

STATE OF NORTH CAROLINA

OFFICE OF THE STATE AUDITOR

BETH A. WOOD, CPA



STATE OF NORTH CAROLINA

SINGLE AUDIT REPORT

FOR THE YEAR ENDED JUNE 30, 2019



NCOSA
The Taxpayers' Watchdog

STATE OF NORTH CAROLINA



SINGLE AUDIT REPORT

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OFFICE OF THE STATE AUDITOR
BETH A. WOOD, CPA
STATE AUDITOR

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North Carolina Office of the State Auditor

Our Mission and Our Commitment

The Office of the State Auditor protects the interests of taxpayers and others who provide financial resources to the State of North Carolina. Specifically, we provide objective information to interested parties about whether economic resources are properly accounted for, reported and managed; as well as whether publically-funded programs are achieving desired results.

The Office of the State Auditor's mission is accomplished by conducting thorough audits and investigations. These audits and investigations are performed by highly competent and professional staff and result in useful and practical recommendations to improve services provided by North Carolina state government.

This office will always strive for the highest standards in professional conduct, independence and integrity as we pursue our mission. If we find financial management deficiencies, we will report them without apology because our ultimate responsibility is to the citizens and taxpayers of North Carolina.

A handwritten signature in black ink that reads "Beth A. Wood". The signature is written in a cursive, flowing style.

Beth A. Wood, CPA
State Auditor



Beth A. Wood, CPA
State Auditor

STATE OF NORTH CAROLINA

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AUDITOR'S TRANSMITTAL

The Honorable Roy Cooper, Governor
Members of the North Carolina General Assembly

We are pleased to submit the *Single Audit Report* for the State of North Carolina for the fiscal year ended June 30, 2019. We conducted our audit in accordance with the auditing standards generally accepted in the United States of America; the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States; and the audit requirements of Title 2 *U.S. Code of Federal Regulations Part 200, Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance).

This *Single Audit Report* reflects federal awards of \$21.5 billion. This report includes significant deficiencies and material weaknesses in internal control relating to major federal programs and instances of noncompliance, including several that we believe constitute material noncompliance, that meet the criteria of the Uniform Guidance.

The North Carolina *Comprehensive Annual Financial Report* for the fiscal year ended June 30, 2019, has been issued in a separate report by the Office of the State Controller. In accordance with *Government Auditing Standards*, we are issuing our report on our consideration of the State of North Carolina's internal control over financial reporting and our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements that have an effect on the financial statements.

The deficiencies in internal control and instances of noncompliance arising from our audit that are required to be reported by *Government Auditing Standards* or the Uniform Guidance are described in the Schedule of Findings and Questioned Costs.

We wish to acknowledge the assistance of the North Carolina Office of the State Controller and the cooperation of other state agencies, community colleges, and universities in the preparation of this report.

Respectfully submitted,

A handwritten signature in cursive script that reads "Beth A. Wood".

Beth A. Wood, CPA

AUDITOR'S SECTION



Beth A. Wood, CPA
State Auditor

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INDEPENDENT AUDITOR'S REPORT ON INTERNAL CONTROL OVER FINANCIAL REPORTING AND ON COMPLIANCE AND OTHER MATTERS BASED ON AN AUDIT OF FINANCIAL STATEMENTS PERFORMED IN ACCORDANCE WITH *GOVERNMENT AUDITING STANDARDS*

The Honorable Roy Cooper, Governor
The General Assembly of North Carolina

We have audited, in accordance with the auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, the financial statements of the governmental activities, the business-type activities, the aggregate discretely presented component units, each major fund, and the aggregate remaining fund information of the State of North Carolina, as of and for the year ended June 30, 2019, and the related notes to the financial statements, which collectively comprise the State's basic financial statements (not presented herein), and have issued our report thereon dated December 5, 2019.

Our report includes a reference to other auditors who audited the financial statements of the North Carolina State Lottery Fund, the North Carolina Turnpike Authority, the North Carolina Housing Finance Agency, the State Education Assistance Authority, the University of North Carolina System – University of North Carolina Health Care System – Rex Healthcare, the Supplemental Retirement Income Plan of North Carolina, the North Carolina Public Employee Deferred Compensation Plan, and the North Carolina Department of State Treasurer Investment Programs, as described in our report on the State's financial statements. This report does not include the results of the other auditors' testing of internal control over financial reporting or compliance and other matters that are reported on separately by those auditors.

Internal Control Over Financial Reporting

In planning and performing our audit of the financial statements, we considered the State of North Carolina's internal control over financial reporting (internal control) to determine the audit procedures that are appropriate in the circumstances for the purpose of expressing our opinions on the basic financial statements, but not for the purpose of expressing an opinion on the effectiveness of the State's internal control. Accordingly, we do not express an opinion on the effectiveness of the State's internal control.

A *deficiency in internal control* exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, misstatements on a timely basis. A *material weakness* is a deficiency, or a combination of deficiencies, in internal control such that there is a reasonable possibility that a material misstatement of the entity's financial statements will not be prevented, or detected and corrected on a timely basis. A *significant deficiency* is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or significant deficiencies. Given these limitations, during our audit we did not identify any deficiencies in internal control that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified.

Compliance and Other Matters

As part of obtaining reasonable assurance about whether the State of North Carolina's financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements, noncompliance with which could have a direct and material effect on the determination of financial statement amounts. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

Purpose of this Report

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the result of that testing, and not to provide an opinion on the effectiveness of the entity's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the State of North Carolina's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.



Beth A. Wood, CPA
State Auditor

Raleigh, North Carolina

December 5, 2019



Beth A. Wood, CPA
State Auditor

STATE OF NORTH CAROLINA

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INDEPENDENT AUDITOR'S REPORT ON COMPLIANCE FOR EACH MAJOR FEDERAL PROGRAM; REPORT ON INTERNAL CONTROL OVER COMPLIANCE; AND REPORT ON SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS REQUIRED BY UNIFORM GUIDANCE

The Honorable Roy Cooper, Governor
The General Assembly of North Carolina

Report on Compliance for Each Major Federal Program

We have audited the State of North Carolina's compliance with the types of compliance requirements described in the *OMB Compliance Supplement* that could have a direct and material effect on each of the State of North Carolina's major federal programs for the year ended June 30, 2019. The State of North Carolina's major federal programs are identified in Section I, Summary of Auditor's Results, in the accompanying Schedule of Findings and Questioned Costs.

The State of North Carolina's financial reporting entity includes the operations of the State Education Assistance Authority, the North Carolina Housing Finance Agency and the Economic Development Partnership of North Carolina, Inc. These agencies reported \$1.27 billion, \$237 million and \$974 thousand, respectively, in federal awards which are not included in the Schedule of Expenditures of Federal Awards during the year ended June 30, 2019. Our audit, described below, did not include the operations of the State Education Assistance Authority, the North Carolina Housing Finance Agency or the Economic Development Partnership of North Carolina, Inc. because these agencies engaged other auditors to perform an audit in accordance with the Uniform Guidance.

Management's Responsibility

Management is responsible for compliance with federal statutes, regulations and the terms and conditions of its federal awards applicable to its federal programs.

Auditor's Responsibility

Our responsibility is to express an opinion on compliance for each of the State of North Carolina's major federal programs based on our audit of the types of compliance requirements referred to above. We conducted our audit of compliance in accordance with auditing standards generally accepted in the United States of America; the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States; and the audit requirements of Title 2 U.S. Code of Federal Regulations Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance). Those standards and the Uniform Guidance require that we plan and perform the audit to obtain reasonable assurance about whether noncompliance with the types of compliance requirements referred to above that could have a direct and material effect on a major

federal program occurred. An audit includes examining, on a test basis, evidence about the State of North Carolina's compliance with those requirements and performing such other procedures as we considered necessary in the circumstances.

We believe that our audit provides a reasonable basis for our qualified and unmodified opinions on compliance for each major federal program. However, our audit does not provide a legal determination of the State of North Carolina's compliance.

Basis for Qualified Opinion on Certain Major Federal Programs

As described in Section III, Federal Award Findings and Questioned Costs, in the accompanying Schedule of Findings and Questioned Costs, the State of North Carolina did not comply with several compliance requirements that are applicable to several of its major federal programs, as follows:

Finding Number	Type of Compliance Requirement	CFDA	Major Federal Program
2019-001	Allowable Costs/Cost Principles; Subrecipient Monitoring	16.575	Crime Victim Assistance
2019-013	Reporting	84.010	Title I Grants to Local Education Agencies
2019-024	Special Tests and Provisions	84.063	Federal Pell Grant Program
2019-029	Special Tests and Provisions	84.063	Federal Pell Grant Program
2019-031	Special Tests and Provisions	84.063	Federal Pell Grant Program
2019-033	Special Tests and Provisions	84.063	Federal Pell Grant Program
2019-035	Special Tests and Provisions	84.063	Federal Pell Grant Program
2019-039	Special Tests and Provisions	84.268	Federal Direct Student Loans
2019-042	Special Tests and Provisions	84.268	Federal Direct Student Loans
2019-044	Special Tests and Provisions	84.268	Federal Direct Student Loans
2019-047	Subrecipient Monitoring	84.287	Twenty-First Century Community Learning Centers
2019-051	Cash Management	84.377	School Improvement Grants
2019-070	Allowable Costs/Cost Principles; Subrecipient Monitoring	97.036	Disaster Grants – Public Assistance (Presidentially Declared Disasters)

Compliance with such requirements is necessary, in our opinion, for the State of North Carolina to comply with the requirements applicable to those programs.

Qualified Opinion on Certain Major Programs

In our opinion, except for the noncompliance described in the Basis for Qualified Opinion paragraph above, the State of North Carolina complied, in all material respects, with the types of compliance requirements referred to above that could have a direct and material effect on those programs listed above for the year ended June 30, 2019.

Unmodified Opinion of Each of the Other Major Federal Programs

In our opinion, the State of North Carolina complied, in all material respects, with the types of compliance requirements referred to above that could have a direct and material effect on each of its other major federal programs identified in Section I, Summary of Auditor's Results, in the accompanying Schedule of Findings and Questioned Costs for the year ended June 30, 2019.

Other Matters

Other Instances of Noncompliance:

The results of our auditing procedures disclosed other instances of noncompliance which are required to be reported in accordance with the Uniform Guidance and which are described in the accompanying Schedule of Findings and Questioned Costs as items:

Finding Number	Type of Compliance Requirement	CFDA	Federal Program
2019-016	Period of Performance	84.027	Special Education - Grants to States
2019-055	Eligibility	93.558	Temporary Assistance for Needy Families
2019-058	Activities Allowed or Unallowed; Allowable Costs/ Cost Principles; Eligibility	93.778	Medical Assistance Program
2019-059	Allowable Costs	93.778	Medical Assistance Program
2019-063	Eligibility	93.778	Medical Assistance Program

Our opinion on each major federal program is not modified with respect to these matters.

The State of North Carolina's responses to the noncompliance findings identified in our audit are described in Section III, Federal Award Findings and Questioned Costs, of the accompanying Schedule of Findings and Questioned Costs. The State of North Carolina's responses were not subjected to the auditing procedures applied in the audit of compliance and, accordingly, we express no opinion on the responses.

Verification of Information for Medicaid Eligibility:

As described in finding 2019-063 in the Schedule of Findings and Questioned Costs, auditors identified \$61,044 of Medicaid funds that were paid on behalf of ineligible beneficiaries. **However, the amount of Medicaid funds paid on behalf of ineligible beneficiaries is likely greater than the \$61,044 that is reported in this finding.**

As defined in the North Carolina Medicaid State Plan (approved by U.S. Department of Health and Human Services, Centers for Medicare and Medicaid Services), **self-attestation by applicants is accepted for certain elements of the Modified Adjusted Gross Income (MAGI) methodology of determining participant eligibility. Further verification or documentation is not required.** Approximately \$4.0 billion, or 35%, of total Medicaid benefit expenditures were for beneficiaries whose eligibility was determined via the MAGI methodology.

Auditors tested participant eligibility using the documentation contained in client files, which includes self-attested data that **could not be verified** by the auditor. Elements for which self-

attestation is accepted, are **critical to determining eligibility**, and **were not verified** by auditors include:

- Age
- Household composition (i.e. number in household)
- Tax filer status
- Certain income types (including various unearned income)

Since auditors were not able to verify this information, it is **likely that there are more beneficiaries in the Medicaid program that received benefits but were not eligible**.

Our opinion is not modified with respect to this matter.

Report on Internal Control Over Compliance

Management of the State of North Carolina is responsible for establishing and maintaining effective internal control over compliance with the types of compliance requirements referred to above. In planning and performing our audit of compliance, we considered the State of North Carolina’s internal control over compliance with the types of requirements that could have a direct and material effect on each major federal program to determine the auditing procedures that are appropriate in the circumstances for the purpose of expressing an opinion on compliance for each major federal program and to test and report on internal control over compliance in accordance with the Uniform Guidance, but not for the purpose of expressing an opinion on the effectiveness of internal control over compliance. Accordingly, we do not express an opinion on the effectiveness of the State of North Carolina’s internal control over compliance.

Our consideration of internal control over compliance was for the limited purpose described in the preceding paragraph and was not designed to identify all deficiencies in internal control over compliance that might be material weaknesses or significant deficiencies and therefore, material weaknesses or significant deficiencies may exist that were not identified. However, as discussed below, we identified certain deficiencies in internal control over compliance that we consider to be material weaknesses and significant deficiencies.

A deficiency in internal control over compliance exists when the design or operation of a control over compliance does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, noncompliance with a type of compliance requirement of a federal program on a timely basis. *A material weakness in internal control over compliance* is a deficiency, or combination of deficiencies, in internal control over compliance, such that there is a reasonable possibility that material noncompliance with a type of compliance requirement of a federal program will not be prevented, or detected and corrected, on a timely basis. We consider the deficiencies in internal control over compliance described in Section III, Federal Award Findings and Questioned Costs, of the accompanying Schedule of Findings and Questioned Costs as the items below to be material weaknesses:

Finding Number	Type of Compliance Requirement	CFDA	Major Federal Program
2019-001	Allowable Costs/Cost Principles; Subrecipient Monitoring	16.575	Crime Victim Assistance

Finding Number	Type of Compliance Requirement	CFDA	Major Federal Program
2019-013	Reporting	84.010	Title I Grants to Local Education Agencies
2019-024	Special Tests and Provisions	84.063	Federal Pell Grant Program
2019-029	Special Tests and Provisions	84.063	Federal Pell Grant Program
2019-031	Special Tests and Provisions	84.063	Federal Pell Grant Program
2019-033	Special Tests and Provisions	84.063	Federal Pell Grant Program
2019-035	Special Tests and Provisions	84.063	Federal Pell Grant Program
2019-039	Special Tests and Provisions	84.268	Federal Direct Student Loans
2019-042	Special Tests and Provisions	84.268	Federal Direct Student Loans
2019-044	Special Tests and Provisions	84.268	Federal Direct Student Loans
2019-047	Subrecipient Monitoring	84.287	Twenty-First Century Community Learning Centers
2019-051	Cash Management	84.377	School Improvement Grants
2019-054	Activities Allowed or Unallowed; Allowable Costs/ Cost Principles	93.556	Promoting Safe and Stable Families
2019-070	Allowable Costs/Cost Principles; Subrecipient Monitoring	97.036	Disaster Grants – Public Assistance (Presidentially Declared Disasters)

A *significant deficiency in internal control over compliance* is a deficiency, or a combination of deficiencies, in internal control over compliance with a type of compliance requirement of a federal program that is less severe than a material weakness in internal control over compliance, yet important enough to merit attention by those charged with governance. We consider the deficiencies in internal control over compliance described in Section III, Federal Award Findings and Questioned Costs, of the accompanying Schedule of Findings and Questioned Costs as the items below to be significant deficiencies:

Finding Number	Type of Compliance Requirement	CFDA	Major Federal Program
2019-002	Special Tests and Provisions	17.225	Unemployment Insurance
2019-003	Special Tests and Provisions	84.007	Federal Supplemental Educational Opportunity Grants
2019-004	Special Tests and Provisions	84.007	Federal Supplemental Educational Opportunity Grants
2019-005	Special Tests and Provisions	84.007	Federal Supplemental Educational Opportunity Grants
2019-006	Special Tests and Provisions	84.007	Federal Supplemental Educational Opportunity Grants
2019-007	Special Tests and Provisions	84.007	Federal Supplemental Educational Opportunity Grants
2019-008	Special Tests and Provisions	84.007	Federal Supplemental Educational Opportunity Grants

Finding Number	Type of Compliance Requirement	CFDA	Major Federal Program
2019-009	Special Tests and Provisions	84.007	Federal Supplemental Educational Opportunity Grants
2019-010	Cash Management	84.007	Federal Supplemental Educational Opportunity Grants
2019-011	Special Tests and Provisions	84.007	Federal Supplemental Educational Opportunity Grants
2019-012	Period of Performance	84.010	Title I Grants to Local Educational Agencies
2019-014	Subrecipient Monitoring	84.010	Title I Grants to Local Educational Agencies
2019-015	Subrecipient Monitoring	84.010	Title I Grants to Local Educational Agencies
2019-017	Special Tests and Provisions	84.033	Federal Work-Study Program
2019-018	Special Tests and Provisions	84.033	Federal Work-Study Program
2019-019	Special Tests and Provisions	84.033	Federal Work-Study Program
2019-020	Special Tests and Provisions	84.033	Federal Work-Study Program
2019-021	Special Tests and Provisions	84.033	Federal Work-Study Program
2019-022	Cash Management	84.033	Federal Work-Study Program
2019-023	Special Tests and Provisions	84.063	Federal Pell Grant Program
2019-025	Special Tests and Provisions	84.063	Federal Pell Grant Program
2019-026	Special Tests and Provisions	84.063	Federal Pell Grant Program
2019-027	Special Tests and Provisions	84.063	Federal Pell Grant Program
2019-028	Special Tests and Provisions	84.063	Federal Pell Grant Program
2019-030	Special Tests and Provisions	84.063	Federal Pell Grant Program
2019-032	Special Tests and Provisions	84.063	Federal Pell Grant Program
2019-034	Cash Management	84.063	Federal Pell Grant Program
2019-036	Special Tests and Provisions	84.063	Federal Pell Grant Program
2019-037	Special Tests and Provisions	84.063	Federal Pell Grant Program
2019-038	Special Tests and Provisions	84.268	Federal Direct Student Loans
2019-040	Special Tests and Provisions	84.268	Federal Direct Student Loans
2019-041	Special Tests and Provisions	84.268	Federal Direct Student Loans
2019-043	Cash Management	84.268	Federal Direct Student Loans
2019-045	Special Tests and Provisions	84.268	Federal Direct Student Loans
2019-046	Special Tests and Provisions	84.268	Federal Direct Student Loans
2019-048	Subrecipient Monitoring	84.287	Twenty-First Century Community Learning Centers
2019-049	Subrecipient Monitoring	84.367	Supporting Effective Instruction State Grants
2019-050	Subrecipient Monitoring	84.367	Supporting Effective Instruction State Grants
2019-052	Subrecipient Monitoring	84.377	School Improvement Grants
2019-053	Cash Management	93.364	Nursing Student Loans

Finding Number	Type of Compliance Requirement	CFDA	Major Federal Program
2019-055	Eligibility	93.558	Temporary Assistance for Needy Families
2019-056	Reporting	93.558	Temporary Assistance for Needy Families
2019-057	Subrecipient Monitoring	93.667	Social Services Block Grant
2019-058	Activities Allowed or Unallowed; Allowable Costs/ Cost Principles; Eligibility	93.778	Medical Assistance Program
2019-059	Allowable Costs/Cost Principles	93.778	Medical Assistance Program
2019-060	Allowable Costs/Cost Principles; Special Tests and Provisions	93.778	Medical Assistance Program
2019-061	Allowable Costs/Cost Principles; Special Tests and Provisions	93.778	Medical Assistance Program
2019-062	Allowable Costs/Cost Principles; Special Tests and Provisions	93.778	Medical Assistance Program
2019-063	Eligibility	93.778	Medical Assistance Program
2019-064	Special Tests and Provisions	93.778	Medical Assistance Program
2019-065	Special Tests and Provisions	93.778	Medical Assistance Program
2019-066	Special Tests and Provisions	93.778	Medical Assistance Program
2019-067	Subrecipient Monitoring	93.788	State Targeted Response to the Opioid Crisis
2019-068	Cash Management	93.925	Scholarships for Health Professions Students from Disadvantaged Backgrounds – Scholarships for Disadvantaged Students
2019-069	Subrecipient Monitoring	93.959	Block Grants for Prevention and Treatment of Substance Abuse

The State of North Carolina's responses to the internal control over compliance findings identified in our audit are described in Section III, Federal Award Findings and Questioned Costs, of the accompanying Schedule of Findings and Questioned Costs. The State of North Carolina's responses were not subjected to the auditing procedures applied in the audit of compliance and, accordingly, we express no opinion on the responses.

The purpose of this report on internal control over compliance is solely to describe the scope of our testing of internal control over compliance and the results of that testing based on the requirements of the Uniform Guidance. Accordingly, this report is not suitable for any other purpose.

Report on Schedule of Expenditures of Federal Awards Required by the Uniform Guidance

We have audited the financial statements of the governmental activities, the business-type activities, the aggregate discretely presented component units, each major fund, and the

aggregate remaining fund information of the State of North Carolina as of and for the year ended June 30, 2019, and the related notes to the financial statements, which collectively comprise the State of North Carolina's basic financial statements (not presented herein). We issued our report thereon dated December 5, 2019, which contained unmodified opinions on those financial statements. Our report includes a reference to other auditors.

As discussed in Note 2 to the financial statements, during the year ended June 30, 2019, the State adopted new accounting guidance, Governmental Accounting Standards Board Statement No. 83, *Certain Asset Retirement Obligations* and Statement No. 88, *Certain Disclosures Related to Debt, including Direct Borrowings and Direct Placements*. Our opinion is not modified with respect to these matters.

We conducted our audit in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. Other auditors audited the financial statements of the North Carolina State Lottery Fund, the North Carolina Turnpike Authority, the North Carolina Housing Finance Agency, the State Education Assistance Authority, the University of North Carolina System – University of North Carolina Health Care System – Rex Healthcare, the Supplemental Retirement Income Plan of North Carolina, the North Carolina Public Employee Deferred Compensation Plan, and the North Carolina Department of State Treasurer Investment Programs, as described in our report on the State's financial statements.

Our audit was conducted for the purpose of forming opinions on the financial statements that collectively comprise the basic financial statements. The accompanying Schedule of Expenditures of Federal Awards is presented for purposes of additional analysis as required by the Uniform Guidance and is not a required part of the basic financial statements. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the basic financial statements. The information has been subjected to the auditing procedures applied in the audit of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the Schedule of Expenditure of Federal Awards is fairly stated in all material respects in relation to the basic financial statements as a whole.



Beth A. Wood, CPA
State Auditor

Raleigh, North Carolina

March 20, 2020 (except as related to the Report on
The Schedule of Expenditures of Federal Awards,
As to which is dated December 5, 2019)

SCHEDULE OF FINDINGS AND QUESTIONED COSTS

For the Fiscal Year Ended June 30, 2019

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• 84.010 Title I Grants to Local Educational Agencies	38
• 84.027 Special Education - Grants to States	47
• 84.033 Federal Work-Study Program	49
• 84.063 Federal Pell Grant Program	54
• 84.268 Federal Direct Student Loans	67
• 84.287 Twenty-First Century Community Learning Centers.....	72
• 84.367 Supporting Effective Instruction State Grants.....	75
• 84.377 School Improvement Grants	76
• 93.364 Nursing Student Loans	79
• 93.556 Promoting Safe and Stable Families	80
• 93.558 Temporary Assistance for Needy Families	81
• 93.667 Social Services Block Grant.....	86
• 93.778 Medical Assistance Program	89
• 93.788 State Targeted Response to the Opioid Crisis	101
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SCHEDULE OF FINDINGS AND QUESTIONED COSTS**I. Summary of Auditor's Results**

For the Fiscal Year Ended June 30, 2019

Financial Statements

- Type of auditor's report issued? Unmodified
- Internal control over financial reporting:
 - Material weaknesses identified? No
 - Significant deficiencies identified that are not considered to be material weaknesses? No
- Noncompliance material to financial statements noted? No

Federal Awards

- Internal control over major programs:
 - Material weaknesses identified? Yes
 - Significant deficiencies identified that are not considered to be material weaknesses? Yes
 - Type of auditor's report issued on compliance for major programs? Unmodified for all Major Programs except Crime Victim Assistance; Title I Grants to Local Education Agencies; Federal Pell Grant Program; Federal Direct Student Loans; Twenty-First Century Community Learning Centers; School Improvement Grants and Disaster Grants – Public Assistance (Presidentially Declared Disasters), which are qualified.
- Any audit findings disclosed that are required to be reported in accordance with section § 200.516(a) of the Uniform Guidance? Yes

- Identification of major programs:

CFDA Number	Name of Federal Program or Cluster
----------------	------------------------------------

DISI	Disability Insurance/SSI Cluster
MEDC	Medicaid Cluster

SCHEDULE OF FINDINGS AND QUESTIONED COSTS**I. Summary of Auditor's Results**

For the Fiscal Year Ended June 30, 2019

SFAC	Student Financial Assistance Programs Cluster
TANF	TANF Cluster
16.575	Crime Victim Assistance
17.225	Unemployment Insurance
20.106	Airport Improvement Program
84.010	Title I Grants to Local Educational Agencies
84.287	Twenty-First Century Community Learning Centers
84.367	Supporting Effective Instruction State Grants
84.377	School Improvement Grants
93.268	Immunization Cooperative Agreements
93.556	Promoting Safe and Stable Families
93.667	Social Services Block Grant
93.788	State Targeted Response to the Opioid Crisis
93.917	HIV Care Formula Grants
93.959	Block Grants for Prevention and Treatment of Substance Abuse
97.036	Disaster Grants – Public Assistance (Presidentially Declared Disasters)

- | | |
|--|--------------|
| – Dollar threshold used to distinguish between type A and type B programs? | \$32,244,668 |
| – Auditee qualified as low-risk auditee? | No |

SCHEDULE OF FINDINGS AND QUESTIONED COSTS

II. Financial Statement Findings

For the Fiscal Year Ended June 30, 2019

Type of Finding	Findings and Recommendations
-----------------	------------------------------

No reportable findings and recommendations resulted from our audit of the basic financial statements of the State of North Carolina.

SCHEDULE OF FINDINGS AND QUESTIONED COSTS

III. Federal Award Findings and Questioned Costs

For the Fiscal Year Ended June 30, 2019

The following findings, recommendations, and questioned costs are the results of the single audit of the State of North Carolina for the fiscal year ended June 30, 2019. Each finding is referenced with a four-digit number representing the fiscal year audited and a sequential number. The findings are presented by federal program and are classified according to federal and state department, type of compliance requirement, category of internal control weakness, and category of noncompliance. Findings included in this section are related to major programs and federal programs not audited as a major program per 2 CFR 200.516(a)(4).

Category of Internal Control Weakness

If the finding represents a weakness in internal control over compliance, one of the following designations will appear:

- **Significant Deficiency** – A significant deficiency in internal control over compliance is a deficiency, or a combination of deficiencies, in internal control over compliance with a type of compliance requirement of a federal program that is less severe than a material weakness in internal control over compliance, yet important enough to merit attention by those charged with governance.
- **Material Weakness** – A material weakness in internal control over compliance is a deficiency, or combination of deficiencies, in internal control over compliance, such that there is a reasonable possibility that material noncompliance with a type of compliance requirement of a federal program will not be prevented, or detected and corrected, on a timely basis.

Category of Noncompliance Findings

If the finding represents an instance of noncompliance, one of the following designations will appear:

- **Material Noncompliance** – A finding related to a major federal program which discusses conditions representing noncompliance with federal laws, regulations, contracts, or grants, the effects of which have a material effect in relation to a type of compliance requirement or an audit objective identified in the Uniform Guidance.
- **Questioned Cost Finding** – A finding which discusses known or likely questioned costs that are greater than \$25,000 for a type of compliance requirement, unless the conditions giving rise to the questioned costs are otherwise reported as a material noncompliance finding.

16.575 CRIME VICTIM ASSISTANCE

III. Federal Award Findings and Questioned Costs

U.S. Department of Justice

N.C. Department of Public Safety

For the Fiscal Year Ended June 30, 2019

	Type of Finding/ Questioned Costs	Findings and Recommendations
2019-001	<u>Allowable Costs/ Cost Principles:</u>	<u>Inadequate Subrecipient Monitoring</u>
	Material Weakness	The Department did not adequately monitor \$53.6 million in federal funds passed to state agencies, non-profits, and other organizations (collectively called subrecipients) for providing assistance to victims of crime. Specifically, the Department did not:
	Material Noncompliance	
	<u>Subrecipient Monitoring:</u>	<ol style="list-style-type: none"> 1. Perform all required site visits. 2. Review participant eligibility during site visits. 3. Adequately review reimbursement requests. 4. Perform required risk assessments. 5. Review subrecipient audit reports.
	Material Weakness	
	Material Noncompliance	
	Questioned Cost Finding	
	\$15,335	First, auditors reviewed all 141 projects that ended during the audit period. Each project was required to have a site visit during the project life. Site visits were not properly performed for 38 (27%) of the projects. Specifically,
	2015-VA-GX-0019 - \$695	<ul style="list-style-type: none"> • For 12 (9%) projects, site visits were performed 2 to 95 days after the project ended.
	2016-VA-GX-0075 - \$6,857	<ul style="list-style-type: none"> • For 26 (18%) projects, site visits were not performed at all.
	2017-VA-GX-0050 - \$6,219	
	2018-V2-GX-0061 - \$1,564	Second, auditors reviewed a sample of 27 of the 128 site visits performed during the audit period and found no evidence that the monitor reviewed participant eligibility in 15 (56%) of the visits.
		Third, auditors reviewed a sample of 83 out of 3,506 reimbursement requests paid to subrecipients and found that 23 (28%) requests were not adequately reviewed. Specifically,
		<ul style="list-style-type: none"> • For 19 (23%) requests, the supporting documentation did not support the amount being requested for reimbursement. Payments totaling \$15,335 are being questioned¹. • For 4 (5%) requests, there was no evidence of approval prior to payment.

¹ Even though the tests identified only \$15,335 in questioned costs, if extended to the entire population, questioned costs could exceed \$25,000. 2 CFR 200.516(a)(3) requires auditors to report known questioned costs when likely questioned costs are greater than \$25,000.

16.575 CRIME VICTIM ASSISTANCE (continued)

III. Federal Award Findings and Questioned Costs

U.S. Department of Justice

N.C. Department of Public Safety

For the Fiscal Year Ended June 30, 2019

Type of Finding/ Questioned Costs	Findings and Recommendations
	<p>Fourth, auditors reviewed the risk assessment procedures for the projects awarded to subrecipients during the audit period. The Department’s monitoring plan requires a risk assessment for all new subrecipients prior to awarding funds and for all projects within the first week of the project assignment to the grant manager. Auditors found deficiencies in 100% of the items tested. Specifically,</p> <ul style="list-style-type: none"> • For all 5 of the new subrecipients, no risk assessment was performed prior to awarding funds. • For a sample of 35 (23%) of the 153 projects awarded during the audit period, no risk assessment was performed within the first week of project assignment to the grant manager. <p>Fifth, auditors reviewed the monitoring process for all eight subrecipients that were required to have an audit in accordance with the Uniform Guidance and found that the Department did not obtain or review the audit reports.</p> <p>As a result, inadequate monitoring increased the risk that federal funds would not be used in accordance with the federal requirements, which could have reduced funding available for the victims of sexual assault, domestic abuse, child abuse, and other crimes. Further, the Department may be required to pay \$15,335 back to the United States Department of Justice.</p> <p>According to Department management, it experienced significant turnover in recent years which reduced the number of staff who had knowledge and experience with the monitoring requirements. Further, management did not have adequate policies and procedures in place to ensure sufficient monitoring was performed.</p> <p>However, federal regulations² required the Department to:</p> <ul style="list-style-type: none"> • Monitor the activities of the subrecipient as necessary to ensure that the subaward is used for authorized purposes, in compliance with Federal statutes, regulations, and the terms and conditions of the subaward; and that subaward performance goals are achieved. • Evaluate each subrecipient’s risk of noncompliance with federal statutes, regulations, and the terms and conditions of the subaward for purposes of determining the appropriate subrecipient monitoring. • Verify that every subrecipient is audited as required.

² 2 CFR 200.331(d) and 2 CFR 200.331(f)

16.575 CRIME VICTIM ASSISTANCE (continued)

III. Federal Award Findings and Questioned Costs

U.S. Department of Justice

N.C. Department of Public Safety

For the Fiscal Year Ended June 30, 2019

Type of Finding/ Questioned Costs	Findings and Recommendations
	<p>Significant aspects of this finding were previously reported in the 2018 Statewide Single Audit as finding number 2018-006.</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Justice; CFDA Number (title) 16.575 (Crime Victim Assistance); Federal Award Numbers (award periods): 2015-VA-GX-0019 (October 1, 2014 – September 30, 2018); 2016-VA-GX-0075 (October 1, 2015 – September 30, 2019); 2017-VA-GX-0050 (October 1, 2016 – September 30, 2020); 2018-V2-GX-0061 (October 1, 2017 – September 30, 2021).</p> <p><i>Recommendation:</i> Department management should ensure responsible staff receive proper training on the monitoring requirements and implement contingency planning to reduce the risk that staff turnover could lead to oversight in monitoring.</p> <p>Additionally, Department management should develop policies and procedures to ensure subrecipients are adequately monitored such as thorough reviews of reimbursement requests, a tracking tool for planning and completing on-site visits, a monitoring plan based on risk assessments, and updating review procedures for on-site visits.</p> <p><i>Agency Response:</i> The Department agrees with the finding and is taking the below corrective actions.</p> <p>The Commission has updated the process for documenting site visits in the Grant Enterprise Management System (GEMS) to improve the agency's ability to track their progress. The Director of Grants Management also monitors site visits through a master spreadsheet to ensure they are completed throughout the year.</p> <p>The Commission updated its site visit tool in April of 2019 to ensure grant monitors review participant eligibility during each visit. All deficiencies identified in OSA's findings occurred prior to implementing the new tool. Grant monitors have reviewed participant eligibility during all site visits conducted since implementation of the updated tool.</p> <p>The Commission has implemented more stringent processes and procedures to ensure the thorough review of reimbursement requests.</p> <p>The Commission failed to follow its monitoring plan requiring a pre-award risk assessment for all new subrecipients and a risk assessment for all projects within the first week of the project assignment to a grant manager. Federal guidelines do not mandate risk assessments within the first week of the project's</p>

16.575 CRIME VICTIM ASSISTANCE (continued)

III. Federal Award Findings and Questioned Costs

U.S. Department of Justice

N.C. Department of Public Safety

For the Fiscal Year Ended June 30, 2019

Type of Finding/ Questioned Costs	Findings and Recommendations
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assignment. Rather, this was a stringent policy established by the Commission but unachievable when staff levels reached critical lows. However, the Commission completed 100% of the required pre-award risk assessments prior to opening grants for FFY beginning October 1, 2019. In addition, the agency has revised its policy to clarify that while federal guidelines do not mandate risk assessments within the first week of the project's assignment, grant managers are encouraged to complete the assessments as soon as practical once the project has been assigned.

Finally, the Department also accepts the audit finding that it failed to obtain or review audit reports from subrecipients. Under the Uniform Guidance, a pass-through agency is required to verify that non-profit subrecipients expending more than \$750,000 in federal funds during their fiscal year undergo a single audit. For the Department, this responsibility resided with a position in the Controller's Office, and staffing shortages in that office led to the deficiency noted in the audit. To ensure this responsibility is met going forward, the Department has transferred the position and the function to the Internal Audit Section, which is where it more commonly resides across state government. Establishing and filling this position is a priority for the Department.

Moreover, the Department fully embraces the audit recommendation to implement contingency planning to reduce the risk of lapses in grant monitoring due to staff turnover. The Department is committed to building a robust internal control structure within the Internal Auditor's Office dedicated to federal grant compliance and oversight. The Department is also committed to enhancing the grant management staff by establishing additional grant management/oversight positions in each entity. The Department is working with its Human Resources section to appropriately classify these positions in order to attract and retain skilled staff for these important roles.

17.225 UNEMPLOYMENT INSURANCE

III. Federal Award Findings and Questioned Costs

U.S. Department of Labor

N.C. Department of Commerce

For the Fiscal Year Ended June 30, 2019

	Type of Finding/ Questioned Costs	Findings and Recommendations
2019-002	<p><u>Special Tests and Provisions:</u></p> <p>Significant Deficiency</p>	<p><u>Benefit Overpayment Identification Procedures Need Improvement</u></p> <p>The North Carolina Department of Commerce (Department) did not perform required cross-matches to identify potential overpayments of Unemployment Insurance (UI) benefits. During the audit period the Department paid approximately \$169 million in UI benefits to 85,000 individuals.</p> <p>The primary cause of overpayments is due to unreported or under-reported earnings by claimants while they claim benefits. The Department implemented the Southeast Consortium for Unemployment Benefits Integration (SCUBI) project as the new UI benefits system during the state fiscal year 2019. Prior to the implementation of SCUBI, the Department's procedures for identifying potential overpayments included the following:</p> <ul style="list-style-type: none"> • Weekly New Hires Cross-match. • Quarterly Earnings/Wage Cross-match. • Tips and Leads. <p>Since the September 2018 implementation of SCUBI, the Department has not been able to perform the weekly new hire or the quarterly earnings/wage cross-matches. Instead, the Department relied solely on tips and leads to identify new potential overpayments. Cross-matches performed in SFY 2018 identified 3,962 potential overpayments compared to 898 identified from the cross-matches done in SFY 2019 before SCUBI was implemented.</p> <p>As a result, claimants could retain and continue to collect benefits they were not entitled to receive. In addition, delays in the identification of potential overpayments reduces the likelihood of future recovery.</p> <p>According to the Department, the cross-matches were not performed because of difficulties obtaining the data needed from SCUBI. Department management prioritized their efforts on the effective implementation of the benefit payments operations of SCUBI and focused on completing investigations of backlogged overpayments cases until the data issues with SCUBI could be resolved.</p> <p>Unemployment Insurance Program Letter (UIPL) No. 19-11 National Effort to Reduce Improper Payments in Unemployment Insurance (UI) Program, issued on June 10, 2011, mandated that all states be required to use the data from the</p>

17.225 UNEMPLOYMENT INSURANCE (continued)

III. Federal Award Findings and Questioned Costs

U.S. Department of Labor

N.C. Department of Commerce

For the Fiscal Year Ended June 30, 2019

Type of Finding/ Questioned Costs	Findings and Recommendations
	<p>National Directory of New Hires³ to conduct cross-matches in the State Benefit Payment Control operations by December 2011. Per the UIPL, cross-matching with the information in the National Directory of New Hires is considered one of the most effective strategies for identifying overpayments.</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Labor; CFDA Number (title): 17.225 (Unemployment Insurance); Federal Award Number (award period): UI-32617-19-55-A-37 (October 1, 2018 – December 31, 2021).</p> <p><i>Recommendation:</i> Department management should coordinate efforts with the vendor and internal Information Technology staff to identify methods and procedures for obtaining the data needed from the SCUBI system to perform the mandatory cross-matches.</p> <p><i>Agency Response:</i> We agree with your audit finding identified in connection with your audit of the major federal programs of the State of North Carolina for the year ended June 30, 2019, in accordance with the Single Audit Act and the audit requirements of <i>Title 2 U.S. Code of Federal Regulations (CFR) Part 200, Uniform Administrative Requirements, Cost Principles and Audit Requirements for Federal Awards</i> (Uniform Guidance).</p> <p>The Department of Commerce agrees with your recommendation, and we implemented the recommended coordination efforts with the vendor and internal IT staff so that the running and working of the cross-matches was completed in August 2019. Work with the vendor is ongoing to meet the business unit's needs.</p>

³ The National Directory of New Hires is a national database of wage and employment information. It contains information on newly hired employees as reported by employers and, quarterly wage information on individual employees and unemployment insurance information on individuals who received or applied for unemployment benefits as reported by the State Workforce Agency.

84.007 FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANTS

III. Federal Award Findings and Questioned Costs

U.S. Department of Education

Appalachian State University

For the Fiscal Year Ended June 30, 2019

	Type of Finding/ Questioned Costs	Findings and Recommendations
2019-003	<p><u>Special Tests and Provisions:</u></p> <p>Significant Deficiency</p>	<p><u>Untimely Return of Title IV Funds</u></p> <p>The University did not timely return Title IV funds (financial aid) after students supported by the program withdrew from the school. During the audit period, the University disbursed approximately \$116.3 million in federal financial assistance to 11,231 students.</p> <p>Auditors tested the return calculations for a sample of 60 out of 280 students that met the requirements and had Title IV calculations performed. Auditors found 29 students (48%) for which unearned funds totaling \$69,922 were returned to the Title IV program between three and 98 days late.</p> <p>As a result, the untimely return of those funds prevented them from being allocated to other students or used to reduce the cost of federal programs.</p> <p>According to University management, the errors occurred because of a lack of timely communication between personnel within the financial aid office responsible for the return to Title IV process during the Fall 2018 term. University management also attributed the errors to inefficiencies in the return to Title IV process that was in place during the Fall 2018 term.</p> <p>Federal regulations⁴ state that if the total amount of assistance earned by the student is less than the amount that was disbursed to the student or on his or her behalf as of the institution's determination that the student withdrew, the difference must be returned to the Title IV program.</p> <p>Additionally, federal regulations⁵ require that returns of Title IV funds be deposited or transferred into the Student Financial Aid account or that electronic fund transfers be initiated to the Department of Education or the appropriate lender as soon as possible, but no later than 45 days after the date the institution determined that the student withdrew.</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Education; CFDA Numbers (titles): 84.007 (Federal Supplemental Educational Opportunity Grants), 84.063 (Federal Pell Grant Program), and 84.268 (Federal Direct Student Loans); Award Period: July 1, 2018 – June 30, 2019.</p> <p><i>Recommendation:</i> University management should design and implement procedures that ensure timely communication between personnel responsible</p>

⁴ 34 CFR 668.22(a)(1) through (a)(5)

⁵ 34 CFR 668.173(b)

84.007 FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANTS (continued)

III. Federal Award Findings and Questioned Costs

U.S. Department of Education

Appalachian State University

For the Fiscal Year Ended June 30, 2019

Type of Finding/ Questioned Costs	Findings and Recommendations
	<p>for the return to Title IV process so that funds are returned on a timely basis in accordance with federal compliance requirements.</p> <p>University management should also ensure that return to Title IV processes are designed and implemented in an efficient manner.</p> <p><i>Agency Response:</i> The Office of Student Financial Aid at Appalachian State University agrees with the finding that was identified. The action plan to address the recommendations include several changes. The Office of Student Financial Aid re-organized our staff and created a compliance team. The compliance team has been given the authority to complete the return to Title IV process from beginning to end. The Office of Student Financial Aid conducted a nation-wide search to find a new Associate Director of Financial Aid Compliance. This staff member is charged with multiple compliance tasks including leading our compliance team. The top priority of this team is to ensure that the Return to Title IV process is conducted timely and efficiently. This position reports directly to the Director of Student Financial Aid to ensure there is no delay if additional assistance is needed with any compliance related task or concern. All compliance team members will be required to complete the NASFAA Return to Title IV course. These actions were conducted to ensure that Appalachian State has in place the necessary institutional controls to ensure the timely completion of the Return to Title IV process and to ensure timely communication between personnel responsible for the return to Title IV process.</p>

84.007 FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANTS

III. Federal Award Findings and Questioned Costs

U.S. Department of Education

Halifax Community College

For the Fiscal Year Ended June 30, 2019

	Type of Finding/ Questioned Costs	Findings and Recommendations
2019-004	<p><u>Special Tests and Provisions:</u></p> <p>Significant Deficiency</p>	<p><u>Untimely Return of Title IV Funds</u></p> <p>The College did not timely return Title IV funds (financial aid) after students supported by the program withdrew from the school. During the audit period, the College disbursed approximately \$1.6 million in financial aid to 459 students.</p> <p>Auditors tested the return calculations for a sample of 25 out of 122 students that met the requirements and had Title IV calculations performed. Auditors found six students (24%) in which unearned funds totaling \$4,309 were returned to the Title IV program between one and 44 days late.</p> <p>As a result, the funds were not available for allocation to other students or for reducing the cost of federal programs.</p> <p>The errors occurred because the College did not have procedures in place during the audit period to ensure instructors reported withdrawals in a timely manner.</p> <p>Federal regulations⁶ state that if the total amount of assistance earned by the student is less than the amount that was disbursed to the student or on his or her behalf as of the institution’s determination that the student withdrew, the difference must be returned to the Title IV program.</p> <p>Additionally, federal regulations⁷ require that returns of Title IV funds be deposited or transferred into the Student Financial Aid account or that electronic fund transfers be initiated to the Department of Education or the appropriate lender as soon as possible, but no later than 45 days after the date the institution determined that the student withdrew.</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Education; CFDA Numbers (titles): 84.007 (Federal Supplemental Educational Opportunity Grants) and 84.063 (Federal Pell Grant Program); Award Period: July 1, 2018 – June 30, 2019.</p> <p><i>Recommendation:</i> College management should design and implement procedures to ensure that instructors report withdrawals in a timely manner so funds are returned on a timely basis in accordance with federal compliance requirements.</p> <p><i>Agency Response:</i> Halifax Community College agrees with the finding and recommendation to implement procedures to ensure faculty report withdrawals</p>

⁶ 34 CFR 668.22(a)(1) through (a)(5)

⁷ 34 CFR 668.173(b)

84.007 FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANTS (continued)

III. Federal Award Findings and Questioned Costs

U.S. Department of Education

Halifax Community College

For the Fiscal Year Ended June 30, 2019

Type of Finding/ Questioned Costs	Findings and Recommendations
2019-005	in a timely manner so funds are returned on a timely basis in accordance with federal compliance requirements.
<u>Special Tests and Provisions:</u> Significant Deficiency	<p><u>Information Security Program Does Not Meet Minimum Federal Requirements</u></p> <p>The College's risk assessment over protecting students' financial aid information did not include all of the elements as required by federal regulations⁸. During the audit period, the College disbursed approximately \$1.6 million in federal financial assistance to 459 students subject to this requirement.</p> <p>As a result, student information was more susceptible to unauthorized disclosure, misuse, alteration, destruction, or other compromise because risks could exist for which safeguards have not been designed and implemented.</p> <p>The error occurred because the College was unaware that federal regulations require a risk assessment that identifies risks to employee training and management over the security, confidentiality, and integrity of students' financial aid information.</p> <p>The Gramm-Leach-Bliley Act requires financial institutions to develop, implement, and maintain an information security program that includes a risk assessment over employee training and management to facilitate the design and implementation of appropriate safeguards to students' financial aid information.</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Education; CFDA Numbers (titles): 84.007 (Federal Supplemental Educational Opportunity Grants), 84.033 (Federal Work-Study Program), and 84.063 (Federal Pell Grant Program); Award Period: July 1, 2018 – June 30, 2019.</p> <p><i>Recommendation:</i> College management should ensure responsible staff receive training on the federal regulations required under the Gramm-Leach-Bliley Act and revise its information security program as necessary.</p> <p><i>Agency Response:</i> Neither the Vice President of Administrative Services nor the Director of Information Technology were aware that legislation related to the Gramm-Leach-Bliley Act was enacted and enforceable as of the fiscal year of July 1, 2018 - June 30, 2019. Neither the Vice President of Administrative Services nor the Director of Information Technology had received any messages regarding that topic from either federal or state sources of information.</p>

⁸ 16 CFR 314.4

84.007 FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANTS (continued)

III. Federal Award Findings and Questioned Costs

U.S. Department of Education

Halifax Community College

For the Fiscal Year Ended June 30, 2019

Type of Finding/ Questioned Costs	Findings and Recommendations
<p>Halifax Community College did not believe that it was negligent in not taking actions related to the Information Security program as it completed all phases of the Enhancing Accountability in Government through Leadership and Education (EAGLE) program during the fiscal year 2018-2019, which is part of the internal control program for community colleges in North Carolina. That included submitting the IT portion of EAGLE in 2018-2019. There are five parts of the Gramm-Leach-Bliley Act that Halifax Community College needed to comply with to meet all standards of the Act. Halifax Community College met the standards of four parts of the Act. The College agrees that it did not meet one part of the Act. That part is standard (b)(l) of employee training and management of identifying reasonably foreseeable internal and external risks to the security, confidentiality, and integrity of customer information that could result in the unauthorized disclosure, misuse, alteration, destruction or other compromise of such information, and assess the sufficiency of any safeguards in place to control these risks.</p>	<p>David Forester, Vice President of Administrative Services, with the Assistance of Caroline Harris, Director of Information Technology, will oversee the development and implementation of revised procedures to ensure the Halifax Community College will be in compliance in all aspects with the Gramm-Leach-Bliley Act. This will include a focus on a greater training of employees regarding the College's Information Technology Program.</p>

84.007 FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANTS

III. Federal Award Findings and Questioned Costs

U.S. Department of Education
 McDowell Technical Community College
 For the Fiscal Year Ended June 30, 2019

	Type of Finding/ Questioned Costs	Findings and Recommendations
2019-006	<p><u>Special Tests and Provisions:</u></p> <p>Significant Deficiency</p>	<p><u>Financial Aid Policies Do Not Meet Federal Requirements</u></p> <p>The College's policies do not contain the minimum elements required by federal regulations. During the audit period, the College disbursed approximately \$1.4 million in federal financial assistance to 374 students.</p> <p>First, the College's verification policy⁹ omitted important elements including:</p> <ul style="list-style-type: none"> • The applicants' responsibilities throughout the verification and consequences for failing to provide documentation within a specified time period. • The procedures for referring to appropriate parties any credible information indicating an applicant may have engaged in fraud or other criminal conduct during the application process. <p>Second, the College's satisfactory academic progress (SAP) policy¹⁰ does not describe how a student's GPA and pace of completion are affected by course incompletes, withdrawals, or repetitions.</p> <p>Third, while the College's SAP policy addressed the following elements, these elements were not published as required by federal regulations¹¹:</p> <ul style="list-style-type: none"> • The basis on which a student may file an appeal. • The information a student must submit regarding why the student failed to make satisfactory academic progress, and what has changed in the student's situation that will allow the student to demonstrate satisfactory academic progress at the next evaluation. • Notification procedures to students of the results of an evaluation that impacts a student's eligibility for Title IV program funds. <p>Additionally, the College's withdrawal policy¹² omitted important elements including:</p>

⁹ The Verification policy establishes criteria to ensure that students receive the correct amount of federal financial assistance by requiring students to provide support related to their Free Application for Federal Student Aid (FAFSA).
¹⁰ The SAP policy establishes criteria to ensure that students continuing to receive assistance have a likelihood of success and that limited funds are used prudently.
¹¹ 34 CFR 668.16(e)
¹² The Withdrawal policy establishes criteria to ensure that financial assistance is properly returned to the Department of Education when a student stops attending class.

84.007 FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANTS (continued)

III. Federal Award Findings and Questioned Costs

U.S. Department of Education
 McDowell Technical Community College
 For the Fiscal Year Ended June 30, 2019

Type of Finding/ Questioned Costs	Findings and Recommendations
	<ul style="list-style-type: none"> • A procedure for assuring returns of Title IV funds are paid in the proper sequence. • A procedure for paying the returns of Title IV funds within due dates. <p>As a result, students could misunderstand the financial aid process and have their aid interrupted or denied.</p> <p>According to the College, the errors occurred because the College did not have a process in place to review and update policies to comply with federal regulations.</p> <p>Federal regulations¹³ require institutions to have written policies for certain elements of the student financial aid process. Specifically,</p> <ul style="list-style-type: none"> • Institutions must establish and use written policies and procedures for verifying information contained in a student aid application. • Institutions must establish, publish, and apply reasonable standards for measuring whether eligible students maintain satisfactory academic progress. • Institutions must make readily available to enrolled and prospective students a summary of the requirements for the return of Title IV grant assistance. <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Education; CFDA Numbers (titles): 84.007 (Federal Supplemental Educational Opportunity Grants), 84.033 (Federal Work-Study Program), and 84.063 (Federal Pell Grant Program); Award Period: July 1, 2018 – June 30, 2019.</p> <p><i>Recommendation:</i> The College should design and implement procedures to ensure that they have reviewed and updated their policies to comply with federal regulations.</p> <p><i>Agency Response:</i> The College agrees with the findings that the College's Financial Aid policies did not meet the federal requirements. The Office of Financial Aid at McDowell Technical Community College has updated the policies pursuant to audit findings and recommendations.</p>

¹³ 34 CFR 668.53; 34 CFR 43(a)(2-4)

84.007 FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANTS (continued)

III. Federal Award Findings and Questioned Costs

U.S. Department of Education
 McDowell Technical Community College
 For the Fiscal Year Ended June 30, 2019

	Type of Finding/ Questioned Costs	Findings and Recommendations
2019-007	<p><u>Special Tests and Provisions:</u></p> <p>Significant Deficiency</p>	<p><u>Information Security Program Does Not Meet Minimum Federal Requirements</u></p> <p>The College's risk assessment over protecting students' financial aid information did not include all of the elements as required by federal regulations¹⁴. During the audit period, the College disbursed approximately \$1.4 million in federal financial assistance to 374 students subject to this requirement.</p> <p>As a result, student information is more susceptible to unauthorized disclosure, misuse, alteration, destruction, or other compromise because risks could exist for which safeguards have not been designed and implemented.</p> <p>The error occurred because the College was unaware that federal regulations require a risk assessment that identifies risks to employee training and management over the security, confidentiality, and integrity of students' financial aid information.</p> <p>The Gramm-Leach-Bliley Act requires financial institutions to develop, implement, and maintain an information security program that includes a risk assessment over employee training and management to facilitate the design and implementation of appropriate safeguards to students' financial aid information.</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Education; CFDA Numbers (titles): 84.007 (Federal Supplemental Educational Opportunity Grants), 84.033 (Federal Work-Study Program), and 84.063 (Federal Pell Grant Program); Award Period: July 1, 2018 – June 30, 2019.</p> <p><i>Recommendation:</i> College management should ensure responsible staff receive training on the federal regulation required under the Gramm-Leach-Bliley Act and revise its information security program as necessary.</p> <p><i>Agency Response:</i> The College agrees with the findings that the College's Information Security Program did not meet the minimum federal requirements. The College will revise and update the Information Security processes to meet federal requirements that are required under the Gramm Leach-Bliley Act. Also, responsible staff will receive training on the federal regulation required under the Gramm-Leach-Bliley Act.</p>

¹⁴ 16 CFR 314.4

84.007 FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANTS

III. Federal Award Findings and Questioned Costs

U.S. Department of Education

Nash Community College

For the Fiscal Year Ended June 30, 2019

	Type of Finding/ Questioned Costs	Findings and Recommendations
2019-008	<p><u>Special Tests and Provisions:</u></p> <p>Significant Deficiency</p>	<p><u>Information Security Program Does Not Meet Minimum Federal Requirements</u></p> <p>The College's risk assessment over protecting students' financial aid information did not include all of the elements as required by federal regulations¹⁵. During the audit period, the College disbursed approximately \$7.2 million in federal financial assistance to 1,462 students subject to this requirement.</p> <p>As a result, student information is more susceptible to unauthorized disclosure, misuse, alteration, destruction, or other compromise because risks could exist for which safeguards have not been designed and implemented.</p> <p>The error occurred because the College was unaware that federal regulations require a risk assessment that identifies risks to employee training and management over the security, confidentiality, and integrity of students' financial aid information.</p> <p>The Gramm-Leach-Bliley Act requires financial institutions to develop, implement, and maintain an information security program that includes a risk assessment over employee training and management to facilitate the design and implementation of appropriate safeguards to students' financial aid information.</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Education; CFDA Numbers (titles): 84.007 (Federal Supplemental Educational Opportunity Grants), 84.033 (Federal Work-Study Program), 84.063 (Federal Pell Grant Program), and 84.268 (Federal Direct Student Loans); Award Period: July 1, 2018 – June 30, 2019.</p> <p><i>Recommendation:</i> College management should ensure responsible staff receive training on the federal regulations required under the Gramm-Leach-Bliley Act and revise its information security program as necessary.</p> <p><i>Agency Response:</i> Nash Community College agrees with the finding that College management should ensure responsible staff receive training on the federal regulations required under the Gramm-Leach- Bliley Act and will revise our information security programs as necessary.</p>

¹⁵ 16 CFR 314.4

84.007 FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANTS

III. Federal Award Findings and Questioned Costs

U.S. Department of Education
 Rockingham Community College
 For the Fiscal Year Ended June 30, 2019

	Type of Finding/ Questioned Costs	Findings and Recommendations
2019-009	<p><u>Special Tests and Provisions:</u></p> <p>Significant Deficiency</p>	<p><u>Information Security Program Does Not Meet Minimum Federal Requirements</u></p> <p>The College's risk assessment over protecting students' financial aid information did not include all of the elements as required by federal regulations¹⁶. During the audit period, the College disbursed approximately \$2.5 million in federal financial assistance to 666 students subject to this requirement.</p> <p>As a result, student information is more susceptible to unauthorized disclosure, misuse, alteration, destruction, or other compromise because risks could exist for which safeguards have not been designed and implemented.</p> <p>The error occurred because the College was unaware that federal regulations require a risk assessment that identifies risks to employee training and management over the security, confidentiality, and integrity of students' financial aid information.</p> <p>The Gramm-Leach-Bliley Act requires financial institutions to develop, implement, and maintain an information security program that includes a risk assessment over employee training and management to facilitate the design and implementation of appropriate safeguards to students' financial aid information.</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Education; CFDA Numbers (titles): 84.007 (Federal Supplemental Educational Opportunity Grants), 84.033 (Federal Work-Study Program), and 84.063 (Federal Pell Grant Program); Award Period: July 1, 2018 – June 30, 2019.</p> <p><i>Recommendation:</i> College management should ensure responsible staff receive training on the federal regulations required under the Gramm-Leach-Bliley Act and revise its information security program as necessary.</p> <p><i>Agency Response:</i> Rockingham Community College is in agreement with the findings of the audit and has implemented a corrective action plan.</p> <p>The college purchased training software and began the implementation of monthly security training campaigns in December, 2019. Employees will be required to complete each learning objective by a set deadline. This process will ensure that staff receive consistent training to identify reasonably foreseeable internal and external risks to the security of customer information as required by the Gramm-Leach-Bliley Act. The college's information security</p>

¹⁶ 16 CFR 314.4

84.007 FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANTS (continued)

III. Federal Award Findings and Questioned Costs

U.S. Department of Education
Rockingham Community College
For the Fiscal Year Ended June 30, 2019

Type of Finding/ Questioned Costs	Findings and Recommendations
	program is reviewed and updated on a regular basis. The program consists of the North Carolina Community College System's security standards, as well as college-specific standards as detailed in the RCC Business Continuity Plan.

84.007 FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANTS

III. Federal Award Findings and Questioned Costs

U.S. Department of Education
 Winston-Salem State University
 For the Fiscal Year Ended June 30, 2019

	Type of Finding/ Questioned Costs	Findings and Recommendations
2019-010	<p>Cash <u>Management:</u> Significant Deficiency</p>	<p><u>Deficiencies in Cash Management</u></p> <p>The University requested and received federal student financial aid funds that exceeded the immediate need of students, and held a balance of these excess funds in violation of federal requirements. During the fiscal year ended June 30, 2019, the University requested approximately \$52.2 million in financial aid subject to the requirements.</p> <p>Auditors tested all 51 drawdowns that occurred during the audit period and found seven (14%) that exceeded the immediate need of students by a total of \$126,887. Additionally, four of these seven drawdowns resulted in excess cash balances totaling \$80,036 that were returned between 17 to 31 days late.</p> <p>As a result, the additional funds on hand at the University prevented them from being allocated to other students or reducing the cost of federal programs.</p> <p>According to University management, there were changes made to student award calculations following the request for funds that were not communicated to personnel responsible for drawing down funds. In addition, there was no further review performed to determine if an excess cash balance existed.</p> <p>Federal regulations¹⁷ require that the University request funds that do not exceed the amount immediately needed for disbursements to students and parents. Any amounts not disbursed by the end of the third business day are considered excess cash¹⁸ and are required to be promptly returned within the next seven calendar days.</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Education; CFDA Numbers (titles): 84.007 (Federal Supplemental Educational Opportunity Grants), 84.033 (Federal Work-Study Program), 84.063 (Federal Pell Grant Program), 84.268 (Federal Direct Student Loans). U.S. Department of Health and Human Services; 93.364 (Nursing Student Loans), and 93.925 (Scholarships for Health Professions Students from Disadvantaged Backgrounds); Award Period: July 1, 2018 – June 30, 2019.</p> <p><i>Recommendation:</i> University management should design and implement monitoring procedures over the drawdown process to ensure requested funds do not exceed immediate need for disbursements and any excess cash is promptly returned in accordance with federal compliance requirements.</p>

¹⁷ 34 CFR 668.162(b)

¹⁸ 34 CFR 668.166(a) and (b)

84.007 FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANTS (continued)

III. Federal Award Findings and Questioned Costs

U.S. Department of Education
 Winston-Salem State University
 For the Fiscal Year Ended June 30, 2019

Type of Finding/ Questioned Costs	Findings and Recommendations
2019-011	<p>Further, these monitoring procedures should ensure that all changes made to student award calculations are communicated prior to drawing down funds.</p> <p><i>Agency Response:</i> Winston-Salem State University agrees with the findings and the recommendations as it relates to Deficiencies in Cash Management and will take corrective action steps to implement the OSA recommendation in order to ensure no future errors.</p> <p>Procedures to ensure requested funds do not exceed immediate need for disbursements and excess cash is returned promptly have been put in place. Departmental leadership will ensure that all changes made to student award calculations are communicated prior to drawing down funds. The corrective action has taken place, but there is continued monitoring to guarantee that the deficiencies which showed up in audit are resolved and all procedures for cash management are being followed by all parties.</p> <p>The Director of Financial Aid and the Associate Director for Compliance and Accounting will be responsible for implementing the corrective action. Corrective action was completed in September 2019 when the procedure agreed upon by all parties for cash management was implemented and we are going to review again in January 2020 to make sure the processes are working as they should.</p>
<p><u>Special Tests and Provisions:</u> Significant Deficiency</p>	<p><u>Errors in Return of Title IV Funds</u></p> <p>The University incorrectly calculated how much money to return to the Title IV program (financial aid) after students supported by the program withdrew from school. Also, some funds were either not returned or were returned late. During the audit period, the University disbursed approximately \$51.9 million in financial aid to 4,401 students.</p> <p>Auditors tested the return calculations for a sample of 15 out of 71 students that met the requirements and had Title IV calculations performed. Auditors found 10 students (67%) for which the return calculations were incorrect.</p> <p>Additionally, auditors tested a sample of 34 out of 170 students that had a “zero” GPA¹⁹ and found six students that met the requirements for a return of Title IV funds. Auditors reviewed documentation for the six students and found:</p>

¹⁹ Represents students who did not pass any classes during the semester and did not withdraw from the University.

84.007 FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANTS (continued)

III. Federal Award Findings and Questioned Costs

U.S. Department of Education
 Winston-Salem State University
 For the Fiscal Year Ended June 30, 2019

Type of Finding/ Questioned Costs	Findings and Recommendations
	<ul style="list-style-type: none"> • For 6 students (100%), the return of funds calculations were incorrect due to under and over calculations. • For 3 students (50%), the University returned funds to the Title IV program late. • For 1 student (17%), the University failed to return the required funds entirely. <p>As a result, the University failed to return \$2,932 to the Title IV program, over returned \$2,556, and returned \$679 between 79 and 81 days late. These funds could have been allocated to other students or used to reduce the cost of federal programs.</p> <p>According to University management, the errors occurred due to insufficiently trained staff resulting from employee turnover. There was also a lack of communication between the registrar and financial aid departments about unofficial withdrawals during the audit period.</p> <p>Federal regulations²⁰ state that if the total amount of assistance earned by the student is less than the amount that was disbursed to the student or on his or her behalf as of the institution’s determination that the student withdrew, the difference must be returned to the Title IV program.</p> <p>Additionally, federal regulations²¹ require that returns of Title IV funds be deposited or transferred into the Student Financial Aid account or that electronic fund transfers be initiated to the Department of Education or the appropriate lender as soon as possible, but no later than 45 days after the date the institution determines that the student withdrew.</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Education; CFDA Numbers (titles): 84.007 (Federal Supplemental Educational Opportunity Grants), 84.063 (Federal Pell Grant Program), and 84.268 (Federal Direct Student Loans); Award Period: July 1, 2018 – June 30, 2019.</p> <p><i>Recommendation:</i> University management should ensure responsible employees receive proper training. University management should also design and implement procedures that ensure timely communication between personnel responsible for the return to Title IV process so that funds are returned on a timely basis in accordance with federal compliance requirements.</p>

²⁰ 34 CFR 668.22(a)(1) through (a)(5)
²¹ 34 CFR 668.173(b)

84.007 FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANTS (continued)

III. Federal Award Findings and Questioned Costs

U.S. Department of Education
Winston-Salem State University
For the Fiscal Year Ended June 30, 2019

Type of Finding/ Questioned Costs	Findings and Recommendations
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Agency Response: Winston-Salem State University agrees with the findings and the recommendations as it relates to errors in Return of Title IV Funds and will take corrective action steps to implement the OSA recommendation in order to ensure no future errors.

84.010 TITLE I GRANTS TO LOCAL EDUCATIONAL AGENCIES

III. Federal Award Findings and Questioned Costs

U.S. Department of Education
 N.C. Department of Public Instruction
 For the Fiscal Year Ended June 30, 2019

	Type of Finding/ Questioned Costs	Findings and Recommendations
2019-012	<p>Period of <u>Performance:</u></p> <p>Significant Deficiency</p>	<p><u>Ineffective Monitoring of Title I Spending</u></p> <p>The Department did not effectively monitor spending of the Title I, Part A²² subawards provided to local education agencies (LEA)²³ and charter schools (collectively called subrecipients). During the audit period, the Department provided \$434 million in subawards to the subrecipients.</p> <p>The Department has the responsibility to monitor subaward spending to ensure compliance with federal carryover limits and approve spending waivers as appropriate²⁴. The subrecipient must spend at least 85% of the award in the first 15 months. If more than 15% of an award remains at the beginning of the carryover period²⁵, the Department must grant a waiver to allow the excess carryover.</p> <p>The 2017 initial award period ended during the audit period. This award began on July 1, 2017, with the initial award period of 15 months ending on September 30, 2018, and the carryover period beginning October 1, 2018 and continuing through September 30, 2019.</p> <p>Auditors examined the Department's monitoring tool for calculating subrecipient carryover amounts as of September 30, 2018. All expenditures that occurred during the 15-month period July 1, 2017 through September 30, 2018 were counted without determining if they were applicable to the award period. Federal award periods overlap creating the potential for expenditures to apply to any of three open awards.</p> <p>As a result of the monitoring tool errors, noncompliance with carryover limitations by two LEAs and one charter school were not addressed until revisions were prompted by the audit. Overall, ineffective monitoring puts LEA and charter school funding at risk of reversion if not spent within the federally required timeframes.</p> <p>According to Department management, the errors in the carryover calculation occurred because the Department's accounting system does not clearly assign the award year to expenditure transactions. This increases the complexity of</p>

²² Title I, Part A provides funding to support the education of children at risk of not meeting academic standards and who reside in areas with high concentrations of low-income families.

²³ Synonymous with a local school district, a Local Education Agency, is a public authority, such as a board of education, with administrative control of public schools within a city or county. The Department allocates funds to the LEAs to carry out the objectives of the program.

²⁴ Section 1127 of the Elementary and Secondary Education Act (20 USC 6339).

²⁵ Carryover is defined as the amount of funds left after the initial 15 months and available for spending in the remainder of the 27-month award.

84.010 TITLE I GRANTS TO LOCAL EDUCATIONAL AGENCIES (continued)

III. Federal Award Findings and Questioned Costs

U.S. Department of Education
 N.C. Department of Public Instruction
 For the Fiscal Year Ended June 30, 2019

Type of Finding/ Questioned Costs	Findings and Recommendations
	<p>applying expenditures to the correct award when there are multiple awards with overlapping award periods. Further, there was a lack of monitoring of the subaward balances during the year.</p> <p>Uniform Guidance²⁶ requires the Department to monitor the activities of the subrecipient as necessary to ensure that the subaward is used for authorized purposes in compliance with Federal statutes, regulations, and the terms and conditions of the subaward; and that subaward performance goals are achieved. Such requirements include award carryover limitations at the subrecipient level.</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Education; CFDA Number (title): 84.010 (Title I Grants to Local Education Agencies); Federal Award Number (award period): S010A170033 (July 1, 2017 – September 30, 2018).</p> <p><i>Recommendation:</i> Department management should assess the feasibility of tracking expenditures by award year within their accounting records. If not feasible, Department management should develop additional tools to track or monitor subaward balances by award year.</p> <p><i>Agency Response:</i> The Department of Public Instruction (DPI) concurs with the Auditor’s finding and recommendation. School Business within DPI has already taken several steps to address this deficiency in Fiscal Year 2020. After receiving guidance from the U.S. Department of Education, School Business developed a new tool for calculating Title I carryover amounts to ensure subrecipient compliance with applicable carryover limitations. In order to compensate for the fact that DPI’s accounting system does not clearly assign subrecipient expenditures to specific award years, the new Title I carryover calculation tool will allow DPI to carefully allocate program expenditures to the oldest award year to ensure an effective attribution of expenditures to a single award year when there are multiple award years open. DPI utilized the new tool to recalculate LEA Title I carryover amounts for DPI’s 2017 Title I award and identified the three additional subrecipients that failed to meet carryover requirements that were not previously identified. School Business sought and received approval from the U.S. Department of Education to issue retroactive waivers to the three subrecipients resulting in no impact. School Business will continue to evaluate its existing Title I carryover monitoring procedures to identify any changes needed to the tool or process.</p>

²⁶ 2 CFR 200.331(d)

84.010 TITLE I GRANTS TO LOCAL EDUCATIONAL AGENCIES (continued)

III. Federal Award Findings and Questioned Costs

U.S. Department of Education
 N.C. Department of Public Instruction
 For the Fiscal Year Ended June 30, 2019

	Type of Finding/ Questioned Costs	Findings and Recommendations
2019-013	<p><u>Reporting:</u></p> <p>Material Weakness</p> <p>Material Noncompliance</p>	<p><u>Errors in Reported State Per Pupil Expenditures</u></p> <p>The Department submitted incomplete and inaccurate data in their 2018 annual National Public Education Financial Survey (Survey) to the National Center for Education Statistics. During the audit period, the Department reported \$15.7 billion in federal, state, and local education expenditures.</p> <p>Auditors obtained the supporting data and recalculated amounts reported for the State Per Pupil Expenditure (SPPE) included in the Survey submitted in March 2019. The Department excluded \$53.2 million in worker’s compensation paid on behalf of local education agencies²⁷ and \$25.2 million in residential school expenditures²⁸ from total expenditures. Further, required exclusions from the total expenditures were overstated by \$15.3 million.</p> <p>Inaccurate reporting of SPPE data could affect federal education funding allocated to the Department. The reported data is used by the U.S. Department of Education to make allocations under several Elementary and Secondary Education Act of 1965 (ESEA) Programs, including Title I, Part A, Grants to Local Education Agencies²⁹.</p> <p>According to Department management, errors in the report occurred for two reasons.</p> <p>First, management’s review process did not detect a keying error made by the preparer.</p> <p>Second, the Department did not recognize the need to reconcile reporting data with accounting records to ensure it was accurate and complete.</p> <p>Federal regulations³⁰ require the Department to submit their average State per pupil expenditure (SPPE) data to the National Center for Education Statistics. Federal instructions³¹ for the report state that “Total Expenditures” on the report should include all expenditures for public education including “Direct Program</p>

²⁷ Synonymous with a local school district, a Local Education Agency, is a public authority, such as a board of education, with administrative control of public schools within a city or county. The Department allocates funds to the LEAs to carry out the objectives of the program.

²⁸ North Carolina has three residential schools for students with hearing and visual impairments.

²⁹ United States Department of Education Cross-Cutting Section of the 2019 OMB Compliance Supplement, “Special Reporting.”

³⁰ The National Public Education Financial Survey is authorized in Section 153(a)(1)(l) of the Education Sciences Reform Act of 2002 (P.L. 107-279), 20 U.S.C. 9543.

³¹ Instructions for the National Public Education Financial Survey can be obtained from <https://surveys.nces.ed.gov/ccdnpefs/Resources.aspx>.

84.010 TITLE I GRANTS TO LOCAL EDUCATIONAL AGENCIES (continued)

III. Federal Award Findings and Questioned Costs

U.S. Department of Education
 N.C. Department of Public Instruction
 For the Fiscal Year Ended June 30, 2019

Type of Finding/ Questioned Costs	Findings and Recommendations
	<p>Support,” defined as expenditures made by state education agencies for, or on behalf of, local education agencies.</p> <p>The instructions also direct states to include finance data for all publicly funded schools, including special service schools, such as schools for the deaf, blind, and mentally disabled.</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Education; CFDA Number (title): 84.010 (Title I Grants to Local Education Agencies); Federal Award Number (award period): S010A170033 (July 1, 2017 – September 30, 2018).</p> <p><i>Recommendation:</i> Department management should strengthen existing report review procedures to ensure keying errors are detected and corrected. Further, management should implement a reconciliation procedure to validate the accuracy and completeness of data used for reporting.</p> <p><i>Agency Response:</i> The Department of Public Instruction (DPI) concurs with the Auditor’s finding and recommendation. School Business within DPI pursued additional guidance from the U.S. Department of Education and U.S. Census Bureau regarding inclusion of worker’s compensation and residential school expenditure data in the National Public Education Financial Survey’s (NPEFS) State Per Pupil Expenditure (SPPE) calculations. Once additional guidance is received, DPI will update the NPEFS’s SPPE calculation process to include the data, if required by the Federal government. Additional controls have already been implemented to enhance the review process for the NPEF’s SPPE calculations and identify any potential keying errors as part of the calculation process. The duplicated amounts were reported within ‘Net Current Expenditures’ as \$13.6654 billion. The correct amount was \$13.6808 billion, a difference of \$15.349 million or 0.112% of the ‘Net Current Expenditures’. Finally, DPI has already discussed the NPEFS’s SPPE calculation process and the estimated impact (for both the error and potential additions to the report) of less than \$30 per pupil with the U.S. Department of Education. DPI has been advised that there will be no adverse implications or penalties to North Carolina’s Federal funding as a result of the reporting discrepancies.</p>

84.010 TITLE I GRANTS TO LOCAL EDUCATIONAL AGENCIES (continued)

III. Federal Award Findings and Questioned Costs

U.S. Department of Education
 N.C. Department of Public Instruction
 For the Fiscal Year Ended June 30, 2019

	Type of Finding/ Questioned Costs	Findings and Recommendations
2019-014	Subrecipient <u>Monitoring:</u> Significant Deficiency	<p><u>Fiscal Monitoring Results Were Not Communicated Timely</u></p> <p>The Department did not timely communicate fiscal monitoring³² results of local school districts and charter schools, collectively referred to as subrecipients. Auditors noted deficiencies in three federal programs: Title I, Part A³³; Title II, Part A³⁴; and School Improvement Grants (SIG). In total the Department awarded approximately \$486 million for these programs to 257 subrecipients during the fiscal year.</p> <p>The Department uses monitoring reports to communicate results of fiscal monitoring to the subrecipients. Auditors reviewed fiscal monitoring documentation for subrecipient site visits performed during the year³⁵ and found the following:</p> <ul style="list-style-type: none"> • For a sample of six out of 40 Title I, Part A site visits, five (83%) monitoring reports were issued between 15 to 137 days after the due date. • For a sample of six out of 37 Title II, Part A site visits, four (67%) monitoring reports were issued between 15 to 45 days after the due date. • For all three SIG site visits, two reports were issued 51 and 137 days after the due date, and the third report was never issued. <p>All of the monitoring reports, which were due for issuance 60 days after the site visit, had identified deficiencies. Examples of subrecipient deficiencies noted in the reports included:</p> <ul style="list-style-type: none"> • Missing support for time and effort records. • Written policies and procedures that did not include all components required by federal Uniform Guidance³⁶.

³² Fiscal monitoring includes reviewing subrecipients' expenditures to ensure federal funds are used for allowable costs in accordance with approved budgets and program guidelines. In addition, fiscal monitors evaluate subrecipients' compliance with equipment, procurement, and cash management requirements.

³³ Title I, Part A is also referred to as "Grants to Local Educational Agencies."

³⁴ Title II, Part A is also referred to as "Supporting Effective Instruction State Grants."

³⁵ The Department consolidates monitoring efforts to cover multiple programs in a single subrecipient visit. Auditors executed samples separately by program. Aggregation of results would not result in an accurate projection due to overlap of subrecipients in the populations.

³⁶ Per 2 CFR 200, Uniform Guidance, written procedures are required for specific compliance objectives including allowability of costs, cash management, and procurement.

84.010 TITLE I GRANTS TO LOCAL EDUCATIONAL AGENCIES (continued)

III. Federal Award Findings and Questioned Costs

U.S. Department of Education
 N.C. Department of Public Instruction
 For the Fiscal Year Ended June 30, 2019

Type of Finding/ Questioned Costs	Findings and Recommendations
	<ul style="list-style-type: none"> • Noncompliance with federal cash management requirements. <p>As a result, corrective actions by subrecipients may have been delayed, allowing noncompliance with federal program regulations, and possible misuse of funds, to continue.</p> <p>According to the Department, monitoring reports were not issued in accordance with established policy for two reasons.</p> <p>First, management did not timely identify key monitoring personnel duties that had fallen behind. Duties included overall tracking of the monitoring progress.</p> <p>Second, the monitoring plan in place for the year did not adequately use monitoring resources or tailor monitoring activities to efficiently respond to risk assessed for each subrecipient.</p> <p>In accordance with Uniform Guidance³⁷, the Department is required to ensure subrecipients take timely and appropriate action on all deficiencies pertaining to the federal award provided to the subrecipient as detected through audits, on-site reviews, and others means. The Uniform Guidance³⁸ also states that subrecipient risk of noncompliance should be evaluated for the purpose of determining appropriate monitoring.</p> <p>Departmental written policy establishes internal control over fiscal monitoring activities to align with federal subrecipient monitoring requirements including:</p> <ul style="list-style-type: none"> • Communication of fiscal monitoring results in a written report to subrecipients within 60 days of the final site visit day. • Maintenance of the fiscal monitoring log to track progress of each subrecipient's monitoring visit, report, required response, and closure. • Development of a fiscal monitoring risk assessment. <p><i>Federal Award Information:</i></p> <p>Federal Awarding Agency: U.S. Department of Education; CFDA Number (title): 84.010 (Title I Grants to Local Education Agencies); Federal Award Number (award period): S010A180033 (July 1, 2018 - September 30, 2019).</p>

³⁷ 2 CFR 200.331(d)(2)
³⁸ 2 CFR 200.331(b)

84.010 TITLE I GRANTS TO LOCAL EDUCATIONAL AGENCIES (continued)

III. Federal Award Findings and Questioned Costs

U.S. Department of Education
 N.C. Department of Public Instruction
 For the Fiscal Year Ended June 30, 2019

Type of Finding/ Questioned Costs	Findings and Recommendations
<p>Federal Awarding Agency: U.S. Department of Education; CFDA Number (title): 84.367 (Title II, Supporting Effective Instruction); Federal Award Number (award period): S367A180032 (July 1, 218 - September 30, 2019).</p>	
<p>Federal Awarding Agency: U.S. Department of Education; CFDA Number (title): 84.377 (School Improvement Grants); Federal Award Number (award period): S377A160034 (July 1, 2016 – September 30, 2021, as extended).</p>	
	<p><i>Recommendation:</i> The Department should implement management oversight procedures to operate throughout the year. The Department should also revise risk assessment procedures to clarify planning of the response to identified risks and prioritization of monitoring resources.</p>
	<p><i>Agency Response:</i> The Department of Public Instruction (DPI) concurs with the Auditor’s finding and recommendation. School Business within DPI has taken several steps to address this deficiency in Fiscal Year 2020. The Assistant Director of for School Business now has direct responsibility for ensuring the monitoring reports are issued timely, which will enable proper managerial oversight of the monitoring report process.</p>
	<p>In addition, School Business developed a revised risk assessment to identify districts for monitoring during Fiscal Year 2020 and better prioritize monitoring resources. Finally, School Business will evaluate its existing monitoring procedures identifying changes needed to reporting timelines or templates to provide timely and actionable feedback for districts who have been subject to monitoring.</p>
<p>2019-015 Subrecipient Monitoring: Significant Deficiency</p>	<p><u>Inadequate Award Communication</u></p> <p>The Department did not timely notify subrecipients³⁹ of federal award information for three audited federal programs including Title I, Part A⁴⁰; Title II, Part A⁴¹; and 21st Century Community Learning Centers (CCLC). In total, subrecipients of these programs received approximately \$500 million during the fiscal year.</p>

³⁹ Subrecipients include local public school districts, charter schools, and nonprofits that receive federal program funds from the Department of Public Instruction.

⁴⁰ Title I, Part A is also referred to as “Title I Grants to Local Educational Agencies.”

⁴¹ Title II, Part A is also referred to as “Supporting Effective Instruction State Grants.”

84.010 TITLE I GRANTS TO LOCAL EDUCATIONAL AGENCIES (continued)

III. Federal Award Findings and Questioned Costs

U.S. Department of Education
 N.C. Department of Public Instruction
 For the Fiscal Year Ended June 30, 2019

Type of Finding/ Questioned Costs	Findings and Recommendations
	<p>Per federal guidance, award information includes, but is not limited to, award start and end dates, total amount of the award, and all requirements imposed on the subrecipient.</p> <p>Specifically, auditors found the following:</p> <ul style="list-style-type: none"> • In a sample of 33 out of 216 Title I, Part A subrecipients, 21 (64%) were sent the award information one to seven months after they began spending the funds. • In a sample of 28 out of 185 Title II, Part A subrecipients, 14 (50%) were sent the award information one to two months after they began spending the funds. • In a sample of 31 of 94 21st CCLC subrecipients, 2 (6%) had no evidence of any award information being communicated. <p>As a result, there is an increased risk that federal funds were not used in accordance with federal requirements.</p> <p>According to Department management, there was turnover in the administrative personnel that were responsible for sending the correspondence, but management did not timely reassign their duties.</p> <p>Federal regulations⁴² require the Department to clearly identify every subaward to the subrecipient and include specific federal award information at the time of the award.</p> <p><i>Federal Award Information:</i></p> <p>Federal Awarding Agency: U.S. Department of Education; CFDA Number (title): 84.010 (Title I Grants to Local Education Agencies); Federal Award Number (award period): S010A180033 (July 1, 2018 - September 30, 2019).</p> <p>Federal Awarding Agency: U.S. Department of Education; CFDA Number (title): 84.367 (Title II, Supporting Effective Instruction); Federal Award Number (award period): S367A180032 (July 1, 2018 - September 30, 2019).</p> <p>Federal Awarding Agency: U.S. Department of Education; CFDA Number (title): 84.287 (Twenty-First Century Community Learning Centers); Federal Award Number (award period): S287C180033 (July 1, 2018 - September 30, 2019).</p>

⁴² 2 CFR section 200.331(a)

84.010 TITLE I GRANTS TO LOCAL EDUCATIONAL AGENCIES (continued)

III. Federal Award Findings and Questioned Costs

U.S. Department of Education

N.C. Department of Public Instruction

For the Fiscal Year Ended June 30, 2019

Type of Finding/ Questioned Costs	Findings and Recommendations
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Recommendation: Department management should implement contingency planning, including timely reassignment of responsibilities, to reduce the risk that staff turnover could lead to delayed communication to subrecipients.

Agency Response: The Department of Public Instruction concurs with the Auditor's finding and recommendation. The Federal Programs Monitoring and Support (FPMS) Division utilizes the approval within the application system (Continuous Comprehensive Improvement Program – CCIP) as the authoritative approval for fund expenditures. A formal award letter was issued at a later date but did not hold or provide the authority to expend funds. The FPMS division will update and revise its protocol to ensure that all required information is provided to the subrecipients prior to expending funds.

84.027 SPECIAL EDUCATION - GRANTS TO STATES

III. Federal Award Findings and Questioned Costs

U.S. Department of Education
 N.C. Department of Public Instruction
 For the Fiscal Year Ended June 30, 2019

	Type of Finding/ Questioned Costs	Findings and Recommendations
2019-016	<p>Period of <u>Performance:</u></p> <p>Questioned Cost Finding</p> <p>\$18,299,643</p>	<p><u>Unallowable Award Liquidation</u></p> <p>The Department improperly charged \$18.3 million of expenditures to a Special Education – Grants to States award that was no longer available for obligations⁴³. For the fiscal year, the Department spent \$347.9 million to provide for the education of children with disabilities.</p> <p>The 2016 award obligation period ended during our audit year. This award began on July 1, 2016, and ended on September 30, 2018. The Department had 90 days to liquidate obligations made during the award period.</p> <p>Auditors found the Department had reclassified \$18.3 million in Local Education Agency (LEA)⁴⁴ and charter school expenditures charged to subsequent period awards to the expired 2016 award without evidence that the expenditures were obligated.</p> <p>As a result, the Department may be required to pay \$18.3 million back to the United States Department of Education. Further, improper adjustments of expenses can skew data used to monitor and budget for program activities, putting funding that could be used for additional program activities at risk for reversion to the federal government.</p> <p>According to Department management, there have been multiple changes in financial, budget, and program personnel over the course of recent years. This has limited the number of staff who have knowledge and experience with the period of performance requirements. This has also delayed the monitoring of grant spending.</p> <p>Federal regulations⁴⁵ require the Department to charge the federal award for allowable costs incurred during the period of performance (award period). The U.S. Department of Education specifies this period as the 27 months extending from July 1 of the fiscal year for which the funds were appropriated through September 30 of the second following year.</p>

⁴³ When used in connection with the Department’s utilization of funds under a Federal award, ‘obligations’ means orders placed for property and services, contracts and subawards made, and similar transactions during a given period that require payment by the non-federal entity during the same or a future period.

⁴⁴ Synonymous with a local school district, a Local Education Agency, is a public authority, such as a board of education, with administrative control of public schools within a city or county. The Department allocates funds to the LEAs to carry out the objectives of the program.

⁴⁵ 2 CFR 200.309

84.027 SPECIAL EDUCATION - GRANTS TO STATES (continued)

III. Federal Award Findings and Questioned Costs

U.S. Department of Education
 N.C. Department of Public Instruction
 For the Fiscal Year Ended June 30, 2019

Type of Finding/ Questioned Costs	Findings and Recommendations
<p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Education; CFDA Number (title): 84.027 (Special Education – Grants to States); Federal Award Number (award period): H027A160092 (July 1, 2016 – September 30, 2017).</p>	<p><i>Recommendation:</i> Department management should:</p> <ul style="list-style-type: none"> • Ensure responsible staff receive proper training on the period of performance requirements. • Implement contingency planning in periods of vacancies to ensure that monitoring of grant spending is performed.
<p><i>Agency Response:</i> The Department of Public Instruction (DPI) concurs with the Auditor’s finding and recommendation. After notification of the issue by the auditors, DPI management investigated further and learned that accounting adjustments had been utilized to carry the expiring funds forward into subsequent years’ grants, with the entire amount now maintained as unallotted funding within DPI’s IDEA FY 2018 grant award balance. DPI is currently working with the U.S. Department of Education to determine how to address the unexpended funds. The management staff members that were involved in the oversight of this transaction are no longer employed with the Department.</p>	

84.033 FEDERAL WORK-STUDY PROGRAM

III. Federal Award Findings and Questioned Costs

U.S. Department of Education

Halifax Community College

For the Fiscal Year Ended June 30, 2019

	Type of Finding/ Questioned Costs	Findings and Recommendations
2019-017	<u>Special Tests and Provisions:</u> Significant Deficiency	<u>Information Security Program Does Not Meet Minimum Federal Requirements</u> The College's risk assessment over protecting students' financial aid information did not include all of the elements as required by federal regulations. During the audit period, the College disbursed approximately \$1.6 million in federal financial assistance to 459 students subject to this requirement. See finding 2019-005 for a description.

84.033 FEDERAL WORK-STUDY PROGRAM**III. Federal Award Findings and Questioned Costs**

U.S. Department of Education

McDowell Technical Community College

For the Fiscal Year Ended June 30, 2019

	Type of Finding/ Questioned Costs	Findings and Recommendations
2019-018	<u>Special Tests and Provisions:</u> Significant Deficiency	<u>Financial Aid Policies Do Not Meet Federal Requirements</u> The College's policies do not contain the minimum elements required by federal regulations. During the audit period, the College disbursed approximately \$1.4 million in federal financial assistance to 374 students. See finding 2019-006 for a description.
2019-019	<u>Special Tests and Provisions:</u> Significant Deficiency	<u>Information Security Program Does Not Meet Minimum Federal Requirements</u> The College's risk assessment over protecting students' financial aid information did not include all of the elements as required by federal regulations. During the audit period, the College disbursed approximately \$1.4 million in federal financial assistance to 374 students subject to this requirement. See finding 2019-007 for a description.

84.033 FEDERAL WORK-STUDY PROGRAM

III. Federal Award Findings and Questioned Costs

U.S. Department of Education

Nash Community College

For the Fiscal Year Ended June 30, 2019

	Type of Finding/ Questioned Costs	Findings and Recommendations
2019-020	<u>Special Tests and Provisions:</u> Significant Deficiency	<u>Information Security Program Does Not Meet Minimum Federal Requirements</u> The College's risk assessment over protecting students' financial aid information did not include all of the elements as required by federal regulations. During the audit period, the College disbursed approximately \$7.2 million in federal financial assistance to 1,462 students subject to this requirement. See finding 2019-008 for a description.

84.033 FEDERAL WORK-STUDY PROGRAM

III. Federal Award Findings and Questioned Costs

U.S. Department of Education
 Rockingham Community College

For the Fiscal Year Ended June 30, 2019

	Type of Finding/ Questioned Costs	Findings and Recommendations
2019-021	<u>Special Tests and Provisions:</u> Significant Deficiency	<u>Information Security Program Does Not Meet Minimum Federal Requirements</u> The College's risk assessment over protecting students' financial aid information did not include all of the elements as required by federal regulations. During the audit period, the College disbursed approximately \$2.5 million in federal financial assistance to 666 students subject to this requirement. See finding 2019-009 for a description.

84.033 FEDERAL WORK-STUDY PROGRAM

III. Federal Award Findings and Questioned Costs

U.S. Department of Education
 Winston-Salem State University
 For the Fiscal Year Ended June 30, 2019

	Type of Finding/ Questioned Costs	Findings and Recommendations
2019-022	Cash <u>Management:</u> Significant Deficiency	<p><u>Deficiencies in Cash Management</u></p> <p>The University requested and received federal student financial aid funds that exceeded the immediate need of students, and held a balance of these excess funds in violation of federal requirements. During the fiscal year ended June 30, 2019, the University requested approximately \$52.2 million in financial aid subject to the requirements. See finding 2019-010 for a description.</p>

84.063 FEDERAL PELL GRANT PROGRAM

III. Federal Award Findings and Questioned Costs

U.S. Department of Education

Appalachian State University

For the Fiscal Year Ended June 30, 2019

	Type of Finding/ Questioned Costs	Findings and Recommendations
2019-023	<u>Special Tests and Provisions:</u> Significant Deficiency	<u>Untimely Return of Title IV Funds</u> The University did not timely return Title IV funds (financial aid) after students supported by the program withdrew from the school. During the audit period, the University disbursed approximately \$116.3 million in federal financial assistance to 11,231 students. See finding 2019-003 for a description.

84.063 FEDERAL PELL GRANT PROGRAM

III. Federal Award Findings and Questioned Costs

U.S. Department of Education

Halifax Community College

For the Fiscal Year Ended June 30, 2019

	Type of Finding/ Questioned Costs	Findings and Recommendations
2019-024	<p><u>Special Tests and Provisions:</u></p> <p>Material Weakness</p> <p>Material Noncompliance</p>	<p><u>Enrollment Status Reporting Errors</u></p> <p>The College did not timely or accurately report enrollment status changes to the National Student Loan Data System (NSLDS) for students who received federal financial assistance. During the audit period, the College disbursed approximately \$1.6 million in federal financial assistance funding to 459 students subject to this reporting requirement.</p> <p>Auditors tested the enrollment status reporting for a sample of 60 students who received federal financial assistance and whose enrollment status changed.</p> <p>Five (8%) students were not reported in accordance with federal compliance requirements. Specifically:</p> <ul style="list-style-type: none"> • One (2%) student was not reported at all. • Two (3%) students were reported with incorrect statuses. • Two (3%) students were reported 80 to 101 days after the status change occurred. <p>Failure to report student enrollment status changes to the NSLDS could impact student Pell eligibility.</p> <p>According to the College, the College relied on the National Student Clearinghouse (Clearinghouse), a third-party service provider, to ensure accurate and timely reporting of enrollment status changes. The College did not monitor the information reported to NSLDS to ensure its agreement with College records.</p> <p>Federal regulations⁴⁶ require the College to notify NSLDS within 75 days⁴⁷ of a change in student status for those students that received Pell Grant funds. In addition, the NSLDS Enrollment Reporting Guide states that the College is ultimately responsible for timely and accurate reporting.</p>

⁴⁶ 34 CFR 690.83 and 34 CFR 685.309

⁴⁷ The College is required to notify the NSLDS when it discovers that a student who received loans or Pell grants is no longer enrolled at least half-time. Unless the College expects to complete its enrollment roster with the NSLDS within 60 days of the student's change in enrollment, the College must notify the lender or guarantee agency, via NSLDS within 30 days. The College has 15 days to turn around the roster file. Therefore, we have determined timeliness to be established as within 75 days.

84.063 FEDERAL PELL GRANT PROGRAM (continued)

III. Federal Award Findings and Questioned Costs

U.S. Department of Education

Halifax Community College

For the Fiscal Year Ended June 30, 2018

Type of Finding/ Questioned Costs	Findings and Recommendations
<p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Education; CFDA Number (title): 84.063 (Federal Pell Grant Program); Award Period: July 1, 2018 – June 30, 2019.</p> <p><i>Recommendation:</i> College management should monitor the student enrollment data reported to the NSLDS for accuracy and timeliness.</p> <p><i>Agency Response:</i> Halifax Community College agrees with the finding and recommendation that the College needs to monitor the student enrollment data reported to NSLDS for accuracy and timeliness. Based on the finding, the College is strengthening its current procedure to provide a timely review and reconciliation of the enrollment status changes reported. The College will ensure changes from the previously submitted report are active in the National Student Loan Database System prior to submitting a new report. It is imperative to ensure reporting between the two outside agencies is complete prior to submitting a new status report.</p>	
<p>2019-025 <u>Special Tests and Provisions:</u> Significant Deficiency</p>	<p><u>Untimely Return of Title IV Funds</u></p> <p>The College did not timely return Title IV funds (financial aid) after students supported by the program withdrew from the school. During the audit period, the College disbursed approximately \$1.6 million in financial aid to 459 students. See finding 2019-004 for a description.</p>
<p>2019-026 <u>Special Tests and Provisions:</u> Significant Deficiency</p>	<p><u>Information Security Program Does Not Meet Minimum Federal Requirements</u></p> <p>The College’s risk assessment over protecting students’ financial aid information did not include all of the elements as required by federal regulations. During the audit period, the College disbursed approximately \$1.6 million in federal financial assistance to 459 students subject to this requirement. See finding 2019-005 for a description.</p>

84.063 FEDERAL PELL GRANT PROGRAM**III. Federal Award Findings and Questioned Costs**

U.S. Department of Education

McDowell Technical Community College

For the Fiscal Year Ended June 30, 2019

	Type of Finding/ Questioned Costs	Findings and Recommendations
2019-027	<u>Special Tests and Provisions:</u> Significant Deficiency	<u>Financial Aid Policies Do Not Meet Federal Requirements</u> The College's policies do not contain the minimum elements required by federal regulations. During the audit period, the College disbursed approximately \$1.4 million in federal financial assistance to 374 students. See finding 2019-006 for a description.
2019-028	<u>Special Tests and Provisions:</u> Significant Deficiency	<u>Information Security Program Does Not Meet Minimum Federal Requirements</u> The College's risk assessment over protecting students' financial aid information did not include all of the elements as required by federal regulations. During the audit period, the College disbursed approximately \$1.4 million in federal financial assistance to 374 students subject to this requirement. See finding 2019-007 for a description.

84.063 FEDERAL PELL GRANT PROGRAM

III. Federal Award Findings and Questioned Costs

U.S. Department of Education

Nash Community College

For the Fiscal Year Ended June 30, 2019

	Type of Finding/ Questioned Costs	Findings and Recommendations
2019-029	<p><u>Special Tests and Provisions:</u></p> <p>Material Weakness</p> <p>Material Noncompliance</p>	<p><u>Enrollment Status Reporting Errors</u></p> <p>The College did not timely report enrollment status changes to the National Student Loan Data System (NSLDS) for students who received federal financial assistance. During the audit period, the College disbursed approximately \$7.2 million in federal financial assistance funding to 1,462 students subject to this reporting requirement.</p> <p>Auditors tested the enrollment status reporting for a sample of 60 students who received federal financial assistance and whose enrollment status changed.</p> <p>Five (8%) students were not reported in accordance with federal compliance requirements. Specifically:</p> <ul style="list-style-type: none"> • Three students were not reported at all. • One student was reported 92 days after the status change occurred. • One student was reported with an incorrect status. <p>Failure to report student enrollment status changes to the NSLDS could impact student Pell and Direct Loan eligibility.</p> <p>According to College management, it relied on the National Student Clearinghouse (Clearinghouse), a third-party service provider, to ensure accurate and timely reporting of enrollment status changes. The College did not monitor the information reported to NSLDS to ensure its agreement with College records.</p> <p>Federal regulations⁴⁸ require the College to notify NSLDS within 75⁴⁹ days of a change in student status for those students that received Pell Grant and Federal Direct Loan funds. In addition, the NSLDS Enrollment Reporting Guide states that the College is ultimately responsible for timely and accurate reporting.</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Education; CFDA Numbers (titles): 84.063 (Federal Pell Grant Program) and</p>

⁴⁸ 34CFR 690.83 and 34CFR 685.309

⁴⁹ The College is required to notify the NSLDS when it discovers that a student who received loans or Pell grants has had a reduction or increase in attendance levels, graduated, withdrew/dropped out, dropped below half-time, or enrolled but never attended. Unless the College expects to complete its enrollment roster with the NSLDS within 60 days of the student's change in enrollment, the College must notify the lender or guarantee agency, via NSLDS within 30 days. The College has 15 days to turn around the roster file. Therefore, we have determined timeliness to be established as within 75 days.

84.063 FEDERAL PELL GRANT PROGRAM (continued)

III. Federal Award Findings and Questioned Costs

U.S. Department of Education

Nash Community College

For the Fiscal Year Ended June 30, 2019

Type of Finding/ Questioned Costs	Findings and Recommendations
84.268 (Federal Direct Student Loans); Award Period: July 1, 2018 – June 30, 2019.	<p><i>Recommendation:</i> College management should monitor submissions of student enrollment status changes submitted by the Clearinghouse to ensure they are reported timely and accurately to the NSLDS. College management should also implement monitoring procedures to ensure all students with status changes are identified and communicated to the appropriate parties.</p> <p><i>Agency Response:</i> Nash Community College agrees with the finding that the College did not timely report enrollment status changes to the National Student Loan Data System. Based on this finding, the College is strengthening its current procedure to monitor enrollment status changes.</p> <p>The College acknowledges the importance of accurate enrollment reporting to the National Student Loan Data System. The errors in reporting occurred when students were approved for graduation after the end of the semester and after the initial graduate file had been sent. The Records Office will manually update students that are approved for graduation after the initial graduate file has been sent to the National Student Clearinghouse.</p>
2019-030 <u>Special Tests and Provisions:</u> Significant Deficiency	<p><u>Information Security Program Does Not Meet Minimum Federal Requirements</u></p> <p>The College's risk assessment over protecting students' financial aid information did not include all of the elements as required by federal regulations. During the audit period, the College disbursed approximately \$7.2 million in federal financial assistance to 1,462 students subject to this requirement. See finding 2019-008 for a description.</p>

84.063 FEDERAL PELL GRANT PROGRAM

III. Federal Award Findings and Questioned Costs

U.S. Department of Education
 Rockingham Community College
 For the Fiscal Year Ended June 30, 2019

	Type of Finding/ Questioned Costs	Findings and Recommendations
2019-031	<p><u>Special Tests and Provisions:</u></p> <p>Material Weakness</p> <p>Material Noncompliance</p>	<p><u>Enrollment Status Reporting Errors</u></p> <p>The College did not accurately report enrollment status changes to the National Student Loan Data System (NSLDS) for students who received federal financial assistance. During the audit period, the College disbursed approximately \$2.4 million in federal financial assistance to 664 students subject to this requirement.</p> <p>Auditors tested the enrollment status reporting for a sample of 120 students who received federal financial assistance and whose enrollment status changed. Ten (8%) students were reported with an incorrect status change.</p> <p>Failure to report student enrollment status changes to the NSLDS could impact student Pell eligibility.</p> <p>According to College management, the College relied upon the National Student Clearinghouse (Clearinghouse), a third-party service provider, to ensure accurate and timely reporting of enrollment status changes. The College did not monitor the information reported to NSLDS to ensure its agreement with College records.</p> <p>Federal regulations⁵⁰ require the College to notify NSLDS within 75 days⁵¹ of a change in student status for those students that received Pell Grant funds. In addition, the NSLDS Enrollment Reporting Guide states that the College is ultimately responsible for timely and accurate reporting.</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Education; CFDA Number (title): 84.063 (Federal Pell Grant Program); Award Period: July 1, 2018 – June 30, 2019.</p> <p><i>Recommendation:</i> College management should monitor submissions of student enrollment status changes submitted by the Clearinghouse to ensure they are reported accurately to the NSLDS.</p> <p><i>Agency Response:</i> Rockingham Community College agrees with the finding and recommendation that the college management needs to monitor the</p>

⁵⁰ 34 CFR 690.83 and 34 CFR 685.309

⁵¹ The College is required to notify the NSLDS when it discovers that a student who received loans or Pell grants has had a reduction or increase in attendance levels, graduated, withdrew/dropped out, dropped below half-time, or enrolled but never attended. Unless the College expects to complete its enrollment roster with the NSLDS within 60 days of the student's change in enrollment, the College must notify the lender or guarantee agency, via NSLDS within 30 days. The College has 15 days to turn around the roster file. Therefore, we have determined timeliness to be established as within 75 days.

84.063 FEDERAL PELL GRANT PROGRAM (continued)

III. Federal Award Findings and Questioned Costs

U.S. Department of Education
 Rockingham Community College
 For the Fiscal Year Ended June 30, 2019

Type of Finding/ Questioned Costs	Findings and Recommendations
	<p>student enrollment data reported to the National Student Loan Data System (NSLDS) for accuracy.</p> <p>To resolve the finding, the Records Office will notify NSLDS of a change in student status within 75 days and monitor the information reported from NSLDS to ensure its agreement with College records. Upon receipt of the National Student Clearinghouse (NSC) Degree Verify Report, the Records Office will correct all students with an error status. The Records Office will continue to submit enrollment reports and degree reports to the NSC based on the reporting requirements to meet federal regulations. A reconciliation of the NSLDS enrollment data will be completed by the Records Office and Financial Aid and Veterans Affairs Office every 60 days to ensure accurate reporting.</p> <p>The college's Registrar, in collaboration with the Director of Financial Aid and Veterans Affairs, is responsible for implementing this corrective action. The estimated date for completion of this implementation is February, 2020.</p>
<p>2019-032 <u>Special Tests and Provisions:</u> Significant Deficiency</p>	<p><u>Information Security Program Does Not Meet Minimum Federal Requirements</u></p> <p>The College's risk assessment over protecting students' financial aid information did not include all of the elements as required by federal regulations. During the audit period, the College disbursed approximately \$2.5 million in federal financial assistance to 666 students subject to this requirement. See finding 2019-009 for a description.</p>

84.063 FEDERAL PELL GRANT PROGRAM

III. Federal Award Findings and Questioned Costs

U.S. Department of Education
 University of North Carolina at Chapel Hill
 For the Fiscal Year Ended June 30, 2019

	Type of Finding/ Questioned Costs	Findings and Recommendations
2019-033	<p><u>Special Tests and Provisions:</u></p> <p>Material Weakness</p> <p>Material Noncompliance</p>	<p><u>Enrollment Status Reporting Errors</u></p> <p>The University did not timely report enrollment status changes to the National Student Loan Data System (NSLDS) for students who received federal financial assistance. During the audit period, the University disbursed approximately \$198 million in federal financial assistance funding to 12,223 students subject to this reporting requirement.</p> <p>Auditors tested the enrollment status reporting for a sample of 60 students who received federal financial assistance and whose enrollment status changed.</p> <p>Four (7%) students were not reported in accordance with federal compliance requirements. Specifically:</p> <ul style="list-style-type: none"> • Three (5%) students were reported 82 to 84 days after the status change occurred. • One (2%) student was reported with an incorrect status change. <p>Failure to report student enrollment status changes to the NSLDS could impact student Pell and Direct Loan eligibility.</p> <p>According to University management, it relied on the National Student Clearinghouse (Clearinghouse), a third-party service provider, to ensure accurate and timely reporting of enrollment status changes. The University did not monitor the information reported to the NSLDS to ensure its agreement with University records.</p> <p>Federal regulations⁵² require the University to notify NSLDS within 75⁵³ days of a change in student status for those students that received Pell Grant and Federal Direct Loan funds. In addition, the NSLDS Enrollment Reporting Guide states that the University is ultimately responsible for timely and accurate reporting.</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Education; CFDA Numbers (titles): 84.063 (Federal Pell Grant Program) and</p>

⁵² 34 CFR 690.83 and 34 CFR 685.309

⁵³ The University is required to notify the NSLDS when it discovers that a student who received loans or Pell grants has had a reduction or increase in attendance levels, graduated, withdrew/dropped out, dropped below half-time, or enrolled but never attended. Unless the University expects to complete its enrollment roster with the NSLDS within 60 days of the student's change in enrollment, the University must notify the lender or guarantee agency, via NSLDS within 30 days. The University has 15 days to turn around the roster file. Therefore, we have determined timeliness to be established as within 75 days.

84.063 FEDERAL PELL GRANT PROGRAM (continued)

III. Federal Award Findings and Questioned Costs

U.S. Department of Education
 University of North Carolina at Chapel Hill
 For the Fiscal Year Ended June 30, 2019

Type of Finding/ Questioned Costs	Findings and Recommendations
	<p>84.268 (Federal Direct Student Loans); Award Period: July 1, 2018 – June 30, 2019.</p> <p><i>Recommendation:</i> University management should monitor submissions of student enrollment status changes submitted by the Clearinghouse to ensure they are reported timely and accurately to the NSLDS. University management should also implement monitoring procedures to ensure all students with enrollment status changes are identified and communicated to the appropriate parties.</p> <p><i>Agency Response:</i> Like many institutions of higher education and as noted in the management letter, the University of North Carolina at Chapel Hill utilized the National Student Clearinghouse (Clearinghouse) to report enrollment changes on our behalf to NSLDS. The enrollment reporting requirement is intended to allow the federal government and loan servicers to appropriately cease or adjust payments and change the in-school status of borrowers to a new appropriate status based on NSLDS information. While we have instituted training and implemented procedures and monitoring of these students, we acknowledge the delay which ranged from 7 to 9 days beyond the required timeline for the three cases identified. We also acknowledge that the sample identified a student that separated from the institution with the incorrect separation type.</p> <p>Please note that the planning and implementation of a monitoring process with our third party service provider, National Student Clearinghouse, to review the data and status changes submitted on our behalf to the NSLDS began immediately upon receipt of the report and the University will continue to ensure accurate and timely reporting for this process. As recommended, we also are investing in federal regulations training for our staff to ensure compliance of current standards and safeguards. The Office of the University Registrar will work with both the Clearinghouse and UNC Information Technology Systems department on determining if the file needs to be submitted earlier, more often or both in order to rectify this finding. In response to the incorrect separation status, the corrective action to run reports for late graduation conferrals is under development. The Office of the University Registrar has also developed an internal process to identify and manually update the Clearinghouse.</p> <p>The Office of the University Registrar will also work to put additional safeguards in place to monitor the submissions of the enrollment files to the Clearinghouse to ensure the information is meeting the necessary timeline to address this finding. We will also schedule regular reviews of the error reports to ensure accurate reporting to NSLDS.</p>

84.063 FEDERAL PELL GRANT PROGRAM

III. Federal Award Findings and Questioned Costs

U.S. Department of Education
 Winston-Salem State University
 For the Fiscal Year Ended June 30, 2019

	Type of Finding/ Questioned Costs	Findings and Recommendations
2019-034	<p><u>Cash Management:</u></p> <p>Significant Deficiency</p>	<p><u>Deficiencies in Cash Management</u></p> <p>The University requested and received federal student financial aid funds that exceeded the immediate need of students, and held a balance of these excess funds in violation of federal requirements. During the fiscal year ended June 30, 2019, the University requested approximately \$52.2 million in financial aid subject to the requirements. See finding 2019-010 for a description.</p>
2019-035	<p><u>Special Tests and Provisions:</u></p> <p>Material Weakness</p> <p>Material Noncompliance</p>	<p><u>Enrollment Status Reporting Errors</u></p> <p>The University did not accurately report enrollment status changes to the National Student Loan Data System (NSLDS) for students who received federal financial assistance. During the audit period, the University disbursed approximately \$49.8 million in financial aid to 4,384 students subject to this requirement.</p> <p>Auditors reviewed the enrollment status reporting for a sample of 60 students who received federal financial assistance and whose enrollment status changed. Eight (13%) students were reported with an incorrect status change.</p> <p>Failure to report student enrollment status changes to the NSLDS could impact student Pell and Direct Loan eligibility.</p> <p>According to University management, there were two reasons why enrollment status changes were not reported.</p> <p>First, the University relied upon the information system (Banner) to accurately report status changes. During the audit period, the information system was not setup to identify all types of student enrollment status changes.</p> <p>Second, the University Registrar stated she was unaware that the University needed to monitor NSLDS for all types of enrollment status changes.</p> <p>Federal regulations⁵⁴ require the University to notify NSLDS within 75 days⁵⁵ of a change in student status for those students that received Pell Grant and</p>

⁵⁴ 34 CFR 690.83 and 34 CFR 685.309

⁵⁵ The University is required to notify the NSLDS when it discovers that a student who received loans or Pell grants has had a reduction or increase in attendance levels, graduated, withdrew/dropped out, dropped below half-time, or enrolled but never attended. Unless the University expects to complete its enrollment roster with the NSLDS within 60 days of the student's change in enrollment, the University must notify the lender or guarantee agency, via NSLDS within 30 days. The University has 15 days to turn around the roster file. Therefore, we have determined timeliness to be established as within 75 days.

84.063 FEDERAL PELL GRANT PROGRAM (continued)

III. Federal Award Findings and Questioned Costs

U.S. Department of Education
 Winston-Salem State University

For the Fiscal Year Ended June 30, 2019

Type of Finding/ Questioned Costs	Findings and Recommendations
	<p>Federal Direct Loan funds. In addition, the NSLDS Enrollment Reporting Guide states that the University is ultimately responsible for timely and accurate reporting.</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Education; CFDA Numbers (titles): 84.063 (Federal Pell Grant Program) and 84.268 (Federal Direct Student Loans); Award Period: July 1, 2018 – June 30, 2019.</p> <p><i>Recommendation:</i> University management should establish monitoring procedures to ensure that information systems are properly setup to identify all types of student enrollment status changes. University management should provide training or take other action to ensure that staff are aware of NSLDS requirements.</p> <p><i>Agency Response:</i> Winston-Salem State University agrees with the findings and the recommendations as it relates to Enrollment Status Reporting Errors and will take corrective action steps to implement the OSA recommendation in order to ensure no future errors. Steps have been taken to ensure that the Registrar leadership team reviews federal aid policy changes annually to confirm that any relevant adjustments are made and all enrollment status types accounted for.</p>
<p>2019-036 <u>Special Tests and Provisions:</u> Significant Deficiency</p>	<p><u>Errors in Return of Title IV Funds</u></p> <p>The University incorrectly calculated how much money to return to the Title IV program (financial aid) after students supported by the program withdrew from school. Also, some funds were either not returned or were returned late. During the audit period, the University disbursed approximately \$51.9 million in financial aid to 4,401 students. See finding 2019-011 for a description.</p>
<p>2019-037 <u>Special Tests and Provisions:</u> Significant Deficiency</p>	<p><u>Deficiencies in Transfer Monitoring</u></p> <p>The University did not obtain updated financial aid history through the National Student Loan Data System (NSLDS) for transfer students before disbursing Title IV aid. During the audit period, the University disbursed approximately \$51.9 million in financial aid to 4,401 students.</p>
	<p>Auditors reviewed the financial aid history for 60 out of 406 students who received federal financial assistance and transferred to the University during the 2018-2019 award year. For nine (15%) students, the University failed to request updated information about each student before disbursing funds.</p>

84.063 FEDERAL PELL GRANT PROGRAM (continued)

III. Federal Award Findings and Questioned Costs

U.S. Department of Education
 Winston-Salem State University
 For the Fiscal Year Ended June 30, 2019

Type of Finding/ Questioned Costs	Findings and Recommendations
	<p>Failure to obtain updated financial aid history for transfer students could result in the disbursement of Title IV funds to students who have reached their lifetime award limits and impact students' Pell and Direct Loan eligibility.</p> <p>According to University management, the University contracted with a consultant to review the NSLDS for transfer students. However, the University did not monitor the procedures performed by the consultant to ensure federal requirements were met. Prior to the audit, management was unaware that the consultant failed to properly add students to the transfer monitoring list and/or obtain updated financial aid history for transfer students during the audit period.</p> <p>Federal regulations⁵⁶ require the University request updated information about transfer students so it can make certain required determinations⁵⁷ before disbursing funds.</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Education; CFDA Numbers (titles): 84.063 (Federal Pell Grant Program) and 84.268 (Federal Direct Student Loans); Award Period: July 1, 2018 – June 30, 2019.</p> <p><i>Recommendation:</i> University management should implement monitoring procedures, such as a secondary review of procedures performed by the contracted consultant, to ensure federal compliance requirements are met for all transfer students.</p> <p><i>Agency Response:</i> Winston-Salem State University agrees with the findings and the recommendations as it relates to Deficiencies in Transfer Monitoring and will take corrective action steps to implement the OSA recommendation in order to ensure no future errors. As part of the Compliance Calendar, the Associate Director for Compliance and Accounting will monitor each semester to ensure the proper transfer monitoring was performed. These transfer monitoring procedures will be completed at least monthly during the semester.</p>

⁵⁶ 34 CFR 668.19

⁵⁷ The University is required to use the transfer monitoring list and/or updated financial aid history to determine: whether any transfer student is in default on any Title IV loan; owes an overpayment on any Title IV grant; the amount of Title IV funds disbursed to the student for the award year; the outstanding principal balance of loans made to the student under each Title IV program; and the amount of, and period of enrollment for, loans made to the student under each Title IV program for the academic year requested.

84.268 FEDERAL DIRECT STUDENT LOANS

III. Federal Award Findings and Questioned Costs

U.S. Department of Education

Appalachian State University

For the Fiscal Year Ended June 30, 2019

	Type of Finding/ Questioned Costs	Findings and Recommendations
2019-038	<u>Special Tests and Provisions:</u> Significant Deficiency	<u>Untimely Return of Title IV Funds</u> The University did not timely return Title IV funds (financial aid) after students supported by the program withdrew from the school. During the audit period, the University disbursed approximately \$116.3 million in federal financial assistance to 11,231 students. See finding 2019-003 for a description.

84.268 FEDERAL DIRECT STUDENT LOANS

III. Federal Award Findings and Questioned Costs

U.S. Department of Education

Nash Community College

For the Fiscal Year Ended June 30, 2019

	Type of Finding/ Questioned Costs	Findings and Recommendations
2019-039	<p><u>Special Tests and Provisions:</u></p> <p>Material Weakness</p> <p>Material Noncompliance</p>	<p><u>Enrollment Status Reporting Errors</u></p> <p>The College did not timely report enrollment status changes to the National Student Loan Data System (NSLDS) for students who received federal financial assistance. During the audit period, the College disbursed approximately \$7.2 million in federal financial assistance funding to 1,462 students subject to this reporting requirement. See finding 2019-029 for a description.</p>
2019-040	<p><u>Special Tests and Provisions:</u></p> <p>Significant Deficiency</p>	<p><u>Information Security Program Does Not Meet Minimum Federal Requirements</u></p> <p>The College’s risk assessment over protecting students’ financial aid information did not include all of the elements as required by federal regulations. During the audit period, the College disbursed approximately \$7.2 million in federal financial assistance to 1,462 students subject to this requirement. See finding 2019-008 for a description.</p>
2019-041	<p><u>Special Tests and Provisions:</u></p> <p>Significant Deficiency</p>	<p><u>Direct Loan Reconciliation Errors</u></p> <p>The College did not reconcile Federal Direct Loan disbursements to students to the Department of Education records. During the audit period, the College disbursed \$2.3 million in Federal Direct Loans to 421 students.</p> <p>Auditors tested all 12 of the monthly reconciliations during the audit period and found no evidence that the reconciliations were performed for five (42%) months.</p> <p>As a result, federal records could be inaccurate or incomplete. Failure to perform reconciliations could also result in students owing more or less money than was disbursed by the College.</p> <p>The College did not have procedures in place to ensure reconciliations were completed accurately and reviewed.</p> <p>Federal regulations⁵⁸ require the College to reconcile the Student Account Statement (SAS) data file (received from the Department of Education) to the College’s disbursements records each month.</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Education; CFDA Number (title): 84.268 (Federal Direct Student Loans); Award Period: July 1, 2018 – June 30, 2019.</p>

⁵⁸ 34 CFR 685.300(b)

84.268 FEDERAL DIRECT STUDENT LOANS (continued)

III. Federal Award Findings and Questioned Costs

U.S. Department of Education

Nash Community College

For the Fiscal Year Ended June 30, 2019

Type of Finding/ Questioned Costs	Findings and Recommendations
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Recommendation: College management should design and implement review and/or monitoring procedures over the reconciliations to ensure they are completed accurately.

Agency Response: Nash Community College agrees with the finding that the College did not document Direct Loan Reconciliations each month. Based on this finding, the College has established the following procedure to ensure Direct Loan Reconciliations are completed.

The Direct Loan Reconciliations will be completed by the Assistant Director of Financial Aid by the 15th of each month. Once the reports are reconciled, the Assistant Director of Financial Aid will submit the reports to the Director of Financial Aid for review. The Direct Loan Reconciliation files will be maintained in the office of the Assistant Director of Financial Aid. Corrective action for the reconciliation process was implemented as of September 30, 2019.

84.268 FEDERAL DIRECT STUDENT LOANS

III. Federal Award Findings and Questioned Costs

U.S. Department of Education
 University of North Carolina at Chapel Hill
 For the Fiscal Year Ended June 30, 2019

	Type of Finding/ Questioned Costs	Findings and Recommendations
2019-042	<p><u>Special Tests and Provisions:</u></p> <p>Material Weakness</p> <p>Material Noncompliance</p>	<p><u>Enrollment Status Reporting Errors</u></p> <p>The University did not timely report enrollment status changes to the National Student Loan Data System (NSLDS) for students who received federal financial assistance. During the audit period, the University disbursed approximately \$198 million in federal financial assistance funding to 12,223 students subject to this reporting requirement. See finding 2019-033 for a description.</p>

84.268 FEDERAL DIRECT STUDENT LOANS**III. Federal Award Findings and Questioned Costs**

U.S. Department of Education
Winston-Salem State University

For the Fiscal Year Ended June 30, 2019

	Type of Finding/ Questioned Costs	Findings and Recommendations
2019-043	<p><u>Cash Management:</u></p> <p>Significant Deficiency</p>	<p><u>Deficiencies in Cash Management</u></p> <p>The University requested and received federal student financial aid funds that exceeded the immediate need of students, and held a balance of these excess funds in violation of federal requirements. During the fiscal year ended June 30, 2019, the University requested approximately \$52.2 million in financial aid subject to the requirements. See finding 2019-010 for a description.</p>
2019-044	<p><u>Special Tests and Provisions:</u></p> <p>Material Weakness</p> <p>Material Noncompliance</p>	<p><u>Enrollment Status Reporting Errors</u></p> <p>The University did not accurately report enrollment status changes to the National Student Loan Data System (NSLDS) for students who received federal financial assistance. During the audit period, the University disbursed approximately \$49.8 million in financial aid to 4,384 students subject to this requirement. See finding 2019-035 for a description.</p>
2019-045	<p><u>Special Tests and Provisions:</u></p> <p>Significant Deficiency</p>	<p><u>Errors in Return of Title IV Funds</u></p> <p>The University incorrectly calculated how much money to return to the Title IV program (financial aid) after students supported by the program withdrew from school. Also, some funds were either not returned or were returned late. During the audit period, the University disbursed approximately \$51.9 million in financial aid to 4,401 students. See finding 2019-011 for a description.</p>
2019-046	<p><u>Special Tests and Provisions:</u></p> <p>Significant Deficiency</p>	<p><u>Deficiencies in Transfer Monitoring</u></p> <p>The University did not obtain updated financial aid history through the National Student Loan Data System (NSLDS) for transfer students before disbursing Title IV aid. During the audit period, the University disbursed approximately \$51.9 million in financial aid to 4,401 students. See finding 2019-037 for a description.</p>

84.287 TWENTY-FIRST CENTURY COMMUNITY LEARNING CENTERS

III. Federal Award Findings and Questioned Costs

U.S. Department of Education
 N.C. Department of Public Instruction
 For the Fiscal Year Ended June 30, 2019

	Type of Finding/ Questioned Costs	Findings and Recommendations
2019-047	<p><u>Subrecipient Monitoring:</u></p> <p>Material Weakness</p> <p>Material Noncompliance</p>	<p><u>Incomplete Fiscal Monitoring</u></p> <p>The Department did not adequately conduct its fiscal monitoring⁵⁹ of subrecipients receiving \$25.4 million in federal pass-through funding for the 21st Century Community Learning Centers (21st CCLC) program.</p> <p>During the audit period, the Department did not perform 12 of the 18 (67%) planned fiscal monitoring visits⁶⁰.</p> <p>Additionally, the Department did not communicate the results of any fiscal desk reviews⁶¹ performed during the audit period to the subrecipients. Auditors reviewed results of all 33 fiscal desk reviews that were performed and found that fiscal monitors had identified various issues in 31 of 33 (94%) reviews. Examples of issues identified in the desk reviews included:</p> <ul style="list-style-type: none"> • Insufficient time sheet documentation for reimbursed payroll costs. • Individuals signing their own checks. • Double counting expenses in reimbursement requests. <p>Inadequate fiscal monitoring increases the risk of undetected funding misuse and reduces the funding availability to effective 21st CCLC subrecipients.</p> <p>According to Department management, the new Director of Federal Program Monitoring and Support directed updates to the fiscal monitoring policies and procedures during the year but did not clearly assign duties and ensure timely implementation during the transition period.</p> <p>The procedural weaknesses occurred despite multiple Office of the State Auditor investigative reports⁶² citing the Department's inadequate monitoring of 21st CCLC subrecipients over recent years.</p>

⁵⁹ Fiscal monitoring includes two types of monitoring: on-site monitoring visits and desk reviews.
⁶⁰ On-site monitoring visits are conducted for the fiscal year and monitors review subrecipients' expenditures to ensure federal funds are used for allowable costs in accordance with approved budgets and program guidelines. In addition, they evaluate subrecipients' compliance with equipment, procurement, and cash management requirements.
⁶¹ Desk reviews entail examining supporting documentation for a sample of subrecipient reimbursement requests to determine whether program funds provided were valid and used for allowable purposes.
⁶² Office of the State Auditor investigative reports citing inadequate 21st CCLC monitoring include: "Kinetic Minds" (November 2019), "Area Day Reporting Program for Youth, Inc" (February 2019), "Department of Public Instruction-21st Century Community Learning Center" (June 2015), and "Real G.I.R.L.S., Inc." (December 2012).

84.287 TWENTY-FIRST CENTURY COMMUNITY LEARNING CENTERS (continued)

III. Federal Award Findings and Questioned Costs

U.S. Department of Education
 N.C. Department of Public Instruction
 For the Fiscal Year Ended June 30, 2019

Type of Finding/ Questioned Costs	Findings and Recommendations
	<p>In accordance with federal Uniform Guidance regulations⁶³, the Department is required to:</p> <p>Monitor the activities of the subrecipient as necessary to ensure that the subaward is used for authorized purposes in compliance with Federal statutes, regulations, and the terms and conditions of the subaward; and that subaward performance goals are achieved.</p> <p>The regulations also require the Department to ensure "...the subrecipient takes timely and appropriate action on all deficiencies pertaining to the Federal award...detected through audits, on-site reviews, and other means."</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Education; CFDA Number (title): 84.287 (Twenty-First Century Community Learning Centers); Federal Award Number (award period): S287C180033 (July 1, 2018 - September 30, 2019).</p> <p><i>Recommendation:</i> Department management should clearly assign compliance responsibilities and monitor for timely performance of those responsibilities during periods of change.</p> <p><i>Agency Response:</i> The Department of Public Instruction concurs with the Auditor's finding and recommendation. Fiscal monitoring of Twenty-First Century Community Learning Centers (21st CCLC) grantees has been an evolution of improvement over many years. Federal Programs Monitoring and Support (FPMS) previously contracted with an external vendor for fiscal monitoring reviews of 21st CCLC grantees. In Fiscal Year 2018, FPMS increased staffing to add a full-time Fiscal Monitor position, which allocated 1.5 FTEs to the monitoring of 21st CCLC.</p> <p>A new division reporting structure was adopted in Fiscal Year 2019 which has the 21st CCLC fiscal monitors reporting to the Section Chief and State Coordinator of the 21st CCLC program. This allowed the entire 21st CCLC team to work closely together in developing risk assessments and scheduling and conducting fiscal reviews. To strengthen the written procedures around all types of fiscal and programmatic monitoring, FPMS has revised and updated the 21st CCLC Subgrantee Monitoring Standard Operating Procedures Manual (SOP). This revised manual will detail roles and responsibilities, steps of both onsite and desk reviews, expectations for management review, and details for reporting review results to subrecipients.</p>

⁶³ 2 CFR 200.331(d)

84.287 TWENTY-FIRST CENTURY COMMUNITY LEARNING CENTERS (continued)

III. Federal Award Findings and Questioned Costs

U.S. Department of Education
 N.C. Department of Public Instruction
 For the Fiscal Year Ended June 30, 2019

	Type of Finding/ Questioned Costs	Findings and Recommendations
2019-048	Subrecipient <u>Monitoring:</u> Significant Deficiency	<p><u>Inadequate Award Communication</u></p> <p>The Department did not timely notify subrecipients of federal award information for three audited federal programs including Title I, Part A; Title II, Part A; and 21st Century Community Learning Centers (CCLC). In total, subrecipients of these programs received approximately \$500 million during the fiscal year. See finding 2019-015 for a description.</p>

84.367 SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS**III. Federal Award Findings and Questioned Costs**

U.S. Department of Education

N.C. Department of Public Instruction

For the Fiscal Year Ended June 30, 2019

	Type of Finding/ Questioned Costs	Findings and Recommendations
2019-049	Subrecipient <u>Monitoring:</u> Significant Deficiency	<u>Fiscal Monitoring Results Were Not Communicated Timely</u> The Department did not timely communicate fiscal monitoring results of local school districts and charter schools, collectively referred to as subrecipients. Auditors noted deficiencies in three federal programs: Title I, Part A; Title II, Part A; and School Improvement Grants (SIG). In total the Department awarded approximately \$486 million for these programs to 257 subrecipients during the fiscal year. See finding 2019-014 for a description.
2019-050	Subrecipient <u>Monitoring:</u> Significant Deficiency	<u>Inadequate Award Communication</u> The Department did not timely notify subrecipients of federal award information for three audited federal programs including Title I, Part A; Title II, Part A; and 21 st Century Community Learning Centers (CCLC). In total, subrecipients of these programs received approximately \$500 million during the fiscal year. See finding 2019-015 for a description.

84.377 SCHOOL IMPROVEMENT GRANTS

III. Federal Award Findings and Questioned Costs

U.S. Department of Education
 N.C. Department of Public Instruction
 For the Fiscal Year Ended June 30, 2019

	Type of Finding/ Questioned Costs	Findings and Recommendations
2019-051	<p>Cash <u>Management:</u></p> <p>Material Weakness</p> <p>Material Noncompliance</p>	<p><u>Deficiencies in Cash Management Procedures</u></p> <p>The Department held \$752,764 in federal funds that were not needed to immediately pay expenditures of the program. During the fiscal year ended June 30, 2019, the Department requested approximately \$10.5 million in federal funds.</p> <p>Auditors reviewed the daily cash balances of federal funds for the program and determined that the Department began the fiscal year with \$752,764 of federal cash on hand. To pay for expenditures incurred, additional federal funds were drawn routinely throughout the first two quarters of the fiscal year without consideration of the cash on hand.</p> <p>As a result, the Department diminished cash balances at the federal level that could have been available to pay for other states' programs for raising student achievement in their lowest performing schools.</p> <p>According to the Department, the staff responsible for monitoring the cash balances relied on the database tool used to calculate federal funds requests which was not designed to require use of cash on hand prior to requesting additional funds.</p> <p>Further, there are no written policies that outline specific procedures for federal cash on hand.</p> <p>The School Improvements Grant is subject to subpart B of the Treasury regulations in 31 CFR part 205, which dictate that a State should minimize the time between the drawdown of federal funds from the federal government and their disbursement for approved program purposes, keeping them as close as administratively feasible to the State's actual cash outlay.</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Education; CFDA Number (title): 84.377 (School Improvement Grants); Federal Award Number (award period): S377A160034 (July 1, 2016 – September 30, 2021, as extended).</p> <p><i>Recommendation:</i> Department management should implement policies and procedures to define how to handle cash on hand before drawing down additional federal funds. Further, management should ensure that the database used to monitor cash balances is accurately taking cash on hand into consideration before drawing additional federal fund.</p>

84.377 SCHOOL IMPROVEMENT GRANTS (continued)**III. Federal Award Findings and Questioned Costs**

U.S. Department of Education

N.C. Department of Public Instruction

For the Fiscal Year Ended June 30, 2019

Type of Finding/ Questioned Costs	Findings and Recommendations
<p><i>Agency Response:</i> The Department of Public Instruction concurs with the Auditor's finding and recommendation. Financial Services within the Department of Public Instruction researched this transaction and found several issues. The initial transaction took place at the beginning of Fiscal Year 2019 as a result of the Local Educational Agencies' (LEAs) zero-out process when unused funds were returned for the month of June 2018. The "in house" system used by the cash management team to assist with federal drawdowns was having technical issues at this time. DPI created this database program in 2010 to assist the cash management team in processing drawdowns, during the Fiscal Year 2019 year-end processing the system was not recognizing the "cash on hand" funds. Thus, not including these funds for the purpose of the next draw. Cash management staff did not follow proper procedures to review the 208 report, which generates and tracks the available federal funds by federal program. Also, at the time this issue occurred, drawdowns were not being approved by a manager prior to processing.</p>	<p>The following corrective actions have been taken in order to minimize errors moving forward.</p> <ul style="list-style-type: none"> • The system issues were corrected shortly after the beginning of Fiscal Year 2019. Steps have been put in place to evaluate this system to ensure accuracy moving forward. • The 208 report is now being reviewed by both the cash management staff and the appropriate manager to ensure the correct federal grant year(s) and amounts are drawn. In addition, the cash management staff are being thoroughly trained to complete the drawdown calculation manually and ensure they are not solely dependent on the automated systems. This training will allow the staff to recognize system issues moving forward. • A new process will be put in place starting March 2020 to return unused federal funds as part of the monthly zero-out process with the LEAs. These returned funds will go back into the federal system and will be included in the available balance to be drawn down at a later date. This is a common practice with other state agencies, and it will streamline the process and eliminate "cash on hand" for federal grants. • The Department has formed a grant section which consist of a Grant Accountant and two General Accountants. The major objective for this section is to monitor, review, approve and reconcile all federal fund draws.

84.377 SCHOOL IMPROVEMENT GRANTS (continued)

III. Federal Award Findings and Questioned Costs

U.S. Department of Education
 N.C. Department of Public Instruction
 For the Fiscal Year Ended June 30, 2019

	Type of Finding/ Questioned Costs	Findings and Recommendations
		<p>We believe implementation of these corrective actions will address the deficiencies noted. DPI and the State Board of Education have also submitted budget requests to add positions for both Financial Services and Internal Audit to strengthen those areas within the Department.</p>
2019-052	<p>Subrecipient Monitoring: Significant Deficiency</p>	<p><u>Fiscal Monitoring Results Were Not Communicated Timely</u></p> <p>The Department did not timely communicate fiscal monitoring results of local school districts and charter schools, collectively referred to as subrecipients. Auditors noted deficiencies in three federal programs: Title I, Part A; Title II, Part A; and School Improvement Grants (SIG). In total the Department awarded approximately \$486 million for these programs to 257 subrecipients during the fiscal year. See finding 2019-014 for a description.</p>

93.364 NURSING STUDENT LOANS

III. Federal Award Findings and Questioned Costs

U.S. Department of Health and Human Services

Winston-Salem State University

For the Fiscal Year Ended June 30, 2019

	Type of Finding/ Questioned Costs	Findings and Recommendations
2019-053	Cash <u>Management:</u> Significant Deficiency	<p><u>Deficiencies in Cash Management</u></p> <p>The University requested and received federal student financial aid funds that exceeded the immediate need of students, and held a balance of these excess funds in violation of federal requirements. During the fiscal year ended June 30, 2019, the University requested approximately \$52.2 million in financial aid subject to the requirements. See finding 2019-010 for a description.</p>

93.556 PROMOTING SAFE AND STABLE FAMILIES

III. Federal Award Findings and Questioned Costs

U.S. Department of Health and Human Services

N.C. Department of Health and Human Services

For the Fiscal Year Ended June 30, 2019

	Type of Finding/ Questioned Costs	Findings and Recommendations
2019-054	<p><u>Activities Allowed or Unallowed:</u></p> <p>Material Weakness</p> <p><u>Allowable Costs/ Cost Principles:</u></p> <p>Material Weakness</p>	<p><u>Inadequate Monitoring of Program Recipients</u></p> <p>The Department did not monitor counties that received funds for family reunification services for the Promoting Safe and Stable Families grant. During the audit period, the Department provided \$3.4 million dollars in family reunification service funds to counties.</p> <p>Inadequate monitoring increased the risk that the Department would not detect if funds intended to be spent reuniting separated families were not used in accordance with federal regulations. As a result, families otherwise eligible for assistance may not have been served.</p> <p>According to Department management, they did not recognize that they should perform on-site monitoring to ensure that subrecipients were managing the program in compliance with federal regulations. The Division of Social Services⁶⁴ thought that the department-wide monitoring of administrative expenditures processed through the County Administrative Reimbursement System included monitoring of the family reunification expenditures.</p> <p>Federal regulations⁶⁵ require the Department to “establish and maintain effective internal control over the federal award that provides reasonable assurance that the Department is managing the program in compliance with federal statutes, regulation, and the terms and conditions of the federal award.” Monitoring the funds sent to the counties would be an effective control over compliance.</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Health and Human Services; CFDA (title): 93.556 (Promoting Safe and Stable Families); Federal Award Numbers (award periods): G-1701NCFPSS (October 1, 2016 – September 30, 2018); G-1801NCFPSS (October 1, 2017 – September 30, 2019) and G-1901NCFPSS (October 1, 2018 – September 30, 2020).</p> <p><i>Recommendation:</i> The Department should ensure responsible staff understand what monitoring procedures occur during the department-wide monitoring of the County Administrative Reimbursement System and implement adequate monitoring procedures to ensure counties expend family reunification funds in accordance with federal regulations.</p> <p><i>Agency Response:</i> The Department agrees with the finding. The Department is strengthening its monitoring procedures for county child welfare agency reunification services funded by the federal Promoting Safe and Stable Families grant.</p>

⁶⁴ The Division of Social Services is the division within DHHS that administers the Promoting Safe and Stable Families grant.

⁶⁵ 2 CFR 200.303 - Internal controls.

93.558 TEMPORARY ASSISTANCE FOR NEEDY FAMILIES

III. Federal Award Findings and Questioned Costs

U.S. Department of Health and Human Services

N.C. Department of Health and Human Services

For the Fiscal Year Ended June 30, 2019

	Type of Finding/ Questioned Costs	Findings and Recommendations
2019-055	<p><u>Eligibility:</u></p> <p>Significant Deficiency</p> <p>Questioned Cost Finding</p> <p>\$54,706</p> <p>1801NCTANF - \$6,693</p> <p>1901NCTANF - \$48,013</p>	<p><u>Deficiencies in the TANF Eligibility Determination Process</u></p> <p>The Department paid \$54,706 in Temporary Assistance for Needy Families (TANF) benefits⁶⁶ to or on behalf of ineligible families due to inaccurate and inadequately documented eligibility determinations. When the errors found in the sample are projected to the entire population, the most likely error paid to or on behalf of ineligible families is \$4.5 million⁶⁷. During the audit period, approximately 71 thousand families received \$127 million in TANF benefits.</p> <p>The task of determining eligibility for the TANF program has been delegated to the county departments of social services (DSS)⁶⁸. However, the Department was responsible for ensuring compliance with the eligibility requirements.</p> <p>Auditors reviewed the client case files for a statistical sample of 601 families and found one or more errors in 92 (15.31%) cases. Specifically:</p> <ul style="list-style-type: none"> • 27 (4.49%) families were found to be ineligible for cash assistance during the coverage period. This was due to incomplete or noncompliance with the Mutual Responsibility Agreement (MRA)⁶⁹, as well as lack of verification of income and other non-financial⁷⁰ eligibility requirements. Payments totaling \$38,936 were paid to these ineligible families. • 8 (1.50%) families were found to be ineligible for child care assistance during the coverage period due to inaccurate plan of care for TANF funding⁷¹. Payments totaling \$15,770 were paid on behalf of these ineligible families. • 57 (9.48%) client files were missing some of the required eligibility documentation. Examples of missing information included child support referral documentation and online verification documentation. Further, some income calculations were inaccurate. However, when auditors

⁶⁶ TANF Benefits include Cash Assistance paid directly to eligible families and Child Care Subsidy Assistance paid directly to Child Care Providers on behalf of eligible families.

⁶⁷ When the payments of \$54,706 that were made to or on behalf of ineligible families found in the sample are projected to the entire population, the most likely total error is \$4.5 million. When the errors are evaluated at a 95% confidence interval, the results are unlikely to be less than \$2.7 million or more than \$6.2 million.

⁶⁸ *North Carolina General Statute* §108A-27.6(a)(2)

⁶⁹ The MRA is an agreement between the recipient and the county that describes the steps the family will take to become self-sufficient and the supportive services the county will provide.

⁷⁰ Examples of non-financial eligibility requirements include verifying that immunization/medical checks-ups are current, and that kinship and family cap requirements were met.

⁷¹ TANF funds can be used for child care assistance to support families that are working.

93.558 TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (continued)

III. Federal Award Findings and Questioned Costs

U.S. Department of Health and Human Services

N.C. Department of Health and Human Services

For the Fiscal Year Ended June 30, 2019

Type of Finding/ Questioned Costs	Findings and Recommendations
	<p>redetermined eligibility using updated information, the family was eligible.</p> <p>As a result, the Department could have paid an estimated \$4.5 million in benefits to or on behalf of ineligible families. These funds could have been used to provide benefits to other eligible families or reduce the overall costs of the program. In addition, the \$54,706 that was paid to or on behalf of ineligible families is considered questioned costs⁷².</p> <p>According to the Department the eligibility errors occurred because of defects in NC FAST⁷³ and inaccurate interpretation and application of the established eligibility policies by the county DSS staff. The county DSS staff utilize NC FAST to input data and make eligibility determinations, however, the Department is responsible for establishing eligibility requirement policies, maintaining NC FAST, and training county DSS staff.</p> <p>Federal regulations⁷⁴ state that recipients are only eligible if they meet the requirements of a financially needy family with children. Additionally, state eligibility manuals⁷⁵ require adequate documentation to support eligibility determinations.</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Health and Human Services; CFDA Number: 93.558 (Temporary Assistance for Needy Families); Federal Award Numbers (award periods): 1801NCTANF (October 1, 2017 to September 30, 2019) and 1901NCTANF (October 1, 2018 to September 30, 2020).</p> <p><i>Recommendation:</i> Department management should correct the defects within NC FAST. In addition, the Department should provide adequate training or retraining when necessary to ensure that county DSS staff perform TANF eligibility determinations correctly.</p> <p><i>Agency Response:</i> The Department agrees with this finding. The Department will continue to provide training, guidance, and monitoring through desk reviews and onsite visits to county departments of social services (DSS) and local</p>

⁷² 2 CFR 200.516(a)(3) requires auditors to report known questioned costs that are greater than \$25,000 for a type of compliance requirement for a major program.

⁷³ The North Carolina Families Accessing Services Through Technology (NC FAST) is the eligibility system used in the TANF Program.

⁷⁴ 42 USC 601

⁷⁵ North Carolina Work First Manual

93.558 TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (continued)

III. Federal Award Findings and Questioned Costs

U.S. Department of Health and Human Services
 N.C. Department of Health and Human Services
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Type of Finding/ Questioned Costs	Findings and Recommendations
	<p>purchasing agencies (LPAs), who determine eligibility, to ensure compliance with the eligibility determination process.</p>
	<p>Department Division of Social Services (cash assistance): The county department of social services that had errors cited will be required to complete a Program Improvement Plan (PIP). Follow-up will begin once county notification letters are received or July 1, 2020 whichever comes first. The Work First Compliance Consultant will conduct the follow-up 3-6 months from the implementation of the PIP.</p>
	<p>Department Division of Child Development and Early Education (DCDEE) (child care assistance): The benefit period that this audit covered was within one year of when the Subsidized Child Care Assistance Program transitioned to NC FAST from the legacy system. Since transitioning to NC FAST and since the policy change, DCDEE has conducted additional trainings with county eligibility workers. Additional training materials from NC FAST on exactly how to handle these cases has also been provided. The Division’s technical assistance staff have been providing more onsite policy guidance and technical assistance to help eligibility workers better understand the new policies as well as better understand how to use NC FAST. DCDEE monitors county DSS/LPAs for accuracy with eligibility determination and case management on a three-year cycle. Counties are expected to have a 95% or better accuracy rate or a corrective action plan is put in place with the county. As a result of this audit, the program compliance unit will begin incorporating fund source review into their regular monitoring.</p>
<p>2019-056 <u>Reporting:</u> Significant Deficiency</p>	<p><u>Inaccurate TANF Data on Families Was Submitted to the Federal Government</u></p> <p>The Department submitted inaccurate data in the Temporary Assistance for Needy Families (TANF) ACF-199 report to the Administration for Children and Families (ACF). During the state fiscal year, approximately 26,100 families received \$33.9 million in cash assistance from the Federal TANF program.</p> <p>Auditors tested a random sample of 124 cases from the quarterly reports that were submitted for federal fiscal year ended September 30, 2018 and found 16 (13%) cases that had one or more errors in the following data elements:</p> <ul style="list-style-type: none"> • Number of countable months the participant received assistance. • Receives Subsidized child care.

93.558 TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (continued)**III. Federal Award Findings and Questioned Costs**

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	<p>In addition, the Department over-reported the total number of families receiving assistance for federal fiscal year 2018 by approximately 1,000 (1%) families.</p> <p>The Department's failure to submit accurate data could lead to penalties. A penalty of 4%⁷⁶ of the adjusted State Family Assistance Grant (SFAG)⁷⁷ can be imposed for each quarter the state fails to submit an accurate, complete, and timely report. Based on the federal fiscal year 2018 SFAG, the penalty could be up to \$8.6 million.</p> <p>Additionally, inaccurate data could impact the state's Work Participation Rate⁷⁸ (WPR) calculation. The data collected in the ACF-199 quarterly performance report is used by ACF to determine whether the state met its WPR and other program purposes. Failure to achieve the WPR could also result in penalties.</p> <p>According to Division of Social Services (DSS)⁷⁹ management, the ACF-199 reports submitted for federal fiscal year 2018 were not accurate due to ongoing issues with the transition to NC FAST⁸⁰, which occurred in state fiscal year 2015. DSS management is aware of these issues and has been working with DHHS NC FAST and IT staff to correct coding, criteria and conversion issues. However, they were unable to resolve all issues prior to the submission of the federal fiscal year 2018 reports.</p> <p>Federal regulations⁸¹ require each state to timely file the TANF Data Report. Specifically, regulations state:</p> <p style="padding-left: 40px;">"Each State must collect on a monthly basis, and file on a quarterly basis, the data specified in the TANF Data Report and the TANF Financial Report (or, as applicable, the Territorial Financial Report)."</p> <p>Furthermore, federal regulations⁸¹ require the reports to be accurate and complete. Specifically, regulations state:</p> <p style="padding-left: 40px;">"We will assess fiscal penalties against States under circumstances defined in parts 261 through 265 of this chapter. The penalties are... A penalty of</p>

⁷⁶ 45 CFR 262.1(a)(3)⁷⁷ The SFAG is the fixed amount of the federal TANF funding for the state. The adjusted SFAG for federal fiscal year 2018 was \$215,825,632 per the September 30, 2018 TANF financial report (form ACF-196R).⁷⁸ The WPR is a measure of how well a state succeeds in helping work eligible individuals find work activities during a fiscal year. A state must meet an overall and a two-parent participation requirement.⁷⁹ DSS is the division within the Department that is responsible for administering the TANF program.⁸⁰ NC FAST is the eligibility system used in the TANF program. It stands for North Carolina Families Accessing Services through Technology.⁸¹ 45 CFR 265.3

93.558 TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (continued)

III. Federal Award Findings and Questioned Costs

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	<p>four percent of the adjusted SFAG for each quarter a State fails to submit an accurate, complete and timely required report.”</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Health and Human Services; CFDA Number (title): 93.558 (Temporary Assistance for Needy Families); Federal Award Numbers (award periods): 1701NCTANF (October 1, 2016 – September 30, 2018) and 1801NCTANF (October 1, 2017 – September 30, 2019).</p> <p><i>Recommendation:</i> Division management should continue working with DHHS NC FAST and IT staff to identify and correct unresolved coding, criteria and conversion issues to ensure that accurate reports are submitted.</p> <p><i>Agency Response:</i> The Department is working diligently to resolve data inaccuracies with the ACF-199 Report, with priority placed on data elements that impact the work participation rates. A cross-divisional team made significant progress on correcting this coding and devoted significant resources to ensure the coding meets the standards and expectations of the Administration for Children and Families. Issues identified during the test and validation phases of this work resulted in the need for recoding of some data elements, impacting the timeline for completion. The Department will continue to devote resources from the Division of Social Services, the Information Technology Division, and the North Carolina Families Accessing Services through Technology (NC FAST) section to complete the work.</p>

93.667 SOCIAL SERVICES BLOCK GRANT

III. Federal Award Findings and Questioned Costs

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2019-057	Subrecipient <u>Monitoring:</u> Significant Deficiency	<p><u>Subrecipient Monitoring Procedures Need Improvement</u></p> <p>The Department did not adequately monitor subrecipients⁸² of the Social Services Block Grant (SSBG). During the audit period, the Department provided⁸³ \$60.8 million in SSBG funds to subrecipients.</p> <p>The Department did not monitor all counties that were required to have a site-visit during the audit period. Fifty-one counties that received SSBG funds were scheduled to have a site visit during the audit period. Site visits were not performed for six (12%) of those counties.</p> <p>Additionally, auditors reviewed the subaward documentation⁸⁴ of all 117 subrecipients that received a subaward during the audit period and noted that the subaward documentation for eight (7%) subrecipients were missing some or all of the following required federal award information:</p> <ul style="list-style-type: none"> • Subrecipient’s Unique Entity Identifier • Federal Award Identification Number (FAIN) • Identification of whether the award is research and development • Indirect Cost Rate for the Federal Award • Federal Award Date • Federal Award Project Description • Name of Federal Awarding Agency • CFDA Number <p>Inadequate monitoring procedures increased the risk that the Department would not detect if SSBG funding was not used in accordance with the federal requirements.</p> <p>According to the Department, the inadequate monitoring occurred for various reasons.</p>

⁸² Subrecipients are counties, Local Management Entities (LME’s), and non-governmental entities that use SSBG funds to provide a variety of services for individuals and families.

⁸³ The Department provides SSBG funds to subrecipients through the following Divisions: Division of Social Services, Division of Aging and Adult Services, and the Division of Mental Health/Development Disabilities/Substance Abuse Services.

⁸⁴ Contracts and/or allocation memorandums are used to communicate the federal award information.

93.667 SOCIAL SERVICES BLOCK GRANT (continued)

III. Federal Award Findings and Questioned Costs

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The required site visits were not performed because:

- For five counties, the Division of Social Services was understaffed. Significant turnover during the audit period reduced the number of staff available to carry out the monitoring efforts for the program.
- For the remaining county, there was an oversight by the Division of Aging and Adult Services (DAAS). The county was scheduled for a site visit in June 2019; however, the visit did not occur until after the state fiscal year had ended.

The required federal award information was not communicated because:

- For seven subrecipients, the Division of Mental Health/Development Disabilities/Substance Abuse Services management did not know that the links provided in the subaward documentation did not include references to the omitted elements.
- For the remaining subrecipient, new staff within the DAAS were unaware of the elements that were required to be included in the subaward documentation.

Federal regulations⁸⁵ require the Department to monitor the activities of its subrecipients as necessary to ensure that the subaward was used for authorized purposes, in compliance with the Federal statutes, regulations, and the terms and conditions of the subaward; and that performance goals are achieved.

Further, federal regulations⁸⁶ require the department to clearly identify the award as a subaward and include specific federal award information at the time of the subaward.

Federal Award Information: Federal Awarding Agency: U.S. Department of Health and Human Services; CFDA Number (title): 93.667 (Social Services Block Grant); Federal Award Numbers (award periods): G-1801NCSOSR (October 1, 2017 – September 30, 2019) and G-1901NCSOSR (October 1, 2018 – September 30, 2020).

Recommendation: Department management should ensure that adequate resources are provided and appropriate priority is placed on performing monitoring visits and communicating the required federal award information to subrecipients.

⁸⁵ 2 CFR 200.331(d)

⁸⁶ 2 CFR 200.331(a)(1) – provides the complete list of the required information that should be communicated to subrecipients.

93.667 SOCIAL SERVICES BLOCK GRANT (continued)

III. Federal Award Findings and Questioned Costs

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	Additionally, Department management should test the links in the contracts and allocation memorandums to ensure they include all required federal award information in their subrecipient subaward documentation.
	<i>Agency Response:</i> The Department agrees with the finding and will implement corrective action plans to ensure subrecipient monitoring processes are efficient and effective.

93.778 MEDICAL ASSISTANCE PROGRAM

III. Federal Award Findings and Questioned Costs

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2019-058	<u>Activities Allowed or Unallowed:</u>	<u>Errors in Medicaid Provider Billing and Payment Process</u>
	Significant Deficiency	The Department made an estimated \$71.4 million net overpayment to Medicaid providers during state fiscal year 2019. During that period, the Department processed more than 59 million payments for fee-for-service claims totaling \$7.99 billion.
	<u>Allowable Costs/ Cost Principles:</u>	
	Significant Deficiency	Auditors reviewed a statistical sample of 694 ⁸⁷ fee-for-service payments totaling approximately \$21.1 million and identified 20 (2.9%) payments that contained errors. Specifically:
	<u>Eligibility:</u>	
	Significant Deficiency	<ul style="list-style-type: none"> • Twelve (1.7%) claims contained medical coding errors which impacted the payment calculation. The result was a net overpayment of \$17,125 (federal share \$11,485). • Eight (1.2%) claims lacked documentation to support the services rendered by the provider. The result was a net overpayment of \$7,246 (federal share \$4,866).
	Questioned Cost Finding	
	\$16,351	
	05-1805NC5MAP - (\$2,500)	
	15-1905NC5MAP - \$18,851	As a result of the errors identified, the Department could have overpaid providers an estimated \$71.4 million ⁸⁸ in Medicaid funds that could have been used to provide additional services to other eligible beneficiaries or reduce overall program costs. Additionally, the federal share (\$16,351) of the errors is considered questioned costs ⁸⁹ .
		According to the Department, the documentation and coding errors were due to clerical errors and inadequate documentation being kept by the health care providers.
		Federal regulations ⁹⁰ require costs to be adequately documented; authorized; necessary and reasonable; and be consistent with program regulations that apply to the federal award. Additionally, providers sign an agreement ⁹¹ that

⁸⁷ The 694 items reviewed included 26 items that were deemed significant. These items were tested 100% and removed from the population. The other 668 items were selected from the remaining population using stratified variable sampling.

⁸⁸ When the errors found in the sample are projected to the sample population, the most likely total errors are \$71.4 million in net overpayments. When the errors are evaluated at a 90% confidence interval, the results are unlikely to be less than an underpayment of \$116 million or more than an overpayment of \$259 million.

⁸⁹ 2 CFR 200.516(a)(3) requires auditors to report known questioned costs when likely questioned costs are greater than \$25,000.

⁹⁰ 2 CFR 200.403

⁹¹ In accordance with 42 CFR 431.107

93.778 MEDICAL ASSISTANCE PROGRAM (continued)

III. Federal Award Findings and Questioned Costs

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	<p>requires them to maintain records disclosing the extent of services furnished to recipients and, on request, furnish the records to the Department.</p> <p>This finding was previously reported in the 2018 Statewide Single Audit as finding number 2018-025.</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Health and Human Services; CFDA Number (title): 93.778 (Medical Assistance Program (Medicaid; Title XIX)); Federal Award Numbers (award periods): 05-1705NC5MAP (October 1, 2017 - September 30, 2018) and 05-1805NC5MAP (October 1, 2018 to September 30, 2019).</p> <p><i>Recommendation:</i> Department management should analyze each error and take immediate and appropriate corrective action including, but not limited to, education of providers and on-site or focused reviews.</p> <p>Identified over and underpaid claims should be followed-up for timely and appropriate collection or payment.</p> <p><i>Agency Response:</i> The Department agrees with this finding. The Department is dedicated to claims payment accuracy and continues to work with providers to minimize errors in the claims payment process. We are pleased that the Department's efforts have resulted in a .89% error rate⁹², which is well below the Centers for Medicare and Medicaid Services Payment Error Rate Measurement (PERM) error rate goal for NC of 3.2%. The Department will analyze each error and take immediate and appropriate corrective action, including recouping any overpayments identified as questioned costs.</p>
<p>2019-059</p> <p><u>Allowable Costs/ Cost Principles:</u></p> <p>Significant Deficiency</p> <p>Questioned Cost Finding</p> <p>\$6,429,812</p>	<p><u>Medicaid Disproportionate Share Hospital Payment Made Incorrectly</u></p> <p>The Department made a \$9.5 million federal Medicaid Disproportionate Share Hospital (DSH) payment⁹³ to an ineligible facility. During state fiscal year 2019, the Department paid approximately \$2.5 billion in Medicaid DSH payments to 110 facilities.</p>

⁹² CMS calculates the PERM error rate as projected dollars in error divided by projected payments. In the report, the Office of the State Auditor projects \$71.4 million in error across \$7.99 billion in payments, yielding an error rate of .89%.

⁹³ DSH payments provide financial assistance to hospitals that serve a large number of low-income patients, such as people with Medicaid or the uninsured. Hospitals may be eligible to receive DSH payments from state funds, federal Medicaid funds, or a combination of both.

93.778 MEDICAL ASSISTANCE PROGRAM (continued)

III. Federal Award Findings and Questioned Costs

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	<p>Auditors tested 100% of the federal DSH payments made during the audit period. A state operated Alcohol and Drug Abuse Treatment Center (ADATC⁹⁴) received a payment from the federal Medicaid DSH Institution for Mental Disease (IMD) allotment when it was not eligible.</p> <p>As a result, \$9,510,150 (\$6,429,812 federal share) was not available for allocation to other IMD facilities that were eligible to receive the federal funds. The federal share of the improper payment is considered questioned cost.</p> <p>According to the Department, the ineligible payment occurred due to a clerical error. The Division of Health Benefits (Division) prepares spreadsheets to calculate DSH payments and the allocation of the IMD DSH allotment to State facilities. The eligibility spreadsheet correctly noted that this ADATC was not eligible to receive a federal DSH payment. During the transfer of information from the eligibility spreadsheet to the IMD allocation spreadsheet (used to remit DSH payments to IMD facilities), this payment was inadvertently allocated to an ineligible IMD facility and management’s review did not detect it.</p> <p>Federal law⁹⁵ allows states to spend some of their DSH funds on IMD Services. The North Carolina Medicaid State Plan limits these payments to IMD facilities that have an inpatient utilization rate of not less than 1%. The state operated ADATC that received the payment had an inpatient utilization rate of less than 1% and therefore was not eligible to receive the federal DSH payment.</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Health and Human Services; CFDA Number (title): 93.778 (Medical Assistance Program (Medicaid; Title XIX)); Federal Award Number (award period): 05-1805NC5MAP (October 1, 2017 - September 30, 2018).</p> <p><i>Recommendation:</i> Department management should strengthen their review procedures over the payments to ensure that federal DSH payments are only made to eligible facilities.</p> <p><i>Agency Response:</i> The Department agrees with this finding. As noted, the finding was due to a clerical error in processing the payments. The Department enhanced the payment calculation and review procedures to ensure federal DSH payments are only made to eligible facilities for the applicable year.</p>

⁹⁴ There are three state operated ADATC’s which are IMD’s that are specifically designed to provide inpatient treatments, psychiatric stabilization and medical detoxification for individuals with substance use and other co-occurring mental health diagnoses.

⁹⁵ 42 USC 1396a(a)(1) and 1396r-4

93.778 MEDICAL ASSISTANCE PROGRAM (continued)

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2019-060	<p>Additionally, the Department invoiced and received the \$9,510,151 in Federal Fiscal Year (FFY) 2018 State IMD DSH payments back from the ineligible State ADATC and reallocated all of it to the State IMD hospitals eligible to receive payment from the FFY2018 State IMD DSH allotment.</p>
<p><u>Allowable Costs/ Cost Principles:</u></p>	<p><u>Lack of Quality Assurance Procedures Increased Risk of Undetected Errors</u></p>
<p>Significant Deficiency</p>	<p>The Department does not have written monitoring procedures in place for some contractors who help ensure that Medicaid services, products and procedures are medically necessary.</p>
<p><u>Special Tests and Provisions:</u></p>	<p>There are five contractors who help ensure that Medicaid services, products, and procedures provided to recipients are medically necessary. Auditors found that the Department does not have written quality assurance monitoring procedures for four of the contractors.</p>
<p>Significant Deficiency</p>	<p>Because the Department did not have written monitoring procedures they cannot ensure that these contractors are effectively monitored. This would include monitoring the contractors' process of reviewing documentation to support medical necessity. According to the Department, approximately \$2.5 billion is paid annually for services that require prior approval. Without these monitoring procedures, there is an increased risk that errors (i.e. services rendered that would have been denied) could have occurred and remained undetected.</p>
	<p>According to the Department, they did not realize there was a need to develop written monitoring procedures for all of their prior approval contractors. Although the 2018 Single Audit reported that the Department did not have monitoring procedures for these four contractors, the report specifically named one contractor (finding 2018-026), so the Department worked on developing written monitoring procedures for only the one. Written procedures were not developed for the other prior approval contractors.</p>
	<p>In accordance with Session Law 2010-194, the NC Department of Administration has established rules and regulations which specify the manner in which State agencies shall monitor and enforce the terms of contracts. The State's Contract and Procurement Office's Contract Administration Guide (Guide) includes a Contract Monitoring Checklist which states that it is the responsibility of each agency to ensure all contractual obligations are met and</p>

93.778 MEDICAL ASSISTANCE PROGRAM (continued)

III. Federal Award Findings and Questioned Costs

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	<p>that contract monitoring is documented which includes having written documented contract monitoring procedures and methodology⁹⁶.</p> <p>Furthermore, federal regulations⁹⁷ require the Department to “establish and maintain effective internal control over the federal award that provides reasonable assurance that the Department is managing the program in compliance with federal statutes, regulations, and the terms and conditions of the federal award.” Establishing written quality assurance monitoring procedures would be an effective control over compliance.</p> <p>Certain aspects of this finding were previously reported in the 2018 Statewide Single Audit as finding number 2018-026.</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Health and Human Services; CFDA Number (title): 93.778 (Medical Assistance Program (Medicaid; Title XIX)); Federal Award Numbers (award periods): 05-1805NC5MAP (October 1, 2017 - September 30, 2018) and 05-1905NC5MAP (October 1, 2018 – September 30, 2019).</p> <p><i>Recommendation:</i> Department management should prioritize developing written quality assurance monitoring procedures for all contractors who help ensure that Medicaid services, products and procedures are medically necessary.</p> <p><i>Agency Response:</i> The Department agrees with this finding. The opportunity exists to enhance documentation enumerating the monitoring procedures for contracted vendors which provide prior approval of Medicaid services. Documentation for two of the vendors is currently in place and contains the required monitoring plan language criteria. Documentation for the remaining three vendors contains much of the required monitoring language criteria but not all. The Department is formalizing the monitoring plans to ensure all missing criteria are added and enhancing the monitoring procedures where necessary. Despite the gaps in the documentation, monitoring activities for four of the five vendors were conducted during the state fiscal year. While it is not certain that lack of documentation had an impact on funds paid for prior authorized services, the updated monitoring plans will ensure the vendors are reviewing and approving prior authorizations in accordance with the Department’s requirements.</p>

⁹⁶ <https://files.nc.gov/ncdoa/pandc/Documents/Contract-Administration-and-Monitoring-Guide/Contract-Administration-Guide.pdf>

⁹⁷ 2 CFR 200.303 - Internal controls

93.778 MEDICAL ASSISTANCE PROGRAM (continued)**III. Federal Award Findings and Questioned Costs**

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2019-061	<u>Allowable Costs/ Cost Principles:</u> Significant Deficiency <u>Special Tests and Provisions:</u> Significant Deficiency	<u>Deficiencies in System Access</u> The results of our audit disclosed security deficiencies considered reportable under generally accepted <i>Government Auditing Standards</i> . These deficiencies are reported to the Department by separate letter in accordance with these standards. These items should be kept confidential as provided by <i>North Carolina General Statute 132-6.1(c)</i> . <i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Health and Human Services; CFDA Number (title): 93.778 (Medical Assistance Program (Medicaid; Title XIX)); Federal Award Numbers (award periods): 05-1805NC5MAP (October 1, 2017 - September 30, 2018) and 05-1905NC5MAP (October 1, 2018 – September 30, 2019). <i>Agency Response:</i> The Department agrees with the finding. The Department is committed to maintaining adequate information security and system access controls. The Department has designed and/or implemented corrective actions to address the risks identified in this audit. These corrective actions were detailed in a response separately submitted to the State Auditor. Security risks are given the highest priority by the Department and corrective actions will be monitored.
2019-062	<u>Allowable Costs/ Cost Principles:</u> Significant Deficiency <u>Special Tests and Provisions:</u> Significant Deficiency	<u>Deficiencies in the Medicaid Provider Enrollment and Termination Process</u> The Department did not adequately monitor the work of a contractor who ensures that providers are eligible to participate in the Medicaid program. The Department paid approximately \$11.4 billion to 18,301 providers during the fiscal year ended June 30, 2019. The Division of Health Benefits (DHB) ⁹⁸ has contracted with General Dynamics Information Technology (GDIT) to ensure that providers have the required licenses and are eligible to participate in the Medicaid program. An approved contract monitoring plan outlines specific GDIT activities that should be monitored by the Department and the established frequency. DHB did not monitor GDIT in accordance with the approved monitoring plan. Specifically:

⁹⁸ The Division of Health Benefits is the division within the Department responsible for administering the Medicaid program.

93.778 MEDICAL ASSISTANCE PROGRAM (continued)**III. Federal Award Findings and Questioned Costs**

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	<ul style="list-style-type: none"> For nine months, DHB reviewed two to four Licensing Board reports⁹⁹ per month when the monitoring plan required them to review five. For the month of September 2018, DHB reviewed 21 applications¹⁰⁰ when the monitoring plan required 50 to be reviewed. From July to December 2018, DHB did not perform the monthly reviews of the CMS logs¹⁰¹.
	<p>Without effective monitoring, there is an increased risk that the Department would not detect ineligible providers that are being paid for treating Medicaid recipients. In fact, due to the lack of monitoring, auditors found the following issues for enrolled providers:</p>
	<ul style="list-style-type: none"> One pharmacy provider failed to disclose sanctions related to unlawfully dispensing and shipping controlled substance prescriptions into other states without a permit. The sanctions were not properly evaluated to determine if the provider was still eligible to participate in the Medicaid program. The Department paid this provider \$74,000 during the audit period. Twelve providers with licenses, suspended, surrendered or revoked were not properly terminated in the Medicaid processing system. These providers did not receive any payments during the audit period.
	<p>According to Department management, GDIT was not monitored in accordance with the approved monitoring plan because the DHB staff that were responsible for the monitoring became part of the Managed Care¹⁰² transition project team and the Department did not allocate additional resources to ensure that GDIT would continue to be adequately monitored.</p>
	<p>Federal regulations¹⁰³ require the agency to “establish and maintain effective internal control over the federal award that provides reasonable assurance that the Department is managing the program in compliance with federal statutes, regulation, and the terms and conditions of the federal award”. Following</p>

⁹⁹ All North Carolina Licensing Boards provide a distribution list of any actions against professional providers.

¹⁰⁰ New providers submit applications to enroll in the Medicaid program while existing providers submit applications for reverification every five years.

¹⁰¹ The U.S. Centers for Medicare and Medicaid (CMS) compiles a list of providers that have been sanctioned which prohibits them from being eligible to participate in the Medicaid Program.

¹⁰² Session Law - 2015-245 - An act to transform and reorganize North Carolina's Medicaid and NC Health Choice programs.

¹⁰³ 2 CFR 200.303 – Internal controls

93.778 MEDICAL ASSISTANCE PROGRAM (continued)

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	<p>internally developed monitoring procedures would be an effective control over compliance.</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Health and Human Services; CFDA Number (title): 93.778 (Medical Assistance Program (Medicaid; Title XIX)); Federal Award Numbers (award periods): 05-1805NC5MAP (October 1, 2017 - September 30, 2018) and 05-1905NC5MAP (October 1, 2018 – September 30, 2019).</p> <p><i>Recommendation:</i> Department management should allocate the necessary resources to DHB to ensure that GDIT is monitored in accordance with the approved monitoring plan.</p> <p><i>Agency Response:</i> The Department agrees with this finding. The preparation for the transition to Managed Care required additional staffing resources that were not made available to the Department. As a result, Managed Care transformation activities were prioritized against daily operational tasks. In order to free up resources for Managed Care transition, the Department adjusted daily tasks such as reducing monitoring sample sizes, increasing staff workloads and suspending certain work efforts. Additionally, key supervisory staff were required to prioritize Managed Care activities over some daily, operational activities. As a result, supervisory monitoring of some daily operational activities, like the one identified in the audit finding, did not always occur in a timely or effective manner. When the work effort for Managed Care transformation slows (e.g. due to the temporary suspension), the Department adjusts staff priorities to address gaps created in daily operational tasks and takes necessary steps to ensure commitments are fulfilled.</p> <p>The Department reviewed the management monitoring plans noted in the finding and updated the plans to ensure monitoring requirements are clear and achievable with minimal staff.</p>
<p>2019-063</p> <p><u>Eligibility:</u></p> <p>Significant Deficiency</p> <p>Questioned Cost Finding</p> <p>\$41,050</p> <p>05-1805NC5MAP - \$8,030</p>	<p><u>Deficiencies in the Medicaid Eligibility Determination Process</u></p> <p>The Department made \$61,044 in Medical Assistance Program (Medicaid) payments to providers for ineligible beneficiaries based on inaccurate and inadequately documented eligibility determinations. During the audit period, approximately 2.1 million beneficiaries received \$11.4 billion in Medicaid benefits.</p>

93.778 MEDICAL ASSISTANCE PROGRAM (continued)**III. Federal Award Findings and Questioned Costs**

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For the Fiscal Year Ended June 30, 2019

Type of Finding/ Questioned Costs	Findings and Recommendations
05-1905NC5MAP - \$33,020	<p>The task of determining eligibility for the Medicaid program has been delegated to the county departments of social services (DSS)¹⁰⁴. However, the Department was responsible for ensuring compliance with the eligibility requirements.</p> <p>Auditors reviewed the client case files for a statistical sample of 633 beneficiaries and found one or more errors in 13 (2.05%) cases. Specifically:</p> <ul style="list-style-type: none"> • Four (0.63%) beneficiaries were found to be ineligible during the coverage period. This was due to inaccurate eligibility determination calculations, inaccurate eligibility category, and inaccurate patient medical liability¹⁰⁵. Payments totaling \$60,910 (federal share \$40,960) were paid on behalf of these ineligible beneficiaries. • One (0.16%) beneficiary was eligible during the coverage period, however an error was made in the determination of the patient medical liability amount for three months of the coverage period. The Department paid \$134 (federal share \$90) because of this error. • Eight (1.26%) client files were missing some of the required eligibility documentation. Examples of missing information included proof of residency, online verification documentation, and reasons for forced eligibility¹⁰⁶. Further, some income calculations were inaccurate. However, when auditors redetermined eligibility using updated information, the beneficiary was eligible. <p>As a result, there is an increased cost for the Medicaid Program for both the State and federal government. The program is jointly financed by these two governments, and is administered by the State. In addition, the federal share of \$41,050 that was paid on behalf of ineligible beneficiaries is considered questioned costs¹⁰⁷.</p> <p>Although \$61,044 resulted from the errors identified, the amount of Medicaid funds paid on behalf of ineligible beneficiaries is likely greater. Self-attestation by applicants is accepted for certain elements of the Modified Adjusted Gross</p>

¹⁰⁴ North Carolina General Statute §108A-25(b).

¹⁰⁵ The Patient liability share is the amount that the Medicaid beneficiary is required to pay each month.

¹⁰⁶ Forced eligibility is the manual process of determining eligibility outside of NC FAST. It is considered risky because the business rules of the eligibility process are not considered.

¹⁰⁷ 2 CFR 200.516(a)(3) requires auditors to report known questioned costs that are greater than \$25,000 for a type of compliance requirement for a major program.

93.778 MEDICAL ASSISTANCE PROGRAM (continued)

III. Federal Award Findings and Questioned Costs

U.S. Department of Health and Human Services

N.C. Department of Health and Human Services

For the Fiscal Year Ended June 30, 2019

Type of Finding/ Questioned Costs	Findings and Recommendations
	<p>Income methodology of determining eligibility¹⁰⁸. Further verification or documentation is not required. Auditors tested participant eligibility using the documentation contained in the case files, which includes self-attested data that could not be verified by the auditors.</p> <p>According to the Department, the eligibility errors occurred because of inaccurate application of established policies by the county DSS staff. The county DSS staff utilize NC FAST¹⁰⁹ to input data and make eligibility determinations, however, the Department is responsible for establishing the eligibility determination policies, maintain NC FAST, and training the county DSS staff.</p> <p>Federal regulations¹¹⁰ require that the Department, or its designee, determine client eligibility for all individuals applying for or receiving benefits in accordance with eligibility requirements defined in the approved State plan.</p> <p>Further, federal regulations¹¹¹ require that documentation be obtained as needed to determine if a beneficiary meets specific income standards and documentation must be maintained to support eligibility determinations.</p> <p>This finding was previously reported in the 2018 Statewide Single Audit as finding number 2018-028.</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Health and Human Services; CFDA Number (title): 93.778 (Medical Assistance Program (Medicaid; Title XIX)); Federal Award Numbers (award periods): 05-1805NC5MAP (October 1, 2017 - September 30, 2018) and 05-1905NC5MAP (October 1, 2018 – September 30, 2019).</p> <p><i>Recommendation:</i> Department management should provide adequate training and retraining as necessary to ensure that county DSS staff perform Medicaid eligibility determinations correctly.</p> <p><i>Agency Response:</i> The Department agrees with this finding and is pleased that the 97.95% accuracy rate noted in this audit exceeds the established 96.8%</p>

¹⁰⁸ Approximately \$4.0 billion, or 35%, of total Medicaid benefit expenditures were for beneficiaries whose eligibility was determined via the MAGI methodology.

¹⁰⁹ The North Carolina Families Assessing Services through Technology (NC FAST) is the eligibility system used in the Medicaid program.

¹¹⁰ 42 CFR 431.10(b)(3)

¹¹¹ 42 CFR 435

93.778 MEDICAL ASSISTANCE PROGRAM (continued)

III. Federal Award Findings and Questioned Costs

U.S. Department of Health and Human Services

N.C. Department of Health and Human Services

For the Fiscal Year Ended June 30, 2019

Type of Finding/ Questioned Costs	Findings and Recommendations
	<p>accuracy standard set by the Department (in line with CMS standards¹¹²) for eligibility determinations. The Department is continuing to work with the county Departments of Social Services (DSS) to strengthen the accuracy of eligibility determinations. The Department recognizes the tremendous improvement in performance by the counties' staff.</p> <p>We also recognize that there is still more work to be done. As part of ongoing efforts to improve oversight and collaboration with county DSS staff, the Department implemented the Recipient Eligibility Determination Audits (REDA) program in 2019 and in 2020 will implement the county staff certification program for NC FAST.</p> <p>While the audit sample included eligibility determinations from 89 of the 100 North Carolina counties, the 13 errors noted in the audit report occurred across only 10 counties. The Department will follow-up on each of the errors with the indicated counties and take appropriate corrective action.</p>
<p>2019-064 <u>Special Tests and Provisions:</u> Significant Deficiency</p>	<p><u>Business Continuity and Disaster Recovery Plan Not Tested</u></p> <p>The results of our audit disclosed security deficiencies considered reportable under generally accepted <i>Government Auditing Standards</i>. These deficiencies are reported to the Department by separate letter in accordance with these standards. These items should be kept confidential as provided by <i>North Carolina General Statute 132-6.1(c)</i>.</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Health and Human Services; CFDA Number (title): 93.778 (Medical Assistance Program (Medicaid; Title XIX)); Federal Award Numbers (award periods): 05-1805NC5MAP (October 1, 2017 – September 30, 2018) and 05-1905NC5MAP (October 1, 2018 – September 30, 2019).</p> <p><i>Agency Response:</i> The Department agrees with the finding. The Department is committed to maintaining adequate information security and system access controls. The Department has designed and/or implemented corrective actions to address the risks identified in this audit. These corrective actions were detailed in a response separately submitted to the State Auditor. Security risks are given the highest priority by the Department and corrective actions will be monitored.</p>

¹¹² The CMS PERM FY16 Medicaid Corrective Action Plan for North Carolina sets a target fee-for-service payment error rate of 3.2% yielding a 96.8% accuracy rate.

93.778 MEDICAL ASSISTANCE PROGRAM (continued)**III. Federal Award Findings and Questioned Costs**

U.S. Department of Health and Human Services

N.C. Department of Health and Human Services

For the Fiscal Year Ended June 30, 2019

	Type of Finding/ Questioned Costs	Findings and Recommendations
2019-065	<u>Special Tests and Provisions:</u> Significant Deficiency	<u>Delayed Remediation of Weaknesses</u> The results of our audit disclosed security deficiencies considered reportable under generally accepted <i>Government Auditing Standards</i> . These deficiencies are reported to the Department by separate letter in accordance with these standards. These items should be kept confidential as provided by <i>North Carolina General Statute 132-6.1(c)</i> . <i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Health and Human Services; CFDA Number (title): 93.778 (Medical Assistance Program (Medicaid; Title XIX)); Federal Award Numbers (award periods): 05-1805NC5MAP (October 1, 2017 – September 30, 2018) and 05-1905NC5MAP (October 1, 2018 – September 30, 2019). <i>Agency Response:</i> The Department agrees with the finding. The Department is committed to maintaining adequate information security and system access controls. The Department has designed and/or implemented corrective actions to address the risks identified in this audit. These corrective actions were detailed in a response separately submitted to the State Auditor. Security risks are given the highest priority by the Department and corrective actions will be monitored.
2019-066	<u>Special Tests and Provisions:</u> Significant Deficiency	<u>Delayed Remediation of Weaknesses</u> The results of our audit disclosed security deficiencies considered reportable under generally accepted <i>Government Auditing Standards</i> . These deficiencies are reported to the Department by separate letter in accordance with these standards. These items should be kept confidential as provided by <i>North Carolina General Statute 132-6.1(c)</i> . <i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Health and Human Services; CFDA Number (title): 93.778 (Medical Assistance Program (Medicaid; Title XIX)); Federal Award Numbers (award periods): 05-1805NC5MAP (October 1, 2017 – September 30, 2018) and 05-1905NC5MAP (October 1, 2018 – September 30, 2019). <i>Agency Response:</i> The Department agrees with the finding. The Department is committed to maintaining adequate information security and system access controls. The Department has designed and/or implemented corrective actions to address the risks identified in this audit. These corrective actions were detailed in a response separately submitted to the State Auditor. Security risks are given the highest priority by the Department and corrective actions will be monitored.

93.788 STATE TARGETED RESPONSE TO THE OPIOID CRISIS

III. Federal Award Findings and Questioned Costs

U.S. Department of Health and Human Services

N.C. Department of Health and Human Services

For the Fiscal Year Ended June 30, 2019

	Type of Finding/ Questioned Costs	Findings and Recommendations
2019-067	Subrecipient <u>Monitoring:</u> Significant Deficiency	<p><u>Subrecipient Monitoring Procedures Need Improvement</u></p> <p>The Department did not adequately monitor subrecipients¹¹³ of the Opioid State Targeted Response (Opioid) grant. During the audit period, the Department provided \$25.5 million in Opioid funds to subrecipients.</p> <p>The Division of Mental Health/Development Disabilities/Substance Abuse Services¹¹⁴ (Division) did not review the supporting documentation for expenditures made from Opioid funding in the annual monitoring visits of the seven Local Management Entity-Managed Care Organizations¹¹⁵ (LME- MCO).</p> <p>Additionally, we reviewed the subaward documentation¹¹⁶ for all 12 subrecipients that received a subaward during the audit period and noted that the documentation for seven (58%) subrecipients did not include the following required federal award information:</p> <ul style="list-style-type: none"> • Subrecipient’s Unique Entity Identifier • Federal Award Identification Number (FAIN) • Identification of whether the award is research and development • Indirect Cost Rate for the federal award <p>Inadequate monitoring increased the risk that the Department would not detect if Opioid funds were not used in accordance with the federal requirements.</p> <p>According to the Department, they did not review the supporting documentation for Opioid expenditures during the annual monitoring visit because the LME-MCO site visit monitoring procedures were not updated. The Division received the first Opioid grant in state fiscal year 2017. However, they did not update their site visit monitoring procedures to include the Opioid program, which could have directed them to review the LME-MCO’s financial and programmatic records to support the Opioid funds received.</p> <p>Further, the Department did not communicate all of the required federal award information to its subrecipients because Division management did not know that</p>

¹¹³ Subrecipients are LME-MCOs and non-governmental entities that use Opioid grant funds to address the opioid epidemic by increasing access to treatment.

¹¹⁴ The Division of Mental Health/Development Disabilities/Substance Abuse Services is the Division within the Department that is responsible for administering the Opioid grant award.

¹¹⁵ LME-MCO’s are quasi-governmental entities that contract with the Department to provide management and oversight of the public system of mental health, developmental disabilities, and substance abuse services at the community level.

¹¹⁶ Contracts and/or allocations memorandums are used to communicate the federal award information.

93.788 STATE TARGETED RESPONSE TO THE OPIOID CRISIS (continued)

III. Federal Award Findings and Questioned Costs

U.S. Department of Health and Human Services
 N.C. Department of Health and Human Services
 For the Fiscal Year Ended June 30, 2019

Type of Finding/ Questioned Costs	Findings and Recommendations
	<p>the links provided in the subaward documents did not include references to the omitted elements.</p> <p>Federal regulations¹¹⁷ require the Department to monitor the activities of its subrecipients as necessary to ensure that the subaward was used for authorized purposes, in compliance with the Federal statutes, regulations, and the terms and conditions of the subaward; and that performance goals are achieved.</p> <p>Further, federal regulations¹¹⁸ require the department to clearly identify the award as a subaward and include specific federal award information at the time of the subaward.</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Health and Human Services; CFDA Number (title): 93.788 (Opioid State Targeted Response); Federal Award Numbers (award periods): T1080257 (May 1, 2017 – January 31, 2020) and H79T1081710 (September 30, 2018 – September 29, 2020).</p> <p><i>Recommendation:</i> Department management should modify their subrecipient site visit monitoring procedures as necessary when new sources of funding are provided to their subrecipients.</p> <p>Additionally, Department management should test the links in the contracts and allocation memorandums to ensure they include all required federal award information in their subrecipient subaward documentation.</p> <p><i>Agency Response:</i> The Department agrees with the finding. The Office of the State Auditor (OSA) is correct that the Opioid grant was not included in the LME/MCO Annual Systems Performance Review (ASPR) for SFY 2019. While the ASPR is an important part of DMH/DD/SAS’s grant oversight, it is not the only tool used. Specifically, the ASPR occurs annually and at a single point in time. However, throughout SFY 2019, DMH/DD/SAS engaged in ongoing, meaningful programmatic and budgetary monitoring of the Opioid grant funds. Nonetheless, the Department recognizes the need to include the Opioid grant in the ASPR cycle. Therefore, it will be included in the ASPR for state fiscal year 2020.</p> <p>Further, the Department has taken corrective actions as of September 1, 2019 to include all required federal award information and/or all grant-required data elements in the award letters to its subrecipients. The Department has updated processes to ensure this federal requirement is met.</p>

¹¹⁷ 2 CFR 200.331(d)

¹¹⁸ 2 CFR 200.331(a)(1) – provides the complete list of the required information that should be communicated to subrecipients.

93.925 SCHOLARSHIPS FOR HEALTH PROFESSIONS STUDENTS FROM DISADVANTAGED BACKGROUNDS – SCHOLARSHIPS FOR DISADVANTAGED STUDENTS

III. Federal Award Findings and Questioned Costs

U.S. Department of Health and Human Services

Winston-Salem State University

For the Fiscal Year Ended June 30, 2019

	Type of Finding/ Questioned Costs	Findings and Recommendations
2019-068	Cash <u>Management:</u> Significant Deficiency	<u>Deficiencies in Cash Management</u> The University requested and received federal student financial aid funds that exceeded the immediate need of students, and held a balance of these excess funds in violation of federal requirements. During the fiscal year ended June 30, 2019, the University requested approximately \$52.2 million in financial aid subject to the requirements. See finding 2019-010 for a description.

93.959 BLOCK GRANTS FOR PREVENTION AND TREATMENT OF SUBSTANCE ABUSE

III. Federal Award Findings and Questioned Costs

U.S. Department of Health and Human Services

N.C. Department of Health and Human Services

For the Fiscal Year Ended June 30, 2019

	Type of Finding/ Questioned Costs	Findings and Recommendations
2019-069	Subrecipient <u>Monitoring:</u> Significant Deficiency	<p><u>Subrecipient Monitoring Needs Improvement</u></p> <p>The Department did not adequately monitor subrecipients¹¹⁹ of the Block Grants for Prevention and Treatment of Substance Abuse (SABG). During the audit period, the Department provided \$36.4 million in SABG funds to subrecipients.</p> <p>The Division of Mental Health/Development Disabilities/Substance Abuse Services¹²⁰ (Division) did not perform timely settlement reviews at the seven Local Management Entity-Managed Care Organizations¹²¹ (LME-MCOs). The settlement reviews that were performed during the audit period were for SFY 2015 and 2016 instead of the state fiscal year that had most recently ended, which was 2018. Settlement reviews are required annually and gives the Division the opportunity to review supporting documentation of the prior state fiscal year (SFY) expenditures.</p> <p>Additionally, we reviewed the subaward documentation¹²² for all 17 subrecipients that received a subaward during the audit period and noted that the documentation for nine (53%) subrecipients were missing some or all of the following required federal award information:</p> <ul style="list-style-type: none"> • Subrecipient's Unique Entity Identifier • Federal Award Identification Number (FAIN) • Identification of whether the award is research and development • Indirect Cost Rate for the federal award • Federal Award Project Description • Name of the Federal Awarding Agency • CFDA Number and Name • Amount of Federal Funding obligated to the subrecipient

¹¹⁹ Subrecipients are LME-MCOs and non-governmental entities that use SABG funds to plan, implement and evaluate activities that prevent and treat substance abuse and promote public health.

¹²⁰ The Division of Mental Health/Development Disabilities/Substance Abuse Services is the division within the Department that is responsible for administering the Block Grant.

¹²¹ LME-MCO's are quasi-governmental entities that contract with the Department to provide management and oversight of the public system of mental health, developmental disabilities, and substance abuse services at the community level.

¹²² Contracts and/or allocations memorandums are used to communicate the federal award information.

93.959 BLOCK GRANTS FOR PREVENTION AND TREATMENT OF SUBSTANCE ABUSE (continued)**III. Federal Award Findings and Questioned Costs**

U.S. Department of Health and Human Services

N.C. Department of Health and Human Services

For the Fiscal Year Ended June 30, 2019

Type of Finding/ Questioned Costs	Findings and Recommendations
	<p>Inadequate monitoring increased the risk that the Department would not detect if SABG funds were not used in accordance with the federal requirements.</p> <p>According to the Department, settlement reviews were not timely because they did not have experienced and knowledgeable staff to perform the reviews. When the Division started performing the settlement reviews in SFY 2010, they were instructed to start with expenditures from SFY 2008 and 2009. The intent was to catch up to the most recent SFY. However, significant staff turnover and difficulties recruiting staff for this specialized work have delayed the Division's plan to get caught up on these reviews.</p> <p>Further, the Department did not communicate all of the required federal award information to its subrecipients because Division management did not know that the links provided in the subaward documents did not include references to the omitted elements.</p> <p>Federal regulations¹²³ require the Department to monitor the activities of its subrecipients as necessary to ensure that the subaward was used for authorized purposes, in compliance with the Federal statutes, regulations, and the terms and conditions of the subaward; and that performance goals are achieved.</p> <p>Further, federal regulations¹²⁴ require the department to clearly identify the award as a subaward and include specific federal award information at the time of the subaward.</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Health and Human Services; CFDA Number (title): 93.959 (Block Grants for Prevention and Treatment of Substance Abuse); Federal Award Numbers (award periods): T1010032-17 (October 1, 2016 – September 30, 2018) and B08T1010032-18 (October 1, 2017 – September 30, 2019).</p> <p><i>Recommendation:</i> Department management should employ multiple measures to ensure compliance. First, management should ensure that staff are properly trained to perform settlement reviews. Second, Department management should monitor the progress of the settlement reviews to ensure that, despite staffing issues, the reviews are performed as required to reduce the risk that federal funds may need to be refunded to the Federal awarding agency if non-compliance goes undetected.</p>

¹²³ 2 CFR 200.331(d)¹²⁴ 2 CFR 200.331(a)(1) – provides the complete list of the required information that should be communicated to subrecipients.

93.959 BLOCK GRANTS FOR PREVENTION AND TREATMENT OF SUBSTANCE ABUSE (continued)

III. Federal Award Findings and Questioned Costs

U.S. Department of Health and Human Services

N.C. Department of Health and Human Services

For the Fiscal Year Ended June 30, 2019

Type of Finding/ Questioned Costs	Findings and Recommendations
	<p>Additionally, Department management should test the links in the contracts and allocation memorandums to ensure they include all required federal award information in their subrecipient subaward documentation.</p> <p><i>Agency Response:</i> The Department agrees with the finding. The Office of the State Auditor (OSA) is correct that DMH/DD/SAS had not completed the relevant settlement audit when this audit was underway. While the settlement audit is an important part of DMH/DD/SAS's grant oversight, it is not the only tool used. Specifically, a final settlement audit occurs after a state fiscal year is over and at a single point in time. However, throughout SFY 2019, DMH/DD/SAS engaged in ongoing, meaningful programmatic, budgetary, and expense monitoring oversight for the Substance Abuse Block Grant (SABG).</p> <p>The Department is committed to administering federal grant awards in compliance with all applicable federal guidance. This finding was due to not having enough staff to perform timely annual settlement reviews at the Local Management Entity-Managed Care Organizations.</p> <p>Prior to OSA's current audit of SABG subrecipient monitoring, the Department enhanced the established subrecipient monitoring plan and the settlement reviews process to ensure the reviews are performed timely. The plan is being implemented expeditiously. The SFY 2018 and SFY 2019 settlement audit cycles are scheduled to begin in early 2020, and the Department is on track to complete those by the end of the current state fiscal year. Also, as part of the review process, supporting documentation for expenditures will be reviewed to ensure federal compliance.</p> <p>The Department implemented corrective actions as of September 1, 2019 to ensure all required federal award information and/or all grant-required data elements are included in the award letters to its subrecipients. In addition, the Department updated processes to ensure this federal requirement is met.</p>

97.036 DISASTER GRANTS – PUBLIC ASSISTANCE (PRESIDENTIALLY DECLARED DISASTERS)

III. Federal Award Findings and Questioned Costs

U.S. Department of Homeland Security

N.C. Department of Public Safety

For the Fiscal Year Ended June 30, 2019

Type of Finding/ Questioned Costs	Findings and Recommendations
2019-070	<u>Inadequate Subrecipient Monitoring</u>
<u>Allowable Costs/ Cost Principles:</u>	
Material Weakness	The Department of Public Safety (Department) did not adequately monitor \$202 million in federal funds passed to state agencies, non-profits, and other organizations (collectively called subrecipients) for disaster relief assistance.
Material Noncompliance	Auditors reviewed a sample of 68 out of 764 payments to subrecipients and found that 11 of 68 (16%) payments were paid without supporting documentation.
<u>Subrecipient Monitoring:</u>	
Material Weakness	Auditors then required the Department to obtain the missing supporting documentation for those 11 payments from the subrecipients. Upon reviewing the support for these 11 payments, auditors discovered that documentation for 6 of the 11 payments did not support the amount paid. Payments totaling \$3,015,348 are being questioned.
Material Noncompliance	
Questioned Cost Finding	In addition, auditors reviewed the monitoring process for all 18 subrecipients that were required to have an audit in accordance with the Uniform Guidance and found that the Department did not obtain or review the audit reports.
\$3,015,348	As a result, the Department may be required to pay \$3,015,348 back to the United States Department of Homeland Security. Furthermore, inadequate monitoring increased the risk that federal funds would not be used in accordance with federal requirements, which could have reduced the funding available for providing disaster relief assistance.
	According to Department management, during the period the errors occurred, there was an unusual high volume of payment requests from subrecipients which resulted in certain payments not being adequately reviewed. In addition, the Department experienced staff turnover during the year which reduced the number of staff who had knowledge and experience with the monitoring requirements.
	However, federal regulations ¹²⁵ required the Department to:
	<ul style="list-style-type: none"> • Monitor the activities of the subrecipient as necessary to ensure that the subaward is used for authorized purposes, in compliance with Federal statutes, regulations, and the terms and conditions of the subaward; and that subaward performance goals are achieved. • Verify that every subrecipient is audited as required.

¹²⁵ 2 CFR 200.331(d) and 2 CFR 200.331(f)

97.036 DISASTER GRANTS – PUBLIC ASSISTANCE (PRESIDENTIALLY DECLARED DISASTERS) (continued)

III. Federal Award Findings and Questioned Costs

U.S. Department of Homeland Security

N.C. Department of Public Safety

For the Fiscal Year Ended June 30, 2019

Type of Finding/ Questioned Costs	Findings and Recommendations
	<p><i>Federal Award Information:</i> Federal Awarding Agency: United States Department of Homeland Security; CFDA Number (title): 97.036 (Disaster Grants – Public Assistance); Federal Award Number (award period): FEMA-4285-DR-NC (beginning October 10, 2016).</p> <p><i>Recommendation:</i> Department management should monitor the volume of payment requests to ensure adequate review during periods of high volume.</p> <p>Additionally, Department management should implement contingency planning to reduce the risk that staff turnover could lead to oversight in monitoring.</p> <p><i>Agency Response:</i> The Department acknowledges OSA's finding and notes most of these payments were transfers to the Department of Transportation (DOT) to repair roads damaged by Hurricane Matthew. Emergency Management included a process for issuing "Advance of Funds" payments in its 2017 Administrative Plan, which was approved by the Federal Emergency Management Agency (FEMA). The approved plan allows the division to make advance payments based on anticipated costs documented in a FEMA-obligated Project Worksheet. The plan also requires the subrecipient to repay any funds not supported by the final cost of the project, a requirement which would apply in any cases where advance payments were issued. The Department acknowledges, however, that Emergency Management did not obtain an "Advance of Funds Request" form from DOT, as required under the process described in the Administrative Plan.</p> <p>The Department also accepts the audit finding that it failed to obtain or review audit reports from subrecipients. Under the Uniform Guidance, a pass-through agency is required to verify that non-profit subrecipients expending more than \$750,000 in federal funds during their fiscal year undergo a single audit. For the Department, this responsibility resided with a position in the Controller's Office, and staffing shortages in that office led to the deficiency noted in the audit. To ensure this responsibility is met going forward, the Department has transferred the position and the function to the Internal Audit Section, which is where it more commonly resides across state government. Establishing and filling this position is a priority for the Department.</p> <p>Moreover, the Department fully embraces the audit recommendation to implement contingency planning to reduce the risk of lapses in grant monitoring due to staff turnover. The Department is committed to building a robust internal control structure within the Internal Auditor's Office dedicated to federal grant compliance and oversight. The Department is also committed to enhancing the grant management staff by establishing additional grant management/oversight positions in each entity. The Department is working with its Human Resources</p>

97.036 DISASTER GRANTS – PUBLIC ASSISTANCE (PRESIDENTIALLY DECLARED DISASTERS) (continued)

III. Federal Award Findings and Questioned Costs

U.S. Department of Homeland Security

N.C. Department of Public Safety

For the Fiscal Year Ended June 30, 2019

Type of Finding/ Questioned Costs	Findings and Recommendations
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section to appropriately classify these positions in order to attract and retain skilled staff for these important roles.

Summary of Findings and Questioned Costs

**Summary of Findings and Questioned Costs
By Federal Agency**

For the Fiscal Year Ended June 30, 2019

Federal Agency	CFDA	Finding Number	Finding	Questioned Costs	
U.S. Department of Justice:	16.575	2019-001	Inadequate Subrecipient Monitoring	\$ 15,335	
				<u>15,335</u>	
Total Federal Agency				<u>15,335</u>	
U.S. Department of Labor:	17.225	2019-002	Benefit Overpayment Identification Procedures Need Improvement	-	
				<u>-</u>	
Total Federal Agency				<u>-</u>	
U.S. Department of Education:	84.007	2019-003	Untimely Return of Title IV Funds	-	
		2019-004	Untimely Return of Title IV Funds	-	
		2019-005	Information Security Program Does Not Meet Minimum Federal Requirements	-	
		2019-006	Financial Aid Policies Do Not Meet Federal Requirements	-	
		2019-007	Information Security Program Does Not Meet Minimum Federal Requirements	-	
		2019-008	Information Security Program Does Not Meet Minimum Federal Requirements	-	
		2019-009	Information Security Program Does Not Meet Minimum Federal Requirements	-	
		2019-010	Deficiencies in Cash Management	-	
		2019-011	Errors in Return of Title IV Funds	-	
		<u>-</u>			
		84.010	2019-012	Ineffective Monitoring of Title I Spending	-
	2019-013		Errors in Reported State Per Pupil Expenditures	-	
	2019-014		Fiscal Monitoring Results Were Not Communicated Timely	-	
	2019-015		Inadequate Award Communication	-	
	<u>-</u>				
	84.027	2019-016	Unallowable Award Liquidation	<u>18,299,643</u>	
	18,299,643				
	84.033	2019-017	Information Security Program Does Not Meet Minimum Federal Requirements	-	
		2019-018	Financial Aid Policies Do Not Meet Federal Requirements	-	
		2019-019	Information Security Program Does Not Meet Minimum Federal Requirements	-	
		2019-020	Information Security Program Does Not Meet Minimum Federal Requirements	-	
		2019-021	Information Security Program Does Not Meet Minimum Federal Requirements	-	
2019-022		Deficiencies in Cash Management	-		
<u>-</u>					

**Summary of Findings and Questioned Costs
By Federal Agency**

For the Fiscal Year Ended June 30, 2019

Federal Agency	CFDA	Finding Number	Finding	Questioned Costs	
U.S. Department of Education: (continued)	84.063	2019-023	Untimely Return of Title IV Funds	-	
		2019-024	Enrollment Status Reporting Errors	-	
		2019-025	Untimely Return of Title IV Funds	-	
		2019-026	Information Security Program Does Not Meet Minimum Federal Requirements	-	
		2019-027	Financial Aid Policies Do Not Meet Federal Requirements	-	
		2019-028	Information Security Program Does Not Meet Minimum Federal Requirements	-	
		2019-029	Enrollment Status Reporting Errors	-	
		2019-030	Information Security Program Does Not Meet Minimum Federal Requirements	-	
		2019-031	Enrollment Status Reporting Errors	-	
		2019-032	Information Security Program Does Not Meet Minimum Federal Requirements	-	
		2019-033	Enrollment Status Reporting Errors	-	
		2019-034	Deficiencies in Cash Management	-	
		2019-035	Enrollment Status Reporting Errors	-	
		2019-036	Errors in Return of Title IV Funds	-	
	2019-037	Deficiencies in Transfer Monitoring	-		
				<hr/>	-
		84.268	2019-038	Untimely Return of Title IV Funds	-
			2019-039	Enrollment Status Reporting Errors	-
			2019-040	Information Security Program Does Not Meet Minimum Federal Requirements	-
			2019-041	Direct Loan Reconciliation Errors	-
			2019-042	Enrollment Status Reporting Errors	-
			2019-043	Deficiencies in Cash Management	-
			2019-044	Enrollment Status Reporting Errors	-
			2019-045	Errors in Return of Title IV Funds	-
			2019-046	Deficiencies in Transfer Monitoring	-
					<hr/>
		84.287	2019-047	Incomplete Fiscal Monitoring	-
			2019-048	Inadequate Award Communication	-
				<hr/>	-
		84.367	2019-049	Fiscal Monitoring Results Were Not Communicated Timely	-
			2019-050	Inadequate Award Communication	-
				<hr/>	-
		84.377	2019-051	Deficiencies in Cash Management Procedures	-
			2019-052	Fiscal Monitoring Results Were Not Communicated Timely	-
				<hr/>	-
				<hr/>	-
				Total Federal Agency	<hr/> <u>18,299,643</u>
U.S. Department of Health and Human Services:	93.364	2019-053	Deficiencies in Cash Management	-	
				<hr/>	

**Summary of Findings and Questioned Costs
By Federal Agency**

For the Fiscal Year Ended June 30, 2019

Federal Agency	CFDA	Finding Number	Finding	Questioned Costs
U.S. Department of Health and Human Services: (continued)	93.556	2019-054	Inadequate Monitoring of Program Recipients	-
				-
	93.558	2019-055 2019-056	Deficiencies in the TANF Eligibility Determination Process Inaccurate TANF Data On Families Was Submitted To Federal Government	54,706
				-
				54,706
	93.667	2019-057	Subrecipient Monitoring Procedures Need Improvement	-
				-
	93.778	2019-058	Errors in Medicaid Provider Billing and Payment Process	16,351
		2019-059	Medicaid Disproportionate Share Hospital Payment Made Incorrectly	6,429,812
		2019-060	Lack of Quality Assurance Procedures Increased Risk of Undetected Errors	-
		2019-061	Deficiencies in System Access	-
		2019-062	Deficiencies in the Medicaid Provider Enrollment and Termination Process	-
		2019-063	Deficiencies in the Medicaid Eligibility Determination Process	41,050
		2019-064	Business Continuity and Disaster Recovery Plan Not Tested	-
	2019-065	Delayed Remediation of Weaknesses	-	
	2019-066	Delayed Remediation of Weaknesses	-	
			6,487,213	
93.788	2019-067	Subrecipient Monitoring Procedures Need Improvement	-	
			-	
93.925	2019-068	Deficiencies in Cash Management	-	
			-	
93.959	2019-069	Subrecipient Monitoring Needs Improvement	-	
			-	
		Total Federal Agency	6,541,919	
U.S. Department of Homeland Security:	97.036	2019-070	Inadequate Subrecipient Monitoring	3,015,348
				3,015,348
			Total Federal Agency	3,015,348
		Total Questioned Costs	<u>\$ 27,872,245</u>	

**Summary of Findings and Questioned Costs
By State Agency**

For the Fiscal Year Ended June 30, 2019

State Agency		Finding Numbers	Questioned Costs
Appalachian State University:	1	Untimely Return of Title IV Funds	2019-003, 2019-023, 2019-038
			\$ _____ -
		Total State Agency	_____ -
Commerce:	2	Benefit Overpayment Identification Procedures Need Improvement	2019-002
			_____ -
		Total State Agency	_____ -
Halifax Community College:	3	Untimely Return of Title IV Funds	2019-004, 2019-025
	4	Information Security Program Does Not Meet Minimum Federal Requirements	2019-005, 2019-017, 2019-026
	5	Enrollment Status Reporting Errors	2019-024
			_____ -
		Total State Agency	_____ -
Health and Human Services:	6	Inadequate Monitoring of Program Recipients	2019-054
	7	Deficiencies in the TANF Eligibility Determination Process	2019-055
	8	Inaccurate TANF Data on Families Was Submitted To Federal Government	2019-056
	9	Subrecipient Monitoring Procedures Need Improvement	2019-057
	10	Errors in Medicaid Provider Billing and Payment Process	2019-058
	11	Medicaid Disproportionate Share Hospital Payment Made Incorrectly	2019-059
	12	Lack of Quality Assurance Procedures Increased Risk of Undetected Errors	2019-060
	13	Deficiencies in System Access	2019-061
	14	Deficiencies in the Medicaid Provider Enrollment and Termination Process	2019-062
	15	Deficiencies in the Medicaid Eligibility Determination Process	2019-063
	16	Business Continuity and Disaster Recovery Plan Not Tested	2019-064
	17	Delayed Remediation of Weaknesses	2019-065
	18	Delayed Remediation of Weaknesses	2019-066
	19	Subrecipient Monitoring Procedures Need Improvement	2019-067
20	Subrecipient Monitoring Needs Improvement	2019-069	
		Total State Agency	_____ 6,541,919
McDowell Technical Community College:	21	Financial Aid Policies Do Not Meet Federal Requirements	2019-006, 2019-018, 2019-027
	22	Information Security Program Does Not Meet Minimum Federal Requirements	2019-007, 2019-019, 2019-028
		Total State Agency	_____ -

**Summary of Findings and Questioned Costs
By State Agency**

For the Fiscal Year Ended June 30, 2019

State Agency		Finding Numbers	Questioned Costs
Nash Community College:	23	Information Security Program Does Not Meet Minimum Federal Requirements	2019-008, 2019-020, 2019-030, 2019-040
	24	Enrollment Status Reporting Errors	2019-029, 2019-039
	25	Direct Loan Reconciliation Errors	2019-041
			Total State Agency
Public Instruction:	26	Ineffective Monitoring of Title I Spending	2019-012
	27	Errors in Reported State Per Pupil Expenditures	2019-013
	28	Fiscal Monitoring Results Were Not Communicated Timely	2019-014, 2019-049, 2019-052
	29	Inadequate Award Communication	2019-015, 2019-048, 2019-050
	30	Unallowable Award Liquidation	2019-016
	31	Incomplete Fiscal Monitoring	2019-047
	32	Deficiencies in Cash Management Procedures	2019-051
		Total State Agency	18,299,643
Public Safety:	33	Inadequate Subrecipient Monitoring	2019-001
	34	Inadequate Subrecipient Monitoring	2019-070
		Total State Agency	15,335 3,015,348
Rockingham Community College:	35	Information Security Program Does Not Meet Minimum Federal Requirements	2019-009, 2019-021, 2019-032
	36	Enrollment Status Reporting Errors	2019-031
		Total State Agency	- -
University of North Carolina at Chapel Hill:	37	Enrollment Status Reporting Errors	2019-033, 2019-042
			Total State Agency
Winston-Salem State University:	38	Deficiencies in Cash Management	2019-010, 2019-022, 2019-034, 2019-043, 2019-053, 2019-068
			-

**Summary of Findings and Questioned Costs
By State Agency**

For the Fiscal Year Ended June 30, 2019

State Agency		Finding Numbers	Questioned Costs
Winston-Salem State University: (continued)	39	Errors in Return of Title IV Funds	
			2019-011, 2019-036, 2019-045
			-
	40	Enrollment Status Reporting Errors	2019-035, 2019-044
			-
	41	Deficiencies in Transfer Monitoring	2019-037, 2019-046
			-
		Total State Agency	-
		Total Questioned Costs	<u>\$ 27,872,245</u>

AUDITEE'S SECTION

**Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2019**

**Prepared by
Office of the State Controller**

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (SUMMARY)

For the Fiscal Year Ended June 30, 2019

Federal CFDA Number	Program Expenditures	Subrecipient Expenditures	CFDA Program Title or Cluster Title
AGEC	\$ 35,818,241	\$ 33,931,728	Aging Cluster
CCDF	315,488,347	36,651,272	CCDF Cluster
CHNC	578,303,242	577,644,892	Child Nutrition Cluster
CWSR	28,971,289	27,772,266	Clean Water State Revolving Fund Cluster
DISI	57,331,817		Disability Insurance/SSI Cluster
DWSR	32,633,302	23,527,624	Drinking Water State Revolving Fund Cluster
EFAC	26,946,507	25,743,577	Food Distribution Cluster
EMPS	30,676,499		Employment Service Cluster
F&WC	26,681,931	1,319,836	Fish and Wildlife Cluster
FEDT	7,207,279	7,195,905	Federal Transit Cluster
FGSC	630,281		Foster Grandparent/Senior Companion Cluster
HCCL	3,137,339	2,196,741	Health Center Program Cluster
HPCC	1,386,469,824	66,111,903	Highway Planning and Construction Cluster
HVCL	4,494,232	3,987,182	Housing Voucher Cluster
HWSC	13,374,040	2,802,311	Highway Safety Cluster
MEDC	9,581,952,074	247,456,705	Medicaid Cluster
PWED	2,517,495		Economic Development Cluster
RD	822,801,784	162,135,222	Research and Development Cluster
SFAC	2,098,686,551		Student Financial Assistance Programs
SNAP	2,063,662,639	103,851,677	SNAP Cluster
SPED	359,673,006	350,435,935	Special Education Cluster (IDEA)
TANF	295,500,382	158,834,260	TANF Cluster
TRIO	21,104,292	(3,310)	TRIO Cluster
TSPC	6,495,861	6,049,159	Transit Services Programs Cluster
WIOA	92,376,043	61,700,686	WIOA Cluster
10.001	122,965		Agricultural Research Basic and Applied Research
10.025	2,099,281		Plant and Animal Disease, Pest Control, and Animal Care
10.153	5,000		Market News
10.163	268,051		Market Protection and Promotion
10.168	104,710		Farmers Market Promotion Program
10.170	1,064,201		Specialty Crop Block Grant Program - Farm Bill
10.172	631		Local Food Promotion Program
10.178	12,889,669		SNAP-Ed Toolkit
10.200	376,243		Grants for Agricultural Research, Special Research Grants
10.202	848,213		Cooperative Forestry Research
10.203	325,896		Payments to Agricultural Experiment Stations Under the Hatch Act
10.206	8,074,613	67,209	Grants for Agricultural Research Competitive Research Grants
10.207	90,958		Animal Health and Disease Research
10.210	208,963	5,691	Higher Education - Graduate Fellowships Grant Program
10.212	31,371		Small Business Innovation Research
10.215	345,627	46,597	Sustainable Agriculture Research and Education
10.216	417,757		1890 Institution Capacity Building Grants
10.217	116,950		Higher Education - Institution Challenge Grants Program
10.219	453,700	31,696	Biotechnology Risk Assessment Research
10.220	60,495		Higher Education - Multicultural Scholars Grant Program
10.225	200		Community Food Projects
10.226	7,956		Secondary and Two-Year Postsecondary Agriculture Education Challenge Grants
10.250	118,703		Agricultural and Rural Economic Research, Cooperative Agreements and Collaborations
10.253	13,180	12,227	Consumer Data and Nutrition Research
10.290	39,140	8,012	Agricultural Market and Economic Research
10.303	59,863		Integrated Programs
10.304	70,595		Homeland Security Agricultural
10.307	259,073		Organic Agriculture Research and Extension Initiative
10.309	5,463,362	3,802,494	Specialty Crop Research Initiative
10.310	1,836,726	444,347	Agriculture and Food Research Initiative (AFRI)
10.311	175,019		Beginning Farmer and Rancher Development Program
10.312	392,647		Biomass Research and Development Initiative Competitive Grants Program (BRDI)
10.319	4,306		Farm Business Management and Benchmarking Competitive Grants Program
10.320	106,181		Sun Grant Program
10.328	86,026		National Food Safety Training, Education, Extension, Outreach, and Technical Assistance Competitive Grants Program
10.329	1,701,838	352,587	Crop Protection and Pest Management Competitive Grants Program
10.330	2,278		Alfalfa and Forage Research Program
10.336	37,135		Veterinary Services Grant Program
10.435	101,901		State Mediation Grants
10.443	196,320	56,986	Outreach and Assistance for Socially Disadvantaged and Veteran Farmers and Ranchers

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (SUMMARY)

For the Fiscal Year Ended June 30, 2019

Federal CFDA Number	Program Expenditures	Subrecipient Expenditures	CFDA Program Title or Cluster Title
10.475	4,437,293		Cooperative Agreements with States for Intrastate Meat and Poultry Inspection
10.479	69,818		Food Safety Cooperative Agreements
10.500	2,141,838	33,125	Cooperative Extension Service
10.533	68,691		SNAP-Ed Toolkit
10.545	3,319		Farmers' Market Supplemental Nutrition Assistance Program Support Grants
10.547	18,870		Professional Standards for School Nutrition Employees
10.557	149,884,408	47,247,014	WIC Special Supplemental Nutrition Program for Women, Infants, and Children
10.558	106,021,938	104,694,955	Child and Adult Care Food Program
10.560	9,066,084		State Administrative Expenses for Child Nutrition
10.572	115,041		WIC Farmers' Market Nutrition Program (FMNP)
10.576	71,655	63,408	Senior Farmers Market Nutrition Program
10.578	359,842		WIC Grants To States (WGS)
10.579	704,853	704,853	Child Nutrition Discretionary Grants Limited Availability
10.582	4,481,337		Fresh Fruit and Vegetable Program
10.614	48,478		Scientific Cooperation Exchange Program with China
10.652	696,396		Forestry Research
10.664	4,038,136	454,189	Cooperative Forestry Assistance
10.674	97,301		Wood Utilization Assistance
10.675	5,364		Urban and Community Forestry Program
10.676	124,257		Forest Legacy Program
10.678	50,277		Forest Stewardship Program
10.680	555,505	20,000	Forest Health Protection
10.683	34,479		National Fish and Wildlife Foundation
10.684	17,150		International Forestry Programs
10.691	4,975		Good Neighbor Authority
10.699	1,265,198		Partnership Agreements
10.762	26,128		Solid Waste Management Grants
10.771	40,789	15,061	Rural Cooperative Development Grants
10.777	58,195		Norman E. Borlaug International Agricultural Science and Technology Fellowship
10.855	432,514		Distance Learning and Telemedicine Loans and Grants
10.868	1,249		Rural Energy for America Program
10.890	3,004		Rural Development Cooperative Agreement Program
10.902	802,474		Soil and Water Conservation
10.903	108,601		Soil Survey
10.912	491,266	190,692	Environmental Quality Incentives Program
10.960	14,640		Technical Agricultural Assistance
10.961	30,257	8,018	Scientific Cooperation and Research
10.962	362,530		Cochran Fellowship Program-International Training-Foreign Participant
10.U01	649,521		U. S. Department of Agriculture
10.U02	1,579		U. S. Department of Agriculture
10.U03	6,637		U. S. Department of Agriculture
10.U04	2,644		U. S. Department of Agriculture
10.U05	9,562		U. S. Department of Agriculture
10.U06	18,762		U. S. Department of Agriculture
11.008	7,376		NOAA Mission-Related Education Awards
11.012	601,064	89,098	Integrated Ocean Observing System (IOOS)
11.020	182,367		Cluster Grants
11.303	253,993		Economic Development Technical Assistance
11.313	9,552		Trade Adjustment Assistance for Firms
11.407	52,289		Interjurisdictional Fisheries Act of 1986
11.417	1,347,428	668,813	Sea Grant Support
11.419	3,019,201	9,495	Coastal Zone Management Administration Awards
11.420	784,964		Coastal Zone Management Estuarine Research Reserves
11.427	201,077		Fisheries Development and Utilization Research and Development Grants and Cooperative Agreements Program
11.431	214,572	15,300	Climate and Atmospheric Research
11.432	5,398,421	758,422	National Oceanic and Atmospheric Administration (NOAA) Cooperative Institutes
11.435	69,370		Southeast Area Monitoring and Assessment Program
11.439	171,904		Marine Mammal Data Program
11.454	33,180		Unallied Management Projects
11.459	51,788		Weather and Air Quality Research
11.463	31,522		Habitat Conservation
11.468	433,461	53,481	Applied Meteorological Research
11.469	180		Congressionally Identified Awards and Projects
11.472	81,553		Unallied Science Program
11.474	297,228	1,183	Atlantic Coastal Fisheries Cooperative Management Act
11.478	133,446		Center for Sponsored Coastal Ocean Research Coastal Ocean Program

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (SUMMARY)

For the Fiscal Year Ended June 30, 2019

Federal CFDA Number	Program Expenditures	Subrecipient Expenditures	CFDA Program Title or Cluster Title
11.482	36,847		Coral Reef Conservation Program
11.549	3,215		State and Local Implementation Grant Program
11.609	593,882	186,051	Measurement and Engineering Research and Standards
11.611	3,746,022	885,241	Manufacturing Extension Partnership
11.619	1,672,631		Arrangements for Interdisciplinary Research Infrastructure
11.620	7,259		Science, Technology, Business and/or Education Outreach
11.999	168,358		Marine Debris Program
11.U01	12,435		U. S. Department of Commerce
12.002	455,263		Procurement Technical Assistance For Business Firms
12.300	3,523,961	625,138	Basic and Applied Scientific Research
12.335	164,092		Navy Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance
12.351	379,123	21,790	Scientific Research - Combating Weapons of Mass Destruction
12.355	205,360		Pest Management and Vector Control Research
12.357	169,865		ROTC Language and Culture Training Grants
12.360	390,761		Research on Chemical and Biological Defense
12.401	29,796,557		National Guard Military Operations and Maintenance (O&M) Projects
12.404	6,805,677		National Guard ChalleNGe Program
12.420	959,281	84,383	Military Medical Research and Development
12.431	6,439,598	1,120,474	Basic Scientific Research
12.556	34,831		Competitive Grants: Promoting K-12 Student Achievement at Military-Connected Schools
12.579	395,520		Language Training Center
12.617	852,803	130,207	Economic Adjustment Assistance for State Governments
12.630	3,371,828	254,982	Basic, Applied, and Advanced Research in Science and Engineering
12.632	49,756		Legacy Resource Management Program
12.740	172,669	61,018	Past Conflict Accounting
12.750	30,565		Uniformed Services University Medical Research Projects
12.800	3,098,523	133,012	Air Force Defense Research Sciences Program
12.900	93,142		Language Grant Program
12.901	340,786		Mathematical Sciences Grants
12.902	6,451,728	2,537,452	Information Security Grants
12.903	176,446		GenCyber Grants Program
12.905	196,625	21,874	CyberSecurity Core Curriculum
12.910	5,342,993	2,120,715	Research and Technology Development
12.U01	1,434,252		U. S. Department of Defense
12.U02	103,507		U. S. Department of Defense
12.U03	14,977		U. S. Department of Defense
12.U04	245		U. S. Department of Defense
12.U05	2,335		U. S. Department of Defense
12.U06	29,993		U. S. Department of Defense
12.U07	8,803		U. S. Department of Defense
12.U08	25,509		U. S. Department of Defense
12.U09	37,894		U. S. Department of Defense
12.U10	9,898		U. S. Department of Defense
12.U11	274,764		U. S. Department of Defense
12.U12	120,273		U. S. Department of Defense
12.U13	96,334		U. S. Department of Defense
12.U14	1,005		U. S. Department of Defense
12.U15	83,946		U. S. Department of Defense
12.U16	30,026		U. S. Department of Defense
12.U17	9,000		U. S. Department of Defense
12.U18	299,037		U. S. Department of Defense
12.U19	85,030		U. S. Department of Defense
12.U20	145,715		U. S. Department of Defense
12.U21	57,543		U. S. Department of Defense
12.U22	63,259		U. S. Department of Defense
12.U23	21,294		U. S. Department of Defense
12.U24	19,600		U. S. Department of Defense
12.U25	16,553		U. S. Department of Defense
12.U26	74,922		U. S. Department of Defense
12.U27	37,667		U. S. Department of Defense
12.U28	600		U. S. Department of Defense
12.U29	61,526		U. S. Department of Defense
12.U30	170,569		U. S. Department of Defense
12.U31	14,506		U. S. Department of Defense
12.U32	18,884		U. S. Department of Defense
12.U33	22,738		U. S. Department of Defense
14.171	76,282		Manufactured Home Dispute Resolution

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (SUMMARY)

For the Fiscal Year Ended June 30, 2019

Federal CFDA Number	Program Expenditures	Subrecipient Expenditures	CFDA Program Title or Cluster Title
14.228	56,048,597	53,022,378	Community Development Block Grants/State's program and Non-Entitlement Grants in Hawaii
14.231	5,316,150	4,973,340	Emergency Solutions Grant Program
14.241	2,020,608	436,656	Housing Opportunities for Persons with AIDS
14.401	102,845		Fair Housing Assistance Program State and Local
14.900	28,048		Lead-Based Paint Hazard Control in Privately-Owned Housing
15.232	129,924		Wildland Fire Research and Studies
15.423	823,349	736,293	Bureau of Ocean Energy Management (BOEM) Environmental Studies (ES)
15.424	111,028	13,500	Marine Minerals Activities
15.506	77,351	41,227	Water Desalination Research and Development
15.608	148,507		Fish and Wildlife Management Assistance
15.614	1,842,075		Coastal Wetlands Planning, Protection and Restoration
15.615	338,213	47,652	Cooperative Endangered Species Conservation Fund
15.616	70,817	45,183	Clean Vessel Act
15.626	170,878		Enhanced Hunter Education and Safety
15.628	63,413	9,006	Multistate Conservation Grant
15.630	20,496		Coastal
15.634	1,607,369	90,013	State Wildlife Grants
15.650	59,315	6,731	Research Grants (Generic)
15.654	19,670		National Wildlife Refuge System Enhancements
15.657	128,577	55,213	Endangered Species Conservation - Recovery Implementation Funds
15.663	255,501	41,769	National Fish and Wildlife Foundation
15.669	14,687		Cooperative Landscape Conservation
15.670	64,796	23,926	Adaptive Science
15.674	599		National Fire Plan-Wildland Urban Interface Community Fire Assistance
15.678	147,309		Cooperative Ecosystem Studies Units
15.805	67,992	60,623	Assistance to State Water Resources Research Institutes
15.807	40,581		Earthquake Hazards Program Assistance
15.808	527,849		U.S. Geological Survey Research and Data Collection
15.810	39,154		National Cooperative Geologic Mapping
15.812	742,043		Cooperative Research Units
15.814	21,439		National Geological and Geophysical Data Preservation
15.815	11,630		National Land Remote Sensing Education Outreach and Research
15.817	500,000		National Geospatial Program: Building The National Map
15.820	1,153,943	318,747	National and Regional Climate Adaptation Science Centers
15.904	986,497	207,400	Historic Preservation Fund Grants-In-Aid
15.916	160,871		Outdoor Recreation Acquisition, Development and Planning
15.923	15,255		National Center for Preservation Technology and Training
15.925	200,000		National Maritime Heritage Grants
15.931	17,718		Conservation Activities by Youth Service Organizations
15.945	739,308	24,685	Cooperative Research and Training Programs - Resources of the National Park System
15.954	6,117		National Park Service Conservation, Protection, Outreach, and Education
16.017	322,459	322,459	Sexual Assault Services Formula Program
16.026	59,348		OVW Research and Evaluation Program
16.123	7,578		Community-Based Violence Prevention Program
16.525	274,110		Grants to Reduce Domestic Violence, Dating Violence, Sexual Assault, and Stalking on Campus
16.540	683,930	530,480	Juvenile Justice and Delinquency Prevention
16.543	754,713		Missing Children's Assistance
16.554	111,388		National Criminal History Improvement Program (NCHIP)
16.560	557,929	93,623	National Institute of Justice Research, Evaluation, and Development Project Grants
16.562	42,289		Criminal Justice Research and Development Graduate Research Fellowships
16.575	53,608,550	36,264,572	Crime Victim Assistance
16.576	2,955,657	2,712,744	Crime Victim Compensation
16.582	159,152	115,644	Crime Victim Assistance/Discretionary Grants
16.585	233,870		Drug Court Discretionary Grant Program
16.588	3,680,698	2,356,330	Violence Against Women Formula Grants
16.590	504,038		Grants to Encourage Arrest Policies and Enforcement of Protection Orders Program
16.593	111,106		Residential Substance Abuse Treatment for State Prisoners
16.606	2,016,157		State Criminal Alien Assistance Program
16.609	9,636		Project Safe Neighborhoods
16.710	87,495		Public Safety Partnership and Community Policing Grants
16.738	1,902,916	617,453	Edward Byrne Memorial Justice Assistance Grant Program
16.741	451,705		DNA Backlog Reduction Program
16.742	239,274		Paul Coverdell Forensic Sciences Improvement Grant Program
16.750	114,508		Support for Adam Walsh Act Implementation Grant Program
16.751	70,612		Edward Byrne Memorial Competitive Grant Program
16.752	221,727		Economic, High-Tech, and Cyber Crime Prevention
16.756	31,000		Court Appointed Special Advocates

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (SUMMARY)

For the Fiscal Year Ended June 30, 2019

Federal CFDA Number	Program Expenditures	Subrecipient Expenditures	CFDA Program Title or Cluster Title
16.758	4,094		Improving the Investigation and Prosecution of Child Abuse and the Regional and Local Children's Advocacy Centers
16.812	401,618		Second Chance Act Reentry Initiative
16.816	42,318	42,318	John R. Justice Prosecutors and Defenders Incentive Act
16.820	249,775		Postconviction Testing of DNA Evidence
16.827	668,573		Justice Reinvestment Initiative
16.830	108,810		Girls in the Juvenile Justice System
16.833	19,921		National Sexual Assault Kit Initiative
16.836	3,496		Indigent Defense
16.838	7,615		Comprehensive Opioid Abuse Site-Based Program
16.922	1,569,596		Equitable Sharing Program
16.U01	141,381	123,119	U. S. Department of Justice
16.U02	(3,665)		U. S. Department of Justice
17.002	1,412,421		Labor Force Statistics
17.005	173,302		Compensation and Working Conditions
17.201	334,828	270,605	Registered Apprenticeship
17.225	248,756,768		Unemployment Insurance
17.235	2,079,119	1,956,631	Senior Community Service Employment Program
17.245	3,202,625		Trade Adjustment Assistance
17.265	263,953	55,007	Native American Employment and Training
17.268	1,833,889	601,947	H-1B Job Training Grants
17.271	565,984		Work Opportunity Tax Credit Program (WOTC)
17.273	291,804		Temporary Labor Certification for Foreign Workers
17.274	39,866		YouthBuild
17.277	7,887,117	7,405,792	WIOA National Dislocated Worker Grants / WIA National Emergency Grants
17.281	2,648,728		WIOA Dislocated Worker National Reserve Technical Assistance and Training
17.282	100,634		Trade Adjustment Assistance Community College and Career Training (TAACCCT) Grants
17.285	121,766	121,766	Apprenticeship USA Grants
17.502	214,900		Occupational Safety and Health Susan Harwood Training Grants
17.503	6,079,913		Occupational Safety and Health State Program
17.504	1,693,218		Consultation Agreements
17.600	145,123		Mine Health and Safety Grants
17.U01	11		U. S. Department of Labor
17.U02	3,207		U. S. Department of Labor
19.009	129,085	11,756	Academic Exchange Programs - Undergraduate Programs
19.015	162,565		Cultural, Technical and Educational Centers
19.040	23,563		Public Diplomacy Programs
19.400	20,864		Academic Exchange Programs - Graduate Students
19.401	121,265		Academic Exchange Programs - Scholars
19.408	348,760		Academic Exchange Programs - Teachers
19.501	99,149	5,689	Public Diplomacy Programs for Afghanistan and Pakistan
19.901	37,563		Export Control and Related Border Security
20.106	21,567,695	21,476,005	Airport Improvement Program
20.200	312,620	1,017	Highway Research and Development Program
20.215	226,355		Highway Training and Education
20.218	7,903,036		Motor Carrier Safety Assistance
20.231	289,201		Performance and Registration Information Systems Management
20.232	42,986		Commercial Driver's License Program Implementation Grant
20.235	8,769		Commercial Motor Vehicle Operator Safety Training Grants
20.237	243,209		Motor Carrier Safety Assistance High Priority Activities Grants and Cooperative Agreements
20.314	687,347		Railroad Development
20.319	2,429,809		High-Speed Rail Corridors and Intercity Passenger Rail Service - Capital Assistance Grants
20.505	1,781,761	1,695,984	Metropolitan Transportation Planning and State and Non-Metropolitan Planning and Research
20.509	29,023,610	26,961,938	Formula Grants for Rural Areas
20.527	177,381	177,381	Public Transportation Emergency Relief Program
20.528	431,064		Rail Fixed Guideway Public Transportation System State Safety Oversight Formula Grant Program
20.614	74,898		National Highway Traffic Safety Administration (NHTSA) Discretionary Safety Grants and Cooperative Agreements
20.700	717,480		Pipeline Safety Program State Base Grant
20.701	2,545,717	1,436,389	University Transportation Centers Program
20.703	416,020	223,778	Interagency Hazardous Materials Public Sector Training and Planning Grants
20.933	8,501,148		National Infrastructure Investments
20.U01	4,000		U. S. Department of Transportation
20.U02	9,682		U. S. Department of Transportation
20.U03	6,816	5,142	U. S. Department of Transportation
20.U04	201,984	23,316	U. S. Department of Transportation
20.U05	7,985	6,654	U. S. Department of Transportation

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (SUMMARY)

For the Fiscal Year Ended June 30, 2019

Federal CFDA Number	Program Expenditures	Subrecipient Expenditures	CFDA Program Title or Cluster Title
20.U06	28,706		U. S. Department of Transportation
20.U07	95,139		U. S. Department of Transportation
21.008	98,637		Low Income Taxpayer Clinics
21.016	692,551		Equitable Sharing
23.001	389,970		Appalachian Regional Development (See individual Appalachian Programs)
23.002	288,885	11,400	Appalachian Area Development
23.011	1,301,457	1,107,487	Appalachian Research, Technical Assistance, and Demonstration Projects
27.011	13,005		Intergovernmental Personnel Act (IPA) Mobility Program
30.U01	65,950		U. S. Equal Employment Opportunity Commission
39.003	1,129,214		Donation of Federal Surplus Personal Property
43.001	1,075,719	111,247	Science
43.002	415,085		Aeronautics
43.003	274,525	34,138	Exploration
43.007	132,981		Space Operations
43.008	1,227,956	386,269	Education
43.012	276,936	12,334	Space Technology
43.U01	58,750		National Aeronautics and Space Administration
43.U02	31,982		National Aeronautics and Space Administration
43.U03	14,592		National Aeronautics and Space Administration
45.024	93,115		Promotion of the Arts Grants to Organizations and Individuals
45.025	1,080,198	820,520	Promotion of the Arts Partnership Agreements
45.129	55,229		Promotion of the Humanities Federal/State Partnership
45.149	1,924		Promotion of the Humanities Division of Preservation and Access
45.160	26,396		Promotion of the Humanities Fellowships and Stipends
45.161	129,820	1,618	Promotion of the Humanities Research
45.162	28,273		Promotion of the Humanities Teaching and Learning Resources and Curriculum Development
45.163	706		Promotion of the Humanities Professional Development
45.164	25,841		Promotion of the Humanities Public Programs
45.169	71,358		Promotion of the Humanities Office of Digital Humanities
45.301	15,436		Museums for America
45.309	48,000		Museum Grants for African American History and Culture
45.310	4,638,867	2,634,422	Grants to States
45.312	140,230	9,979	National Leadership Grants
45.313	89,159		Laura Bush 21st Century Librarian Program
45.400	20,005		Peace Corps' Global Health and PEPFAR Initiative Program
45.U01	5,821		Federal Council on the Arts and the Humanities
45.U02	110		Federal Council on the Arts and the Humanities
45.U03	3,384		Federal Council on the Arts and the Humanities
47.041	6,239,504	1,219,033	Engineering Grants
47.049	1,729,931	55,867	Mathematical and Physical Sciences
47.050	5,011,377	287,549	Geosciences
47.070	3,877,568	558,299	Computer and Information Science and Engineering
47.074	3,518,969	182,759	Biological Sciences
47.075	1,912,457	171,488	Social, Behavioral, and Economic Sciences
47.076	27,369,368	2,422,674	Education and Human Resources
47.079	252,946		Office of International Science and Engineering
47.083	960,640	266,666	Office of Integrative Activities
47.U01	92,852		National Science Foundation
47.U02	148,875		National Science Foundation
47.U03	99,377		National Science Foundation
59.037	3,079,931		Small Business Development Centers
59.U01	528,810		U. S. Small Business Administration
64.005	562,779		Grants to States for Construction of State Home Facilities
64.028	342,267		Post-9/11 Veterans Educational Assistance
64.034	24,709	4,210	VA Grants for Adaptive Sports Programs for Disabled Veterans and Disabled Members of the Armed Forces
64.124	340,361		All-Volunteer Force Educational Assistance
64.203	5,065,121		Veterans Cemetery Grants Program
64.U01	2,544		U. S. Department of Veterans Affairs
66.001	2,540,314		Air Pollution Control Program Support
66.032	153,869		State Indoor Radon Grants
66.034	4,138	3,870	Surveys, Studies, Research, Investigations, Demonstrations, and Special Purpose Activities Relating to the Clean Air Act
66.040	146,110		State Clean Diesel Grant Program
66.202	522,781		Congressionally Mandated Projects
66.204	27,557		Multipurpose Grants to States and Tribes
66.419	7,973,596		Water Pollution Control State, Interstate, and Tribal Program Support

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (SUMMARY)

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Federal CFDA Number	Program Expenditures	Subrecipient Expenditures	CFDA Program Title or Cluster Title
66.432	1,562,966		State Public Water System Supervision
66.433	103,342		State Underground Water Source Protection
66.454	186,957		Water Quality Management Planning
66.456	680,134		National Estuary Program
66.460	3,536,871		Nonpoint Source Implementation Grants
66.461	65,763	5,072	Regional Wetland Program Development Grants
66.462	153,590		National Wetland Program Development Grants and Five-Star Restoration Training Grant
66.472	261,951		Beach Monitoring and Notification Program Implementation Grants
66.509	859,358	157,526	Science To Achieve Results (STAR) Research Program
66.511	169,087		Office of Research and Development Consolidated Research/Training/Fellowships
66.516	10,422		P3 Award: National Student Design Competition for Sustainability
66.605	819,034		Performance Partnership Grants
66.608	44,423		Environmental Information Exchange Network Grant Program and Related Assistance
66.701	143,356		Toxic Substances Compliance Monitoring Cooperative Agreements
66.707	377,325		TSCA Title IV State Lead Grants Certification of Lead-Based Paint Professionals
66.708	120,069	10,887	Pollution Prevention Grants Program
66.801	2,437,940		Hazardous Waste Management State Program Support
66.802	1,546,616		Superfund State, Political Subdivision, and Indian Tribe Site-Specific Cooperative Agreements
66.804	904,154		Underground Storage Tank Prevention, Detection and Compliance Program
66.805	2,479,916		Leaking Underground Storage Tank Trust Fund Corrective Action Program
66.809	84,385		Superfund State and Indian Tribe Core Program Cooperative Agreements
66.951	8,131		Environmental Education Grants
66.U01	5,569		U. S. Environmental Protection Agency
66.U02	4,869		U. S. Environmental Protection Agency
66.U03	10,535		U. S. Environmental Protection Agency
77.006	77,881		U. S. Nuclear Regulatory Commission Nuclear Education Grant Program
77.008	386,800		U.S. Nuclear Regulatory Commission Scholarship and Fellowship Program
81.042	4,404,578		Weatherization Assistance for Low-Income Persons
81.049	4,626,498	121,731	Office of Science Financial Assistance Program
81.086	107,542		Conservation Research and Development
81.087	1,439,690	46,922	Renewable Energy Research and Development
81.089	1,026,363	139,962	Fossil Energy Research and Development
81.113	4,843,156	2,579,916	Defense Nuclear Nonproliferation Research
81.117	695,904	8,795	Energy Efficiency and Renewable Energy Information Dissemination, Outreach, Training and Technical Analysis/Assistance
81.119	1,072,034		State Energy Program Special Projects
81.121	4,159,023	729,615	Nuclear Energy Research, Development and Demonstration
81.122	59,284		Electricity Delivery and Energy Reliability, Research, Development and Analysis
81.123	1,379,652	604,773	National Nuclear Security Administration (NNSA) Minority Serving Institutions (MSI) Program
81.128	14,817		Energy Efficiency and Conservation Block Grant Program (EECBG)
81.135	1,495,878	180,345	Advanced Research Projects Agency - Energy
81.137	10,775		Minority Economic Impact
81.U01	11,980		U. S. Department of Energy
81.U02	22,660		U. S. Department of Energy
81.U03	38,805		U. S. Department of Energy
81.U04	47,413		U. S. Department of Energy
81.U05	2,555		U. S. Department of Energy
81.U06	284		U. S. Department of Energy
81.U07	42,276		U. S. Department of Energy
81.U08	45,702		U. S. Department of Energy
81.U09	25,762		U. S. Department of Energy
81.U10	10,530		U. S. Department of Energy
81.U11	100,129		U. S. Department of Energy
81.U12	27,228		U. S. Department of Energy
81.U13	59,217		U. S. Department of Energy
81.U14	44,952		U. S. Department of Energy
81.U15	161,814		U. S. Department of Energy
81.U16	467,635		U. S. Department of Energy
81.U17	44,868		U. S. Department of Energy
81.U18	14,118		U. S. Department of Energy
81.U19	35,911		U. S. Department of Energy
81.U20	77,094		U. S. Department of Energy
81.U21	44,158		U. S. Department of Energy
81.U22	46,379		U. S. Department of Energy
81.U23	19,676		U. S. Department of Energy
84.002	18,789,302	16,718,688	Adult Education - Basic Grants to States
84.010	436,165,888	430,386,178	Title I Grants to Local Educational Agencies

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (SUMMARY)

For the Fiscal Year Ended June 30, 2019

Federal CFDA Number	Program Expenditures	Subrecipient Expenditures	CFDA Program Title or Cluster Title
84.011	5,064,394	4,367,859	Migrant Education State Grant Program
84.013	702,046		Title I State Agency Program for Neglected and Delinquent Children and Youth
84.015	271		National Resource Centers Program for Foreign Language and Area Studies or Foreign Language and International Studies Program and Foreign Language and Area Studies Fellowship Program
84.016	56,856		Undergraduate International Studies and Foreign Language Programs
84.021	24,898		Overseas Programs - Group Projects Abroad
84.031	33,012,222	122,542	Higher Education Institutional Aid
84.048	40,950,579	23,082,293	Career and Technical Education -- Basic Grants to States
84.116	2,486,928		Fund for the Improvement of Postsecondary Education
84.120	424,126		Minority Science and Engineering Improvement
84.126	100,846,641		Rehabilitation Services Vocational Rehabilitation Grants to States
84.129	805,040		Rehabilitation Long-Term Training
84.141	479,129		Migrant Education High School Equivalency Program
84.144	28,308		Migrant Education Coordination Program
84.160	7,000		Training Interpreters for Individuals who are Deaf and Individuals who are Deaf-Blind
84.161	355,331		Rehabilitation Services Client Assistance Program
84.169	542,365		Independent Living State Grants
84.177	1,129,861		Rehabilitation Services Independent Living Services for Older Individuals Who are Blind
84.181	13,857,707	936,476	Special Education-Grants for Infants and Families
84.184	1,691,852	1,691,852	School Safety National Activities (formerly, Safe and Drug-Free Schools and Communities-National Programs)
84.187	383,284		Supported Employment Services for Individuals with the Most Significant Disabilities
84.196	2,243,202		Education for Homeless Children and Youth
84.200	654,038		Graduate Assistance in Areas of National Need
84.224	368,490		Assistive Technology
84.282	97,425		Charter Schools
84.287	26,638,230	25,384,533	Twenty-First Century Community Learning Centers
84.299	948,896		Indian Education -- Special Programs for Indian Children
84.305	1,589,188	624,428	Education Research, Development and Dissemination
84.323	1,387,008	1,216,338	Special Education - State Personnel Development
84.324	485,606	81,192	Research in Special Education
84.325	3,029,524	14,895	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities
84.326	4,058,453	1,518,974	Special Education Technical Assistance and Dissemination to Improve Services and Results for Children with Disabilities
84.334	10,283,477	4,227,069	Gaining Early Awareness and Readiness for Undergraduate Programs
84.335	19,208		Child Care Access Means Parents in School
84.336	2,177,607	95,278	Teacher Quality Partnership Grants
84.351	37,267		Arts in Education
84.358	3,677,081	3,472,241	Rural Education
84.363	579,722		School Leader Recruitment and Support (formerly School Leadership)
84.365	15,900,208	14,458,866	English Language Acquisition State Grants
84.366	1,654,613	53,728	Mathematics and Science Partnerships
84.367	46,231,968	45,651,884	Supporting Effective Instruction State Grants (formerly Improving Teacher Quality State Grants)
84.368	231,962		Competitive Grants for State Assessments (formerly Grants for Enhanced Assessment Instruments)
84.369	9,875,600		Grants for State Assessments and Related Activities
84.377	11,415,303	11,302,291	School Improvement Grants
84.382	2,067,057		Strengthening Minority-Serving Institutions
84.403	59,085		Consolidated Grant to the Outlying Areas
84.407	205,359	6,042	Transition Programs for Students with Intellectual Disabilities into Higher Education
84.411	505,919		Education Innovation and Research (formerly Investing in Innovation (i3) Fund)
84.412	(10,950)		Race to the Top - Early Learning Challenge
84.423	698,182	82,014	Supporting Effective Educator Development Program
84.424	19,828,392	19,667,762	Student Support and Academic Enrichment Program
84.U01	164,590		U. S. Department of Education
84.U02	2,388		U. S. Department of Education
84.U03	(1,167)		U. S. Department of Education
84.U04	25,899		U. S. Department of Education
84.U05	1,374,406	180,367	U. S. Department of Education
84.U06	26,290		U. S. Department of Education
89.003	38,375		National Historical Publications and Records Grants
90.404	2,009,898		2018 HAVA Election Security Grants
92.U01	17,546		National Council on Disability
93.041	131,691	131,691	Special Programs for the Aging, Title VII, Chapter 3, Programs for Prevention of Elder Abuse, Neglect, and Exploitation
93.042	489,738	489,738	Special Programs for the Aging, Title VII, Chapter 2, Long Term Care Ombudsman Services for Older Individuals

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (SUMMARY)

For the Fiscal Year Ended June 30, 2019

Federal CFDA Number	Program Expenditures	Subrecipient Expenditures	CFDA Program Title or Cluster Title
93.043	712,568	641,531	Special Programs for the Aging, Title III, Part D, Disease Prevention and Health Promotion Services
93.048	326,607	40,000	Special Programs for the Aging, Title IV, and Title II, Discretionary Projects
93.052	5,110,035	4,902,994	National Family Caregiver Support, Title III, Part E
93.068	22,748		Chronic Diseases: Research, Control, and Prevention
93.070	379,753	12,281	Environmental Public Health and Emergency Response
93.071	1,138,106	912,766	Medicare Enrollment Assistance Program
93.072	263,962	45,201	Lifespan Respite Care Program
93.073	220,476		Birth Defects and Developmental Disabilities - Prevention and Surveillance
93.074	20,372,422	8,084,815	Hospital Preparedness Program (HPP) and Public Health Emergency Preparedness (PHEP) Aligned Cooperative Agreements
93.077	64,510		Family Smoking Prevention and Tobacco Control Act Regulatory Research
93.079	146,361		Cooperative Agreements to Promote Adolescent Health through School-Based HIV/STD Prevention and School-Based Surveillance
93.084	56,109		Prevention of Disease, Disability, and Death by Infectious Diseases
93.086	4,259		Healthy Marriage Promotion and Responsible Fatherhood Grants
93.088	36,132	10,336	Advancing System Improvements for Key Issues in Women's Health
93.092	1,436,264	331,213	Affordable Care Act (ACA) Personal Responsibility Education Program
93.094	146,491	38,175	Well-Integrated Screening and Evaluation for Women Across the Nation
93.103	2,201,474		Food and Drug Administration Research
93.104	13,471		Comprehensive Community Mental Health Services for Children with Serious Emotional Disturbances (SED)
93.110	539,753	58,869	Maternal and Child Health Federal Consolidated Programs
93.113	6,797,919	750,796	Environmental Health
93.116	1,676,945	740,153	Project Grants and Cooperative Agreements for Tuberculosis Control Programs
93.121	463,487		Oral Diseases and Disorders Research
93.124	189,238		Nurse Anesthetist Traineeship
93.127	109,672		Emergency Medical Services for Children
93.130	202,372		Cooperative Agreements to States/Territories for the Coordination and Development of Primary Care Offices
93.136	4,564,298	437,639	Injury Prevention and Control Research and State and Community Based Programs
93.143	459,506		NIEHS Superfund Hazardous Substances Basic Research and Education
93.145	92,626		HIV-Related Training and Technical Assistance
93.150	1,222,173	1,217,406	Projects for Assistance in Transition from Homelessness (PATH)
93.153	647,657		Coordinated Services and Access to Research for Women, Infants, Children, and Youth
93.155	121,642		Rural Health Research Centers
93.165	113,434		Grants to States for Loan Repayment Program
93.172	216,976		Human Genome Research
93.173	330,627		Research Related to Deafness and Communication Disorders
93.191	554,801		Graduate Psychology Education
93.197	295,620		Childhood Lead Poisoning Prevention Projects, State and Local Childhood Lead Poisoning Prevention and Surveillance of Blood Lead Levels in Children
93.211	325,213	67,007	Telehealth Programs
93.213	887,866		Research and Training in Complementary and Integrative Health
93.217	4,952,405	3,909,199	Family Planning Services
93.226	156,765	40,206	Research on Healthcare Costs, Quality and Outcomes
93.234	118,711	115,927	Traumatic Brain Injury State Demonstration Grant Program
93.235	2,185,715		Title V State Sexual Risk Avoidance Education (Title V State SRAE) Program
93.236	15,763		Grants to States to Support Oral Health Workforce Activities
93.240	253,749		State Capacity Building
93.241	611,243	155,665	State Rural Hospital Flexibility Program
93.242	542,865	18,847	Mental Health Research Grants
93.243	2,638,104	1,897,070	Substance Abuse and Mental Health Services Projects of Regional and National Significance
93.247	1,903,315	40,474	Advanced Nursing Education Workforce Grant Program
93.251	333,195	49,651	Universal Newborn Hearing Screening
93.262	254,105	30,500	Occupational Safety and Health Program
93.268	139,350,853	2,423,815	Immunization Cooperative Agreements
93.270	495,032	47,002	Viral Hepatitis Prevention and Control
93.273	1,626,639	24,564	Alcohol Research Programs
93.276	126,430		Drug-Free Communities Support Program Grants
93.279	1,516,769	281,297	Drug Abuse and Addiction Research Programs
93.286	2,334,180	475,298	Discovery and Applied Research for Technological Innovations to Improve Human Health
93.297	575,904	352,729	Teenage Pregnancy Prevention Program
93.301	485,184		Small Rural Hospital Improvement Grant Program
93.305	1,537,591	555,121	PPHF 2018: Office of Smoking and Health-National State-Based Tobacco Control Programs-Financed in part by 2018 Prevention and Public Health funds (PPHF)
93.307	1,925,360	658,152	Minority Health and Health Disparities Research
93.310	480,230	16,053	Trans-NIH Research Support

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (SUMMARY)

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Federal CFDA Number	Program Expenditures	Subrecipient Expenditures	CFDA Program Title or Cluster Title
93.314	114,792		Early Hearing Detection and Intervention Information System (EHDI-IS) Surveillance Program
93.319	280,085		Outreach Programs to Reduce the Prevalence of Obesity in High Risk Rural Areas
93.323	3,313,882	435,651	Epidemiology and Laboratory Capacity for Infectious Diseases (ELC)
93.324	1,359,183	507,237	State Health Insurance Assistance Program
93.336	274,715		Behavioral Risk Factor Surveillance System
93.350	41,083		National Center for Advancing Translational Sciences
93.351	1,058,442	28,652	Research Infrastructure Programs
93.354	1,335,894	1,115,414	Public Health Emergency Response: Cooperative Agreement for Emergency Response: Public Health Crisis Response
93.359	1,013,022	232,741	Nurse Education, Practice Quality and Retention Grants
93.361	231,575		Nursing Research
93.389	255,325		National Center for Research Resources
93.391	18,349		Activities to Support State, Tribal, Local and Territorial (STLT) Health Department Response to Public Health or Healthcare Crises
93.393	1,347,845	257,511	Cancer Cause and Prevention Research
93.394	281,708		Cancer Detection and Diagnosis Research
93.395	1,822,127	481,408	Cancer Treatment Research
93.396	1,007,451	75,867	Cancer Biology Research
93.397	200,545		Cancer Centers Support Grants
93.398	38,550		Cancer Research Manpower
93.399	12,700		Cancer Control
93.426	940,708		Improving the Health of Americans through Prevention and Management of Diabetes and Heart Disease and Stroke-Financed in part by 2018 Prevention and Public Health Funds
93.433	42,939		ACL National Institute on Disability, Independent Living, and Rehabilitation Research
93.434	193,342	20,580	Every Student Succeeds Act/Preschool Development Grants
93.435	48,471		Innovative State and Local Public Health Strategies to prevent and Manage Diabetes and Heart Disease and Stroke
93.436	356,397	144,246	Well-Integrated Screening and Evaluation for Women Across the Nation (Wisewoman)
93.439	186,442	32,924	State Physical Activity and Nutrition (SPAN)
93.500	44,662		Pregnancy Assistance Fund Program
93.505	2		Affordable Care Act (ACA) Maternal, Infant, and Early Childhood Home Visiting Program
93.516	53,639		Public Health Training Centers Program
93.521	45,321		The Affordable Care Act: Building Epidemiology, Laboratory, and Health Information Systems Capacity in the Epidemiology and Laboratory Capacity for Infectious Disease (ELC) and Emerging Infections Program (EIP) Cooperative Agreements; PPHF
93.539	4,347	4,347	PPHF Capacity Building Assistance to Strengthen Public Health Immunization Infrastructure and Performance financed in part by Prevention and Public Health Funds
93.556	14,407,832	12,135,997	Promoting Safe and Stable Families
93.560	(17,264)		Family Support Payments to States Assistance Payments
93.563	108,010,581	92,601,789	Child Support Enforcement
93.566	4,698,617	3,685,753	Refugee and Entrant Assistance State/Replacement Designee Administered Programs
93.568	94,548,828	90,746,387	Low-Income Home Energy Assistance
93.569	17,171,581	15,715,045	Community Services Block Grant
93.576	322,476	239,221	Refugee and Entrant Assistance Discretionary Grants
93.584	477,745	457,518	Refugee and Entrant Assistance Targeted Assistance Grants
93.586	556,458		State Court Improvement Program
93.590	1,229,777	1,110,193	Community-Based Child Abuse Prevention Grants
93.597	320,466		Grants to States for Access and Visitation Programs
93.599	958,475	958,475	Chafee Education and Training Vouchers Program (ETV)
93.600	239,354		Head Start
93.603	309,950		Adoption and Legal Guardianship Incentive Payments
93.610	24,031		Health Care Innovation Awards (HCIA)
93.630	1,801,470	672,701	Developmental Disabilities Basic Support and Advocacy Grants
93.643	290,139	88,142	Children's Justice Grants to States
93.645	8,046,498	4,295,428	Stephanie Tubbs Jones Child Welfare Services Program
93.647	79,284		Social Services Research and Demonstration
93.652	47,087		Adoption Opportunities
93.658	109,457,726	98,043,496	Foster Care Title IV-E
93.659	62,233,346	4,360,954	Adoption Assistance
93.667	69,827,335	63,106,531	Social Services Block Grant
93.669	671,182	18,722	Child Abuse and Neglect State Grants
93.671	2,751,947	2,626,583	Family Violence Prevention and Services/Domestic Violence Shelter and Supportive Services
93.674	2,854,347	2,664,659	Chafee Foster Care Independence Program
93.732	2,599,282		Mental and Behavioral Health Education and Training Grants
93.734	236,918	84,282	Empowering Older Adults and Adults with Disabilities through Chronic Disease Self-Management Education Programs - financed by Prevention and Public Health Funds (PPHF)
93.735	553,380		State Public Health Approaches for Ensuring Quitline Capacity - Funded in part by Prevention and Public Health Funds (PPHF)

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (SUMMARY)

For the Fiscal Year Ended June 30, 2019

Federal CFDA Number	Program Expenditures	Subrecipient Expenditures	CFDA Program Title or Cluster Title
93.738	14,800		PPHF: Racial and Ethnic Approaches to Community Health Program financed solely by Public Prevention and Health Funds
93.753	57,987		Child Lead Poisoning Prevention Surveillance financed in part by Prevention and Public Health (PPHF) Program
93.757	1,365,952		State and Local Public Health Actions to Prevent Obesity, Diabetes, Heart Disease and Stroke (PPHF)
93.758	(1,718,682)		Preventive Health and Health Services Block Grant funded solely with Prevention and Public Health Funds (PPHF)
93.767	516,564,270	7,920,982	Children's Health Insurance Program
93.779	148,415	21,663	Centers for Medicare and Medicaid Services (CMS) Research, Demonstrations and Evaluations
93.788	27,031,485	24,216,470	Opioid STR
93.791	5,368,415		Money Follows the Person Rebalancing Demonstration
93.817	1,008,586	482,700	Hospital Preparedness Program (HPP) Ebola Preparedness and Response Activities
93.837	3,049,943	72,048	Cardiovascular Diseases Research
93.838	283,445		Lung Diseases Research
93.839	419,568	68,158	Blood Diseases and Resources Research
93.846	1,430,979	10,934	Arthritis, Musculoskeletal and Skin Diseases Research
93.847	2,307,511	70,516	Diabetes, Digestive, and Kidney Diseases Extramural Research
93.853	1,588,765	4,466	Extramural Research Programs in the Neurosciences and Neurological Disorders
93.855	3,479,082	461,196	Allergy and Infectious Diseases Research
93.856	18,275	15,627	Microbiology and Infectious Diseases Research
93.859	6,595,868	185,930	Biomedical Research and Research Training
93.865	3,026,058	94,984	Child Health and Human Development Extramural Research
93.866	2,535,895	38,974	Aging Research
93.867	258,685	55,148	Vision Research
93.870	3,189,057	2,423,661	Maternal, Infant and Early Childhood Home Visiting Grant Program
93.876	100,850		Antimicrobial Resistance Surveillance in Retail Food Specimens
93.879	15,668		Medical Library Assistance
93.881	562,292		The Health Insurance Enforcement and Consumer Protections Grant Program
93.884	571,723		Grants for Primary Care Training and Enhancement
93.898	4,271,018	1,797,965	Cancer Prevention and Control Programs for State, Territorial and Tribal Organizations
93.913	139,800		Grants to States for Operation of State Offices of Rural Health
93.917	46,020,107	6,683,947	HIV Care Formula Grants
93.918	913,728		Grants to Provide Outpatient Early Intervention Services with Respect to HIV Disease
93.926	2,397,863	1,093,291	Healthy Start Initiative
93.928	25,715		Special Projects of National Significance
93.933	75,123	40,673	Demonstration Projects for Indian Health
93.940	9,621,792	1,649,085	HIV Prevention Activities Health Department Based
93.941	23,347		HIV Demonstration, Research, Public and Professional Education Projects
93.944	588,527		Human Immunodeficiency Virus (HIV)/Acquired Immunodeficiency Virus Syndrome (AIDS) Surveillance
93.945	272,834	43,313	Assistance Programs for Chronic Disease Prevention and Control
93.946	134,148		Cooperative Agreements to Support State-Based Safe Motherhood and Infant Health Initiative Programs
93.958	12,636,014	11,297,558	Block Grants for Community Mental Health Services
93.959	40,408,654	36,692,473	Block Grants for Prevention and Treatment of Substance Abuse
93.969	754,107	99,829	PPHF Geriatric Education Centers
93.977	2,761,798	12,065	Sexually Transmitted Diseases (STD) Prevention and Control Grants
93.981	283,929		Improving Student Health and Academic Achievement through Nutrition, Physical Activity and the Management of Chronic Conditions in Schools
93.991	6,483,368	5,124,830	Preventive Health and Health Services Block Grant
93.994	19,770,945	16,363,572	Maternal and Child Health Services Block Grant to the States
93.U01	87,785		U. S. Department of Health and Human Services
93.U02	440,061		U. S. Department of Health and Human Services
93.U03	2,748		U. S. Department of Health and Human Services
93.U04	(633)		U. S. Department of Health and Human Services
94.002	144,517		Retired and Senior Volunteer Program
94.003	283,217		State Commissions
94.006	2,930,195	2,930,195	AmeriCorps
94.009	223,002		Training and Technical Assistance
94.019	1,357,690	253,378	Social Innovation Fund
94.026	34,706		National Service and Civic Engagement Research Competition
96.008	262,301		Social Security - Work Incentives Planning and Assistance Program
96.U01	210,052		U. S. Social Security Administration
97.005	188,595		State and Local Homeland Security National Training Program
97.012	3,155,942		Boating Safety Financial Assistance
97.023	540,734		Community Assistance Program State Support Services Element (CAP-SSSE)
97.029	2,566,105	2,291,833	Flood Mitigation Assistance
97.032	4,177,258		Crisis Counseling
97.036	202,269,536	83,633,985	Disaster Grants - Public Assistance (Presidentially Declared Disasters)

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (SUMMARY)

For the Fiscal Year Ended June 30, 2019

Federal			
CFDA	Program	Subrecipient	
Number	Expenditures	Expenditures	CFDA Program Title or Cluster Title
97.039	4,998,641	4,231,520	Hazard Mitigation Grant
97.041	182,063		National Dam Safety Program
97.042	8,848,421	4,667,654	Emergency Management Performance Grants
97.043	26,837		State Fire Training Systems Grants
97.044	1,633,998	212,748	Assistance to Firefighters Grant
97.045	4,222,371		Cooperating Technical Partners
97.046	6,508,167		Fire Management Assistance Grant
97.047	159,689	64,706	Pre-Disaster Mitigation
97.056	156,026		Port Security Grant Program
97.061	68,618		Centers for Homeland Security
97.062	1,018,941	360	Scientific Leadership Awards
97.067	8,000,572	5,734,193	Homeland Security Grant Program
97.082	20,157		Earthquake Consortium
97.083	54,619		Staffing for Adequate Fire and Emergency Response (SAFER)
97.088	1,779,896		Disaster Assistance Projects
97.108	191,014		Homeland Security, Research, Testing, Evaluation, and Demonstration of Technologies
97.U01	5,633		U. S. Department of Homeland Security
98.001	166,828	5,827	USAID Foreign Assistance for Programs Overseas
98.012	4,524		USAID Development Partnerships for University Cooperation and Development
98.U01	10,158		United States Agency for International Development
99.U01	131,384		Other Federal Assistance
	\$ 21,496,445,575	\$ 3,501,404,996	Total Expenditures of Federal Awards

The accompanying notes are an integral part of this schedule.

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)

For the Fiscal Year Ended June 30, 2019

Federal CFDA Number	Direct / Indirect	Program Expenditures	Amount Provided to Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
Aging—Cluster:							
U. S. Department of Health and Human Services							
93.044	D	14,580,764	13,843,408	Special Programs for the Aging, Title III, Part B, Grants for Supportive Services and Senior Centers			
93.045	D	17,894,839	16,745,682	Special Programs for the Aging, Title III, Part C, Nutrition Services			
93.053	D	3,342,638	3,342,638	Nutrition Services Incentive Program			
		<u>35,818,241</u>	<u>33,931,728</u>	Total — Aging Cluster — U. S. Department of Health and Human Services			
		<u>35,818,241</u>	<u>33,931,728</u>	Total — Aging			
Child Care and Development Fund—Cluster:							
U. S. Department of Health and Human Services							
93.575	D	193,849,401	18,524,342	Child Care and Development Block Grant			
93.596	D	121,638,946	18,126,930	Child Care Mandatory and Matching Funds of the Child Care and Development Fund			
		<u>315,488,347</u>	<u>36,651,272</u>	Total — CCDF Cluster — U. S. Department of Health and Human Services			
		<u>315,488,347</u>	<u>36,651,272</u>	Total — CCDF			
Child Nutrition—Cluster:							
U. S. Department of Agriculture							
10.553	D	136,538,112	136,517,613	School Breakfast Program			
10.555	D	427,406,532	427,368,679	National School Lunch Program			
10.556	D	89,149	89,149	Special Milk Program for Children			
10.559	D	14,269,449	13,669,451	Summer Food Service Program for Children			
		<u>578,303,242</u>	<u>577,644,892</u>	Total — Child Nutrition Cluster — U. S. Department of Agriculture			
		<u>578,303,242</u>	<u>577,644,892</u>	Total — Child Nutrition			
Clean Water State Revolving Fund—Cluster:							
U. S. Environmental Protection Agency							
66.458	D	28,971,289	27,772,266	Capitalization Grants for Clean Water State Revolving Funds			
		<u>28,971,289</u>	<u>27,772,266</u>	Total — Clean Water State Revolving Fund Cluster — U. S. Environmental Protection Agency			
		<u>28,971,289</u>	<u>27,772,266</u>	Total — Clean Water State Revolving Fund			
Disability Insurance/SSI—Cluster:							
Social Security Administration							
96.001	D	57,331,817	-	Social Security Disability Insurance			
		<u>57,331,817</u>	<u>-</u>	Total — Disability Insurance/SSI Cluster — Social Security Administration			
		<u>57,331,817</u>	<u>-</u>	Total — Disability Insurance/SSI			
Drinking Water State Revolving Fund—Cluster:							
U. S. Environmental Protection Agency							
66.468	D	32,633,302	23,527,624	Capitalization Grants for Drinking Water State Revolving Funds			
		<u>32,633,302</u>	<u>23,527,624</u>	Total — Drinking Water State Revolving Fund Cluster — U. S. Environmental Protection Agency			
		<u>32,633,302</u>	<u>23,527,624</u>	Total — Drinking Water State Revolving Fund			
Food Distribution—Cluster:							
U. S. Department of Agriculture							
10.565	D	867,455	859,571	Commodity Supplemental Food Program			
10.568	D	3,254,237	2,059,191	Emergency Food Assistance Program (Administrative Costs)			
10.569	D	22,824,815	22,824,815	Emergency Food Assistance Program (Food Commodities)			
		<u>26,946,507</u>	<u>25,743,577</u>	Total — Food Distribution Cluster — U. S. Department of Agriculture			
		<u>26,946,507</u>	<u>25,743,577</u>	Total — Food Distribution			

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)

For the Fiscal Year Ended June 30, 2019

Federal CFDA Number	Direct / Indirect	Program Expenditures	Amount Provided to Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
Employment Service—Cluster:							
U. S. Department of Labor							
17.207	D	25,284,043	-	Employment Service/Wagner-Peyser Funded Activities			
17.801	D	5,385,029	-	Disabled Veterans' Outreach Program (DVOP)			
17.804	D	7,427	-	Local Veterans' Employment Representative Program			
		<u>30,676,499</u>	<u>-</u>	Total — Employment Service Cluster — U. S. Department of Labor			
		<u>30,676,499</u>	<u>-</u>	Total — Employment Service			
Fish and Wildlife—Cluster:							
U. S. Department of Interior							
15.605	D	10,635,081	225,190	Sport Fish Restoration			
15.605	I	95,749	-	Sport Fish Restoration	2014-000065	Puerto Rico Dendr	
15.611	D	15,948,487	1,094,646	Wildlife Restoration and Basic Hunter Education			
15.611	I	2,614	-	Wildlife Restoration and Basic Hunter Education	2016-000092	Puerto Rico Dendr	
		<u>26,681,931</u>	<u>1,319,836</u>	Total — Fish and Wildlife Cluster — U. S. Department of Interior			
		<u>26,681,931</u>	<u>1,319,836</u>	Total — Fish and Wildlife			
Federal Transit—Cluster:							
U. S. Department of Transportation							
20.507	D	1,430,280	1,418,906	Federal Transit Formula Grants			
20.526	D	5,776,999	5,776,999	Bus and Bus Facilities Formula Program			
		<u>7,207,279</u>	<u>7,195,905</u>	Total — Federal Transit Cluster — U. S. Department of Transportation			
		<u>7,207,279</u>	<u>7,195,905</u>	Total — Federal Transit			
Foster Grandparent/Senior Companion—Cluster:							
Corporation for National and Community Service							
94.011	D	379,096	-	Foster Grandparent Program			
94.016	D	251,185	-	Senior Companion Program			
		<u>630,281</u>	<u>-</u>	Total — Foster Grandparent/Senior Companion Cluster — Corporation for National and Community Service			
		<u>630,281</u>	<u>-</u>	Total — Foster Grandparent/Senior Companion			
Health Center—Cluster:							
U. S. Department of Health and Human Services							
93.224	D	3,137,339	2,196,741	Health Center Program (Community Health Centers, Migrant Health Centers, Health Care for the Homeless, and Public Housing Primary Care)			
		<u>3,137,339</u>	<u>2,196,741</u>	Total — Health Center Cluster — U. S. Department of Health and Human Services			
		<u>3,137,339</u>	<u>2,196,741</u>	Total — Health Center			
Highway Planning and Construction—Cluster:							
U. S. Department of Transportation							
20.205	D	1,373,839,184	66,083,803	Highway Planning and Construction			
20.205	I	4,638	3,327	Highway Planning and Construction	14983 / FY 2017 / 2018	City Of Durham	
20.205	I	156,935	24,773	Highway Planning and Construction	TRM 18/19 DURHAM	City Of Durham	
20.205	I	25,667	-	Highway Planning and Construction	N/A	HDR Engineering, Inc. , Minnesota	
20.205	I	2,868	-	Highway Planning and Construction	B038	Toole Design Group	
20.219	D	1,103,498	-	Recreational Trails Program			
23.003	D	11,337,034	-	Appalachian Development Highway System			
		<u>1,386,469,824</u>	<u>66,111,903</u>	Total — Highway Planning and Construction Cluster — U. S. Department of Transportation			
		<u>1,386,469,824</u>	<u>66,111,903</u>	Total — Highway Planning and Construction			

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)

For the Fiscal Year Ended June 30, 2019

Federal CFDA Number	Direct / Indirect	Program Expenditures	Amount Provided to Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
Housing Voucher—Cluster:							
U. S. Department of Housing and Urban Development							
14.871	D	4,494,232	3,987,182	Section 8 Housing Choice Vouchers			
		4,494,232	3,987,182	Total — Housing Voucher Cluster — U. S. Department of Housing and Urban Development			
		4,494,232	3,987,182	Total — Housing Voucher			
Highway Safety—Cluster:							
U. S. Department of Transportation							
20.600	D	5,155,405	1,625,762	State and Community Highway Safety			
20.600	I	36,491	-	State and Community Highway Safety	2000029054	Governor's Highway Safety Program	
20.609	I	4,118	-	Safety Belt Performance Grants	DTNH2216C00025 / 2016-014	Toxcel, Llc	
20.616	D	8,178,026	1,176,549	National Priority Safety Programs			
		13,374,040	2,802,311	Total — Highway Safety Cluster — U. S. Department of Transportation			
		13,374,040	2,802,311	Total — Highway Safety			
Medicaid—Cluster:							
U. S. Department of Health and Human Services							
93.775	D	3,954,259	-	State Medicaid Fraud Control Units			
93.777	D	16,422,700	-	State Survey and Certification of Health Care Providers and Suppliers (Title XVIII) Medicare			
93.778	D	9,561,523,366	247,456,705	Medical Assistance Program			
93.778	I	51,749	-	Medical Assistance Program	1-312-0215922-65095L	Research Triangle Institute (RTI Interna)	
		9,581,952,074	247,456,705	Total — Medicaid Cluster — U. S. Department of Health and Human Services			
		9,581,952,074	247,456,705	Total — Medicaid			
Economic Development—Cluster:							
U. S. Department of Commerce							
11.300	D	2,517,493	-	Investments for Public Works and Economic Development Facilities			
11.307	I	2	-	Economic Adjustment Assistance	2015-0396	Advantage West	
		2,517,495	-	Total — Economic Development Cluster — U. S. Department of Commerce			
		2,517,495	-	Total—Economic Development			
Research and Development—Cluster:							
U. S. Department of Agriculture							
10.001	D	1,639,618	-	Agricultural Research Basic and Applied Research			
10.025	D	8,143,072	164,145	Plant and Animal Disease, Pest Control, and Animal Care			
10.025	I	73,801	-	Plant and Animal Disease, Pest Control, and Animal Care	01-15	Commission For The Eradication	
10.025	I	18,424	-	Plant and Animal Disease, Pest Control, and Animal Care	6062-BBYR5-NC	Rutgers University	
10.025	I	55,561	-	Plant and Animal Disease, Pest Control, and Animal Care	422603-19071	Virginia Polytech Inst.	
10.200	D	33,499	-	Grants for Agricultural Research, Special Research Grants			
10.200	I	203,420	17,500	Grants for Agricultural Research, Special Research Grants	S19005	Kansas State University	
10.203	D	10,881,639	-	Payments to Agricultural Experiment Stations Under the Hatch Act			
10.290	D	11,566	-	Agricultural Market and Economic Research			
10.310	D	6,012,762	648,486	Agriculture and Food Research Initiative (AFRI)			
10.310	I	90,132	-	Agriculture and Food Research Initiative (AFRI)	73934-10464	Cornell University	
10.310	I	25,885	-	Agriculture and Food Research Initiative (AFRI)	83669-11063	Cornell University	
10.310	I	15,168	-	Agriculture and Food Research Initiative (AFRI)	S14148	Kansas State University	
10.310	I	64,730	-	Agriculture and Food Research Initiative (AFRI)	RC104967NCSU	Michigan State University	
10.310	I	165,098	-	Agriculture and Food Research Initiative (AFRI)	RC105883NCSU	Michigan State University	
10.310	I	28,350	-	Agriculture and Food Research Initiative (AFRI)	60044791	Ohio State Univ.	
10.310	I	104,418	-	Agriculture and Food Research Initiative (AFRI)	C0490A-A	Oregon State Univ.	
10.310	I	232,937	232,937	Agriculture and Food Research Initiative (AFRI)	2015-68004-23179	Pennsylvania State Univ	
10.310	I	671,220	392,312	Agriculture and Food Research Initiative (AFRI)	5197-NCSU-USDA-3179	Pennsylvania State Univ	
10.310	I	19,214	-	Agriculture and Food Research Initiative (AFRI)	8000053331-AG	Purdue University	
10.310	I	121,455	-	Agriculture and Food Research Initiative (AFRI)	F9002711902003	Purdue University	
10.310	I	22,339	-	Agriculture and Food Research Initiative (AFRI)	0467 PO# 864010	Rutgers University	

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)

For the Fiscal Year Ended June 30, 2019

Federal CFDA Number	Direct / Indirect	Program Expenditures	Amount Provided to Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
10.310	I	116,254	-	Agriculture and Food Research Initiative (AFRI)	201223090-03	Univ Of Cal - Davis	
10.310	I	40,910	-	Agriculture and Food Research Initiative (AFRI)	A19-0080-S001	Univ Of Cal - Davis	
10.310	I	179,581	-	Agriculture and Food Research Initiative (AFRI)	UFDP00011871 P0051625	Univ Of Florida	
10.310	I	4,683	-	Agriculture and Food Research Initiative (AFRI)	RC371-291/S001200	Univ Of Georgia	
10.310	I	15,971	-	Agriculture and Food Research Initiative (AFRI)	SUB00000769	Univ Of Georgia	
10.310	I	75,580	-	Agriculture and Food Research Initiative (AFRI)	SUB00000789	Univ Of Georgia	
10.310	I	13,242	-	Agriculture and Food Research Initiative (AFRI)	078873-16463	Univ Of Illinois - Urbana	
10.310	I	14,137	-	Agriculture and Food Research Initiative (AFRI)	3200001832-18-312	Univ Of Kentucky	
10.310	I	107,734	-	Agriculture and Food Research Initiative (AFRI)	Z5775007	Univ Of Maryland, College Par	
10.310	I	219	-	Agriculture and Food Research Initiative (AFRI)	52672-Z5004201	Univ Of Maryland, College Park	
10.310	I	2,166	-	Agriculture and Food Research Initiative (AFRI)	Z5776003	Univ Of Maryland, College Park	
10.310	I	(104)	-	Agriculture and Food Research Initiative (AFRI)	16-007995 D 00	Univ Of Massachusetts	
10.310	I	30,585	-	Agriculture and Food Research Initiative (AFRI)	17 009835 A 00	Univ Of Massachusetts	
10.310	I	4,108	-	Agriculture and Food Research Initiative (AFRI)	H006644301	Univ Of Minnesota	
10.310	I	7,759	-	Agriculture and Food Research Initiative (AFRI)	25-6226-0546-009	Univ Of Nebraska-Lincoln	
10.310	I	1,013	-	Agriculture and Food Research Initiative (AFRI)	8500022696	Univ Of Tennessee	
10.310	I	71,737	-	Agriculture and Food Research Initiative (AFRI)	8500050750	Univ Of Tennessee	
10.310	I	4,824	-	Agriculture and Food Research Initiative (AFRI)	9500077010	Univ Of Tennessee	
10.310	I	1,285	-	Agriculture and Food Research Initiative (AFRI)	25574 2011-67003-30228	University Of Delaware	
10.310	I	60,692	-	Agriculture and Food Research Initiative (AFRI)	422585-19071	Virginia Polytech Inst.	
10.310	I	3,672	-	Agriculture and Food Research Initiative (AFRI)	545892-19071	Virginia Polytech Inst.	
10.310	I	9,540	-	Agriculture and Food Research Initiative (AFRI)	16-012	Wake Forest University	
10.310	I	45,140	-	Agriculture and Food Research Initiative (AFRI)	126319-G003570	Washington State University	
10.310	I	617	-	Agriculture and Food Research Initiative (AFRI)	19-060-NCSU	West Virginia Univ. Research	
10.351	D	75,346	-	Rural Business Development Grant			
10.446	D	11,074	-	Rural Community Development Initiative			
10.500	D	18,744,100	112,700	Cooperative Extension Service			
10.500	I	11,278	-	Cooperative Extension Service	C00059381-3	Curators Of Univ Of Missouri	
10.500	I	12,841	-	Cooperative Extension Service	S17134	Kansas State University	
10.500	I	162,815	-	Cooperative Extension Service	S18041	Kansas State University	
10.500	I	57,561	-	Cooperative Extension Service	S19082	Kansas State University	
10.500	I	311,956	-	Cooperative Extension Service	RC105427NCSU	Michigan State University	
10.500	I	9,310	-	Cooperative Extension Service	5559-NCSU-UM-9802	Pennsylvania State Univ	
10.500	I	36,467	-	Cooperative Extension Service	5969-NCSU-UM-3501	Pennsylvania State Univ	
10.500	I	6,148	-	Cooperative Extension Service	310111-17	Univ Of Arkansas	
10.500	I	26,052	16,697	Cooperative Extension Service	Subaward No.21667-16	Univ Of Arkansas	
10.902	D	7,882	-	Soil and Water Conservation			
10.RD	D	181,762	26,395	U. S. Department of Agriculture			17-JV-11272138-069
10.RD	D	20,000	-	U. S. Department of Agriculture			800-0100-001-00065
10.RD	D	3,348	-	U. S. Department of Agriculture			A16-1660-001
10.RD	D	6,177	-	U. S. Department of Agriculture			A17-1403-001
10.RD	D	17,462	-	U. S. Department of Agriculture			A18-0348-001
10.RD	D	136	-	U. S. Department of Agriculture			A19-0197-001
10.RD	D	12,602	-	U. S. Department of Agriculture			G-240741
10.RD	I	26,455	-	U. S. Department of Agriculture	Subaward No:ASU330109	Alcorn State University	G-280897
10.RD	I	80,160	-	U. S. Department of Agriculture	T15GXTASC	American Seed Trade Assoc	2018-2373
10.RD	I	282	-	U. S. Department of Agriculture	18-04-NCSU	Christmas Tree Promotion Board	2019-1611
10.RD	I	287,437	9,998	U. S. Department of Agriculture	534667	Found. For Food & Agri. Res	5-34667
10.RD	I	5,701	-	U. S. Department of Agriculture	Letter Dated 8/25/2017	Nanodiagnostic Technology, LLC	G-280983
10.RD	I	41,500	-	U. S. Department of Agriculture	19-86	Potatoes USA	2019-0830
10.RD	I	261,330	-	U. S. Department of Agriculture	1-312-0215472-52847L	RTI International	USDAFISISAG3A94D160130
10.RD	I	322,145	-	U. S. Department of Agriculture	1-312-0216148-65141L	RTI International	USDAFISISAG3A94D160138
10.RD	I	4,906	-	U. S. Department of Agriculture	M1801860	Texas A&M Agrilife Research	M1801860
10.RD	I	23,193	-	U. S. Department of Agriculture	E17-05	U.S. Endow For Forest & Comm.	16-JV-11111106-053
10.RD	I	89,732	-	U. S. Department of Agriculture	E17-99	U.S. Endow For Forest & Comm.	16-JV-11111136-094
10.RD	I	6,108	-	U. S. Department of Agriculture	201700387-02-NCSU-BATTS	Univ Of Cal - Davis	SPO#201700387
10.RD	I	10,690	-	U. S. Department of Agriculture	2019-0470-K	Univ Of Georgia	2019-0470
10.RD	I	7,809	-	U. S. Department of Agriculture	UMES Subaward Signed 12/12/16	University of Maryland Eastern Shore	G-280949
10.RD	I	2,072	-	U. S. Department of Agriculture	1600013/ SR00004155	University of Maryland at Baltimore (UMB)	A15-1704-001
10.RD	I	10,941	-	U. S. Department of Agriculture	Subaward No: H006425303	University of Minnesota	G-280996
		50,340,431	1,621,170	Total — Research and Development — U. S. Department of Agriculture			

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For the Fiscal Year Ended June 30, 2019

Federal CFDA Number	Direct / Indirect	Program Expenditures	Amount Provided to Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
U. S. Department of Commerce							
11.012	D	55,028	-	Integrated Ocean Observing System (IOOS)			
11.012	I	(1)	-	Integrated Ocean Observing System (IOOS)	433894/S1574936	Rutgers the State University of New Jersey	
11.012	I	136,845	-	Integrated Ocean Observing System (IOOS)	IOOS.16(028)UNCCH.HS	SECOORA Program	
11.012	I	7,104	-	Integrated Ocean Observing System (IOOS)	2013-001	Southeastern Universities Research Assoc	
11.020	D	1,548	-	Cluster Grants			
11.020	I	29,704	-	Cluster Grants	343-0585	Duke University	
11.303	D	137,545	-	Economic Development Technical Assistance			
11.419	I	304,130	-	Coastal Zone Management Administration Awards	3004232333	University of Michigan Board of Regents	
11.419	I	2,065	-	Coastal Zone Management Administration Awards	290130D	University of Oregon	
11.431	D	135,213	-	Climate and Atmospheric Research			
11.431	I	153,702	-	Climate and Atmospheric Research	17-3250/PO2000030010	University of South Carolina (USC)	
11.431	I	4,395	-	Climate and Atmospheric Research	18-3422/ PO 20000363	University of South Carolina (USC)	
11.431	I	195	-	Climate and Atmospheric Research	PO# 2000016422	University of South Carolina (USC)	
11.459	D	-	-	Weather and Air Quality Research			
11.463	I	14,758	-	Habitat Conservation	1018	North Carolina Coastal Federation	
11.478	D	148,313	-	Center for Sponsored Coastal Ocean Research Coastal Ocean Program			
11.478	I	37,111	-	Center for Sponsored Coastal Ocean Research Coastal Ocean Program	NA288A-A	Oregon State University	
11.609	I	132,257	-	Measurement and Engineering Research and Standards	RJ118-G1	Georgia Institute of Technology	
11.619	I	203,411	-	Arrangements for Interdisciplinary Research Infrastructure	PC2.1-059	University of Delaware	
11.RD	D	511,041	128,612	U. S. Department of Commerce			A17-0434-001
11.RD	D	439	-	U. S. Department of Commerce			NB93020-A-02506
11.RD	I	7	-	U. S. Department of Commerce	2015-0454	Biohabitats Inc.	NA13NOS4200091
11.RD	I	12,652	-	U. S. Department of Commerce	G001-UNC-CH-16-001	CSS-Dynamac	A17-1103-001
11.RD	I	2,500	-	U. S. Department of Commerce	2018-2389	Secoora	2018-2389
		<u>2,029,962</u>	<u>128,612</u>	Total — Research and Development — U. S. Department of Commerce			
U. S. Department of Defense							
12.300	D	6,499,672	1,659,584	Basic and Applied Scientific Research			
12.300	I	140,237	-	Basic and Applied Scientific Research	17-206	Arizona State Univ.	
12.300	I	129,722	46,880	Basic and Applied Scientific Research	W9126G-17-2-0025	Cooperative Ecosystem Studies	
12.300	I	98,256	-	Basic and Applied Scientific Research	313-0855	Duke University	
12.300	I	19,898	-	Basic and Applied Scientific Research	KAI-ONR-2018-01	Kai, Llc	
12.300	I	5,781	-	Basic and Applied Scientific Research	M1800375	Texas A&M Agrilife Research	
12.300	I	1	-	Basic and Applied Scientific Research	UWSC6064/PO#BPO7021	University of Washington	
12.300	I	18,124	-	Basic and Applied Scientific Research	13224200	Woods Hole Oceanographic Institution	
12.351	D	840,056	105,827	Scientific Research - Combating Weapons of Mass Destruction			
12.351	I	28,731	-	Scientific Research - Combating Weapons of Mass Destruction	2002708651	Johns Hopkins University	
12.360	I	44,607	-	Research on Chemical and Biological Defense	S-10456-01	Geneva Foundation	
12.420	D	4,518,776	211,080	Military Medical Research and Development			
12.420	I	69,010	-	Military Medical Research and Development	W81XWH1810802	Collaborations Pharmaceuticals, Inc.	
12.420	I	47,461	-	Military Medical Research and Development	3130817	Duke University	
12.420	I	99,759	-	Military Medical Research and Development	S-10495-01	Geneva Foundation	
12.420	I	57,853	-	Military Medical Research and Development	S-1435-01	Geneva Foundation	
12.420	I	144,598	-	Military Medical Research and Development	3150/ 855506	Henry M Jackson Foundation	
12.420	I	14,369	-	Military Medical Research and Development	W81XWH-14-2-0151	Medical College of Wisconsin	
12.420	I	12,535	-	Military Medical Research and Development	CVRE-04	Minnesota Veterans Medical Research and	
12.420	I	27,920	-	Military Medical Research and Development	309-01	SUNY Buffalo Roswell Park Cancer Institute	
12.420	I	2,074	-	Military Medical Research and Development	3200001006-17-129/ 7	University of Kentucky Research Foundation	
12.420	I	120,588	-	Military Medical Research and Development	VUMC62768	Vanderbilt University	
12.431	D	1,423,848	-	Basic Scientific Research			
12.431	I	196,579	-	Basic Scientific Research	574211	Trustees of the Univ. of Pennsylvania	
12.431	I	29,708	-	Basic Scientific Research	E256GVA026	University of California at Merced	
12.431	I	106,082	-	Basic Scientific Research	92689088	University of Southern California (USC)	
12.598	D	392,426	167,926	Centers for Academic Excellence			
12.750	I	204,692	-	Uniformed Services University Medical Research Projects	2830084	Duke University	
12.800	D	776,006	225,420	Air Force Defense Research Sciences Program			
12.800	I	359,303	-	Air Force Defense Research Sciences Program	010635-002	University of Cincinnati	
12.800	I	108,787	-	Air Force Defense Research Sciences Program	25-1123-0042-002	University of Nebraska at Lincoln	
12.800	I	-	-	Air Force Defense Research Sciences Program	12-2113	University of South Carolina (USC)	
12.901	D	(486)	-	Mathematical Sciences Grants			
12.910	D	529,653	63,308	Research and Technology Development			

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Federal CFDA Number	Direct / Indirect	Program Expenditures	Amount Provided to Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
12.910	I	10,510	-	Research and Technology Development	3130714	Duke University	
12.910	I	(303)	-	Research and Technology Development	49738-Z9315101	University of Maryland	
12.RD	D	3,518	-	U. S. Department of Defense			2018-3165
12.RD	D	2,789	-	U. S. Department of Defense			2019-2434
12.RD	D	2,500	-	U. S. Department of Defense			A14-0166-001
12.RD	D	177,509	-	U. S. Department of Defense			A17-0233-001
12.RD	D	625,605	350,812	U. S. Department of Defense			A17-1205-001
12.RD	D	42,950	-	U. S. Department of Defense			A18-0086-001
12.RD	D	112,794	-	U. S. Department of Defense			A18-1156-001
12.RD	D	332,041	-	U. S. Department of Defense			A18-1547-001
12.RD	D	47,993	-	U. S. Department of Defense			A19-0058-001
12.RD	D	26,042	-	U. S. Department of Defense			A19-1332-001
12.RD	D	55	-	U. S. Department of Defense			D19AP00026
12.RD	D	504,476	398,013	U. S. Department of Defense			G-210169
12.RD	D	90,014	-	U. S. Department of Defense			G-210183
12.RD	D	111,458	-	U. S. Department of Defense			G-210205
12.RD	D	24,566	-	U. S. Department of Defense			G-210221
12.RD	D	125,106	125,106	U. S. Department of Defense			H98230-14-C-0139_x000D
12.RD	D	2,746,070	665,842	U. S. Department of Defense			H98230-19-D-0012
12.RD	D	117,944	35,000	U. S. Department of Defense			HQ0147-15-C-6008
12.RD	D	7,020	-	U. S. Department of Defense			W81EWF61540373
12.RD	D	57,157	25,655	U. S. Department of Defense			W81XWH-17-C-0054
12.RD	D	(2,058)	-	U. S. Department of Defense			W911NF-04-D-003-0009
12.RD	D	33,359	-	U. S. Department of Defense			W911QY-16-P-0197
12.RD	D	153,440	-	U. S. Department of Defense			W912HZ-17-2-0010
12.RD	D	28,563	-	U. S. Department of Defense			W912HZ-17-2-0018
12.RD	D	29,292	-	U. S. Department of Defense			W912HZ18C0026
12.RD	D	145,166	-	U. S. Department of Defense			W91CRB-13-C-0049
12.RD	I	39,275	-	U. S. Department of Defense	2018-3344	Aded Lic	W911NF19P0027
12.RD	I	(9,585)	-	U. S. Department of Defense	2016-0408	Adroit Materials, Inc.	W56KGU-15-C-0052
12.RD	I	38,752	-	U. S. Department of Defense	2017-0194	Adroit Materials, Inc.	W911NF-16-C-0101
12.RD	I	97,773	-	U. S. Department of Defense	2018-0858	Adroit Materials, Inc.	N6893617C0068
12.RD	I	34,145	-	U. S. Department of Defense	2019-1688	Adroit Materials, Inc.	W911NF1P0016
12.RD	I	33,416	-	U. S. Department of Defense	218-884 PROJ AGMT NO. 1	Advanced Technology Intl	2018-884
12.RD	I	79,167	-	U. S. Department of Defense	58-3020-8-11	All Things Bugs, Llc	140D6318C0055
12.RD	I	116	-	U. S. Department of Defense	S-001542.11.NCSU	Applied Research Assoc. (Ara)	W911NF-12-C-0067
12.RD	I	48,672	-	U. S. Department of Defense	S-002752.02.BASIC.UN	Applied Research Associates, Inc.	A15-1715-001
12.RD	I	176,079	-	U. S. Department of Defense	S-255-003253-01-UNC	Applied Research Associates, Inc.	A17-1640-001
12.RD	I	70,057	-	U. S. Department of Defense	N39430-17-C-1941	Aptim	N39430-17-C-1941
12.RD	I	(1,069)	-	U. S. Department of Defense	541168 / US001-0000541168	Battelle Memorial Institute	W911NF-11-D-0001
12.RD	I	15,629	-	U. S. Department of Defense	PO # US001-0000720922	Battelle Memorial Institute	FA8075-14-F-0003/DO 0003
12.RD	I	71,866	-	U. S. Department of Defense	1625275	Boeing Company	PO 1625275
12.RD	I	208,651	12,246	U. S. Department of Defense	108781SB3J	Booz Allen Hamilton, Inc.	FA8650-12-D-3211
12.RD	I	140,563	-	U. S. Department of Defense	15-0459	Brigham Young University	W900KK-15-C-0028
12.RD	I	80,715	-	U. S. Department of Defense	2016-2913	Calabazas Creek Research, Inc.	N00253-16-C-002
12.RD	I	36,872	-	U. S. Department of Defense	1130225-397261	Carnegie Mellon University (CMU)	A18-1491-001
12.RD	I	85,683	51,000	U. S. Department of Defense	NCAT K16-S7700-03-C2	Clarkson Aerospace	G-280952
12.RD	I	22,316	-	U. S. Department of Defense	SUB# NCAT D 18-S7700-04-C2	Clarkson Aerospace	G-281001
12.RD	I	16,174	-	U. S. Department of Defense	SUBC NO: NCAT 16-S7700-04-C2	Clarkson Aerospace	G-280920
12.RD	I	69,381	-	U. S. Department of Defense	2017-SC003	Coherent Technical Serv, Inc.	N68335-18-C-0007
12.RD	I	65,687	-	U. S. Department of Defense	CV17010-01	Control Vision, Inc.	FA8650-16-C-2717
12.RD	I	3,165	-	U. S. Department of Defense	CVI7007-01	Control Vision, Inc.	FA8650-14-C-2434
12.RD	I	73,280	-	U. S. Department of Defense	86956	Creare, Inc.	A17-0988-001
12.RD	I	(66)	-	U. S. Department of Defense	17-0128-24-6103	Dignitas Technologies, Llc.	N61340-14-C-6103
12.RD	I	732	-	U. S. Department of Defense	17-0228-24-6103	Dignitas Technologies, Llc.	N61340-14-C-6103
12.RD	I	51,167	-	U. S. Department of Defense	313-0868	Duke University	A18-1565-001
12.RD	I	23,052	-	U. S. Department of Defense	3130816	Duke University	A18-1436-001
12.RD	I	530	-	U. S. Department of Defense	N/A	Duke University	A17-1693-001
12.RD	I	(2)	-	U. S. Department of Defense	1003025.0025	Ecology And Environment, Inc.	1-003025.0025
12.RD	I	69,322	-	U. S. Department of Defense	Subcontract/PO #PS180003	Engineering Research and Consulting, Inc.	G-281010
12.RD	I	138,662	-	U. S. Department of Defense	2018-3095	Espira, Inc	W911QY-17-C-0032
12.RD	I	64,453	-	U. S. Department of Defense	S-40037-0013-01	Geneva Foundation	A18-0822-001

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Federal CFDA Number	Direct / Indirect	Program Expenditures	Amount Provided to Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
12.RD	I	300,552	-	U. S. Department of Defense	RH512-G1	Georgia Institute of Technology Research	A17-0825-001
12.RD	I	33,032	-	U. S. Department of Defense	N/A	Henry M Jackson Foundation	A19-0969-001
12.RD	I	(18)	-	U. S. Department of Defense	210-001-2015-NCSU	Institute For Wildlife Studies	W911QY-17-C-0032
12.RD	I	44,774	-	U. S. Department of Defense	2363-1	Intelligent Automation, Inc.	140D6318C0059
12.RD	I	70,929	-	U. S. Department of Defense	2392-1	Intelligent Automation, Inc.	FA8651-18-9-007
12.RD	I	157,304	-	U. S. Department of Defense	342902NCSU	LUNA Innovations, Inc	W911QY-18-C-0003
12.RD	I	291	-	U. S. Department of Defense	349001NCSU	Luna Innovations, Inc	349001NCSU
12.RD	I	485	-	U. S. Department of Defense	3577.01NCSU	Luna Innovations, Inc	W912HQ-19-P-0014
12.RD	I	42,444	-	U. S. Department of Defense	364301NCSU	Luna Innovations, Inc	N68335-19-C-0079
12.RD	I	128,363	54,775	U. S. Department of Defense	Sub# D01-W911SR-14-2-0001-0019	MSRDC	G-280978
12.RD	I	63,089	-	U. S. Department of Defense	Sub# D01-W911SR-14-2-001-0026	MSRDC	G-281000
12.RD	I	36,213	-	U. S. Department of Defense	DSC3130-01	Macaulay-Brown, Inc.	FA8075-14-D-0019
12.RD	I	30,001	-	U. S. Department of Defense	DSC3130-02	Macaulay-Brown, Inc.	N68335-19-C-0079
12.RD	I	102,013	-	U. S. Department of Defense	4315-1	Maxentric Technologies, Llc	W31P4Q-17-C-0020
12.RD	I	395	-	U. S. Department of Defense	2016-2036	Metacomp Technologies, Inc	FA8650-16-P-2704
12.RD	I	163	-	U. S. Department of Defense	2017-0987	Nano Terra, Inc.	W911W6-17-C-0030
12.RD	I	75,574	-	U. S. Department of Defense	2017-1403	Nia Diagnostics, Llc	W911NF-17-C-0025
12.RD	I	72,419	-	U. S. Department of Defense	XO200A-A	Oregon State Univ.	W912HQ17C0048
12.RD	I	15,661	-	U. S. Department of Defense	1103	Perceptronics Solutions	W31P4Q-17-C-0143
12.RD	I	45,075	-	U. S. Department of Defense	W31P4Q-18-C-0083	Perceptronics Solutions	W31P4Q-18-C-0083
12.RD	I	70,049	-	U. S. Department of Defense	W81XWH-17-C-0192	Perceptronics Solutions	W81XWH-17-C-0192
12.RD	I	19,461	-	U. S. Department of Defense	SUBCONTRACT NO. 100058	Portland State University	W912HQ-18-C-0027
12.RD	I	19,585	-	U. S. Department of Defense	N6833519-1	Propel Llc	N6833519C0132
12.RD	I	66,259	-	U. S. Department of Defense	2017-2205	Radiabeam Technologies, Llc	N6835-18-C-0103
12.RD	I	93,672	-	U. S. Department of Defense	14651/PO#LBN9513347	Raytheon BBN Technologies Corp.	A17-0382-001
12.RD	I	153,081	-	U. S. Department of Defense	1-340-0216217-65155L	Research Triangle Institute (RTI Interna)	A17-1749-001
12.RD	I	70,457	-	U. S. Department of Defense	Subcontract # P010223357	SAIC	G-280961
12.RD	I	8,377	-	U. S. Department of Defense	1049-NCSU 1802	Sa Photonics	W911SR-18-C-0005
12.RD	I	17,982	-	U. S. Department of Defense	1050-NCS1807	Sa Photonics	N68335-18-C-0478
12.RD	I	351	-	U. S. Department of Defense	2015-1957	Solutions-les, Inc.	W912HQ-15-C-0013
12.RD	I	46	-	U. S. Department of Defense	2102796-16	Stevens Institute of Technology	G-281043
12.RD	I	1,053	-	U. S. Department of Defense	2102796-17	Stevens Institute of Technology	G-281042
12.RD	I	59,347	-	U. S. Department of Defense	W911NF-17-P-0053	Storageenergy Tech, Inc.	W911NF-17-P-0053
12.RD	I	14,895	-	U. S. Department of Defense	W912HQ-17-C-0028	Strategic Envir Rsch & Dev Pgm	W912HQ-17-C-0028
12.RD	I	165,567	-	U. S. Department of Defense	W912HQ18C0013	Strategic Envir Rsch & Dev Pgm	W912HQ18C0013
12.RD	I	10,018	-	U. S. Department of Defense	114-01	Sys Mat'L Res Corp, Smrc	SP4701-17-P-0049
12.RD	I	17,646	-	U. S. Department of Defense	121-01	Sys Mat'L Res Corp, Smrc	SP4701-18-C-0070
12.RD	I	29,050	-	U. S. Department of Defense	TS16-16-61-001	Taitech, Inc.	FA8650-16-F-2661
12.RD	I	32,930	-	U. S. Department of Defense	PO00150493 / 4T126	Teledyne Scientific & Imaging	N6523619C8013
12.RD	I	(3,588)	-	U. S. Department of Defense	TSI-2515-17-106536	Triton Systems, Inc.	FA9101-17-P-0095
12.RD	I	(27)	-	U. S. Department of Defense	009799-002	University Of Cincinnati	N00014-15-P-1118
12.RD	I	92,540	-	U. S. Department of Defense	3003179758	University of Michigan (UMICH)	A15-1710-001
12.RD	I	4,554	-	U. S. Department of Defense	3005449466 30054494	University of Michigan (UMICH)	A15-1710-005
12.RD	I	177,441	-	U. S. Department of Defense	2018-0174	Vadum, Inc.	W911NF-17-C-0086
12.RD	I	2,876	-	U. S. Department of Defense	WFUHS 114178	Wake Forest University Baptist Medical Center	G-280932
12.RD	I	921	-	U. S. Department of Defense	5019	Water Research Foundation	W912HQ-18-C-0048
		<u>26,810,134</u>	<u>4,198,474</u>	Total — Research and Development — U. S. Department of Defense			
U. S. Central Intelligence Agency							
13.RD	D	361,239	-	U.S. Central Intelligence Agency			A16-0697-001
13.RD	I	50,645	-	U.S. Central Intelligence Agency	202356	Florida Institute of Technology	A18-1486-001
13.RD	I	60,059	-	U.S. Central Intelligence Agency	Contingency Dated 9/28/18	Florida Institute of Technology Inc	G-281032
		<u>471,943</u>	-	Total — Research and Development — U. S. Central Intelligence Agency			
U. S. Department of Housing and Urban Development							
14.267	D	(418)	-	Continuum of Care Program			
14.506	D	130,596	-	General Research and Technology Activity			
14.536	I	(925)	-	Research and Evaluations, Demonstrations, and Data Analysis and Utilization	N/A	Manpower Demonstration Research Corporation	
14.RD	I	24,709	24,709	U. S. Department of Housing and Urban Development	2013-5-35 MBE	A.P. Sloan Found.	2013-5-35 MBE
		<u>153,962</u>	<u>24,709</u>	Total — Research and Development — U. S. Department of Housing and Urban Development			

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Federal CFDA Number	Direct / Indirect	Program Expenditures	Amount Provided to Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
U. S. Department of Interior							
15.650	D	7,496	-	Research Grants (Generic)			
15.808	D	5,800	-	U.S. Geological Survey Research and Data Collection			
15.945	D	9,314	-	Cooperative Research and Training Programs - Resources of the National Park System			
15.RD	I	4,555	-	U. S. Department of Interior	NCOUA101339072017	Nature Conservancy	F12AC01516
		<u>27,165</u>	<u>-</u>	Total — Research and Development — U. S. Department of Interior			
U. S. Department of Justice							
16.320	I	8,657	-	Services for Trafficking Victims	N/A	Restore NYC	
16.525	D	98,489	-	Grants to Reduce Domestic Violence, Dating Violence, Sexual Assault, and Stalking on Campus			
16.560	D	302,382	59,294	National Institute of Justice Research, Evaluation, and Development Project Grants			
16.560	I	149,427	1,000	National Institute of Justice Research, Evaluation, and Development Project Grants	2016-IJ-CX-0016	Vera Institute of Justice	
16.745	I	24,677	-	Criminal and Juvenile Justice and Mental Health Collaboration Program	1800000195	Durham County Office of the Sheriff	
16.812	I	9,373	-	Second Chance Act Reentry Initiative	2018-RFK-NRC-001	Robert F. Kennedy Children's Action Corps	
		<u>593,005</u>	<u>60,294</u>	Total — Research and Development — U. S. Department of Justice			
U. S. Department of State							
19.415	I	24,816	-	Professional and Cultural Exchange Programs - Citizen Exchanges	004	Meridian International Center	
19.415	I	18,758	-	Professional and Cultural Exchange Programs - Citizen Exchanges	022-0012-0036-001	Meridian International Center	
		<u>43,574</u>	<u>-</u>	Total — Research and Development — U. S. Department of State			
U. S. Department of Transportation							
20.109	D	178,620	-	Air Transportation Centers of Excellence			
20.200	D	862,382	79,836	Highway Research and Development Program			
20.200	I	7,864	-	Highway Research and Development Program	SUB0000607/HR 20-05	National Academies	
20.200	I	202,982	135,324	Highway Research and Development Program	HR 15-63 / UNIT 905	National Academy of Sciences	
20.200	I	130,517	54,793	Highway Research and Development Program	HR 17-78 SUB0000919	National Academy of Sciences	
20.200	I	68,512	14,960	Highway Research and Development Program	HR 17-83 SUB0001094	National Academy of Sciences	
20.215	D	18,583	-	Highway Training and Education			
20.514	I	6,242	-	Public Transportation Research, Technical Assistance, and Training	TCRP B-46 / PO# SUB0	National Academy of Sciences	
20.614	I	40,517	-	National Highway Traffic Safety Administration (NHTSA) Discretionary Safety Grants and	N/A	America Walks	
20.701	D	2,257,542	859,052	University Transportation Centers Program			
20.701	I	8,854	-	University Transportation Centers Program	100041	Portland State University	
20.701	I	300,530	-	University Transportation Centers Program	UFDSP00011676	University of Florida	
20.RD	D	1	-	U. S. Department of Transportation			A10-0494-001
20.RD	D	136,216	68,519	U. S. Department of Transportation			A11-1251-001
20.RD	D	-	-	U. S. Department of Transportation			A12-0480-001
20.RD	D	203,377	28,441	U. S. Department of Transportation			A18-0228-001
20.RD	D	279,791	61,031	U. S. Department of Transportation			DTFH6117C00037
20.RD	I	(107)	-	U. S. Department of Transportation	025-5-1-042	Alaska Dot	4000(142)
20.RD	I	82,039	-	U. S. Department of Transportation	02563018	Alaska Dot	4000(162)
20.RD	I	83,262	-	U. S. Department of Transportation	02563019	Alaska Dot	4000(161)
20.RD	I	226,076	-	U. S. Department of Transportation	25183004	Alaska Dot	0527(028)
20.RD	I	30,177	-	U. S. Department of Transportation	25193012	Alaska Dot	4000(184)
20.RD	I	217,951	-	U. S. Department of Transportation	S-001986-NCSU-00 14-00560	Applied Research Assoc. (Ara)	DTFH61-13-C-00025
20.RD	I	31,621	-	U. S. Department of Transportation	1500-004-016-CS	CDM Smith	A14-0240-001
20.RD	I	(4,520)	-	U. S. Department of Transportation	4562FHWA-UNC-1	Cadmus Group	A18-0498-001
20.RD	I	80,919	-	U. S. Department of Transportation	693JJ318F000339	Cadmus Group	A19-0386-001
20.RD	I	38,795	-	U. S. Department of Transportation	P010196045	Leidos, Inc (Formerly Saic)	DTFH6116D00030
20.RD	I	66,137	-	U. S. Department of Transportation	HR 03-113 / SUB0000490	National Academy Of Sciences	DTFH61-13-H-00024
20.RD	I	131,354	-	U. S. Department of Transportation	HR 09-54	National Academy Of Sciences	DTFH61-08-H-000035
20.RD	I	92,284	92,284	U. S. Department of Transportation	HR-03-113	National Academy Of Sciences	DTFH61-13-H-00024
20.RD	I	815	-	U. S. Department of Transportation	ACRP A02-58/ SUB0000	National Academy of Sciences	A14-1401-001
20.RD	I	134,131	37,235	U. S. Department of Transportation	HR 17-72	National Academy of Sciences	A15-1512-001
20.RD	I	2,118	-	U. S. Department of Transportation	SUB0000698 HR 17-73	National Academy of Sciences	A15-1454-001
20.RD	I	155,586	-	U. S. Department of Transportation	DTPH5616C00001	Pipeline & Hazardous Materials	DTPH5616C00001
20.RD	I	6,155	-	U. S. Department of Transportation	5480	Toole Design Group	A15-1708-001
20.RD	I	16,125	-	U. S. Department of Transportation	7078/ DTNH2216C00017	Toole Design Group	A17-0630-001
20.RD	I	40,965	-	U. S. Department of Transportation	2016-015	Toxcel, LLC	DTNH2216D00012
20.RD	I	(1,804)	-	U. S. Department of Transportation	N/A	TransAnalytics	A16-0840-001
20.RD	I	144	-	U. S. Department of Transportation	TDMNCSU18	Triangle J Coun Govt	TDMNCSU18

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20.RD	I	43,012	-	U. S. Department of Transportation	TDMNCSU19	Triangle J Coun Govt	TDMNCSU19
20.RD	I	55,938	-	U. S. Department of Transportation	Amend #10 / UFDSP00011674	Univ Of Florida	69A3551747104
20.RD	I	13,768	-	U. S. Department of Transportation	Amend #5 / UFDSP00011674	Univ Of Florida	69A3551747104
20.RD	I	28,900	-	U. S. Department of Transportation	Amend 3 / UFDSP00011674	Univ Of Florida	69A3551747104
20.RD	I	25,630	-	U. S. Department of Transportation	Amend #2 / UFDSP00011674	Univ Of Florida	69A3551747104
20.RD	I	65,511	-	U. S. Department of Transportation	Amend #4 / UFDAP00011674	Univ Of Florida	69A3551747104
20.RD	I	26,036	-	U. S. Department of Transportation	Amend No.:6/UFDSP00011674	Univ Of Florida	69A3551747104
20.RD	I	106,388	-	U. S. Department of Transportation	UFDSP00011674 (Amend #12)	Univ Of Florida	UFDSP00011674
20.RD	I	18,511	-	U. S. Department of Transportation	Task Order 13-NCA&T-E1	University of Tennessee-Knoxville	G-280797
20.RD	I	285,298	-	U. S. Department of Transportation	38541-15	Vanasse Hangen Brustlin, (VHB) Inc.	A16-1355-001
20.RD	I	471,829	-	U. S. Department of Transportation	38617-23	Vanasse Hangen Brustlin, (VHB) Inc.	A17-1457-001
20.RD	I	4,883	-	U. S. Department of Transportation	188907	WSP USA	7-000019150
		<u>7,278,457</u>	<u>1,431,475</u>	Total — Research and Development — U. S. Department of Transportation			
U. S. Appalachian Regional Commission							
23.011	D	186,578	746	Appalachian Research, Technical Assistance, and Demonstration Projects			
		<u>186,578</u>	<u>746</u>	Total — Research and Development — U. S. Appalachian Regional Commission			
U. S. General Services Administration							
39.RD	I	2,785	-	U. S. General Services Administration	2017-120101	National Association of County and City	A18-0721-001
		<u>2,785</u>	-	Total — Research and Development — General Services Administration			
U. S. Library of Congress							
42.RD	I	8,954	-	Library of Congress	N/A	Waynesburg University	A18-0509-001
		<u>8,954</u>	-	Total — Research and Development — U. S. Library of Congress			
National Aeronautics and Space Administration							
43.001	D	1,082,388	267,582	Science			
43.001	I	117,812	-	Science	16-806	Arizona State University	
43.001	I	-	-	Science	4973-UNCCH-NASA-E28G	Pennsylvania State University	
43.001	I	49,607	-	Science	1295 G UA448	University of California at Los Angeles	
43.001	I	14,859	-	Science	3003899011	University of Michigan (UMICH)	
43.007	D	73,858	-	Space Operations			
43.007	I	17,292	-	Space Operations	WFUHS 111777	Wake Forest University School of Medicine	
43.008	D	225,642	-	Education			
43.008	I	15,528	-	Education	2015-1942-CH-03	North Carolina Space Grant Consortium (N	
43.RD	D	49,120	-	National Aeronautics and Space Administration			A17-1014-001
43.RD	D	28,324	-	National Aeronautics and Space Administration			A18-0493-001
43.RD	D	1,617	-	National Aeronautics and Space Administration			A18-1026-001
43.RD	D	315,275	45,542	National Aeronautics and Space Administration			A18-1142-001
43.RD	D	78,879	-	National Aeronautics and Space Administration			A19-0743-001
43.RD	D	911	-	National Aeronautics and Space Administration			A19-0987-001
43.RD	D	94,679	13,621	National Aeronautics and Space Administration			NNX16AL68G
43.RD	I	76	-	National Aeronautics and Space Administration	PINS 70328	Brimrose Technology Corp	NNX16CP29P
43.RD	I	8,998	-	National Aeronautics and Space Administration	1607153	California Institute of Technology (CaIT)	A19-0540-001
43.RD	I	4,346	-	National Aeronautics and Space Administration	1609860	California Institute of Technology (CaIT)	A19-0538-001
43.RD	I	19,011	-	National Aeronautics and Space Administration	RSA NO: 1606454	Jet Propulsion Laboratory	G-281022
43.RD	I	43,063	-	National Aeronautics and Space Administration	RSA NO:1606453	Jet Propulsion Laboratory	G-281019
43.RD	I	41,290	-	National Aeronautics and Space Administration	C15-2B00-NCSU 201121-NCSU	Nat'L Inst. Of Aerospace	NNL09AA00A/80LARC17C0004
43.RD	I	242,303	-	National Aeronautics and Space Administration	C15-2B00-NCSU 301003-NCSU	Nat'L Inst. Of Aerospace	NNL09AA00A/80LARC17C0004
43.RD	I	(2,166)	-	National Aeronautics and Space Administration	C15-2B00-NCSU 401004-NCSU	Nat'L Inst. Of Aerospace	NNL09AA00A/80LARC17C0004
43.RD	I	38,874	-	National Aeronautics and Space Administration	C15-2B00-NCSU-201087-NCSU	Nat'L Inst. Of Aerospace	NNL09AA00A/80LARC17C0004
43.RD	I	(13)	-	National Aeronautics and Space Administration	C15-2B00-NCSU-2D16-NCSU	Nat'L Inst. Of Aerospace	NNL09AA00A
43.RD	I	(1,384)	-	National Aeronautics and Space Administration	C15-2B00-NCSU-3774-NCSU	Nat'L Inst. Of Aerospace	NNL09AA00A
43.RD	I	50,370	-	National Aeronautics and Space Administration	C15-2B00-NCSU-401012-NCSU	Nat'L Inst. Of Aerospace	NNL09AA00A/80LARC17C0004
43.RD	I	430	-	National Aeronautics and Space Administration	HST-GO-14076.009-A	Space Telescope Science Institute	A16-1023-001
43.RD	I	2,090	-	National Aeronautics and Space Administration	HST-GO-14912.006A	Space Telescope Science Institute	A18-0446-001
43.RD	I	3,019	-	National Aeronautics and Space Administration	HST-GO-15072.002-A	Space Telescope Science Institute	A18-1419-001
43.RD	I	43,012	-	National Aeronautics and Space Administration	HST-GO-15073.005-A	Space Telescope Science Institute	A18-0814-001
43.RD	I	45,867	-	National Aeronautics and Space Administration	HST-HF2-51357.001-A	Space Telescope Science Institute	A16-0620-001

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43.RD	I	384	-	National Aeronautics and Space Administration	SUB00000861	Univ Of Georgia	NNZ14AR89G
43.RD	I	134,319	-	National Aeronautics and Space Administration	C16-2B00-NCAT, Activity 3773-N	Virginia Polytechnic Institute and State University	G-280887
		2,839,680	326,745	Total — Research and Development — National Aeronautics and Space Administration			
<u>National Foundation on the Arts and the Humanities</u>							
45.024	D	30,000	-	Promotion of the Arts Grants to Organizations and Individuals			
45.149	D	103,457	-	Promotion of the Humanities Division of Preservation and Access			
45.160	D	57,927	-	Promotion of the Humanities Fellowships and Stipends			
45.160	I	48,681	-	Promotion of the Humanities Fellowships and Stipends	N/A	Newberry Institute for Research and Educ	
45.310	I	(322)	-	Grants to States	5264	North Carolina Library Services and Tech	
45.310	I	2,895	-	Grants to States	5271	North Carolina State Library	
45.310	I	466,825	-	Grants to States	NC-18-45	North Carolina State Library	
45.312	D	40,730	-	National Leadership Grants			
45.312	I	226,959	-	National Leadership Grants	LG-71-17-0016-17	Educopia Institute	
45.312	I	(483)	-	National Leadership Grants	18-3747	University of Texas at Arlington	
45.312	I	7,542	-	National Leadership Grants	UTA16-000464	University of Texas at Austin	
45.313	D	329,029	21,718	Laura Bush 21st Century Librarian Program			
45.313	I	13,946	-	Laura Bush 21st Century Librarian Program	077281-15576	University of Illinois Board of Trustees	
45.RD	D	17,745	-	Federal Council on the Arts and the Humanities			A16-0247-001
		1,344,931	21,718	Total — Research and Development — National Foundation on the Arts and the Humanities			
<u>National Science Foundation</u>							
47.041	D	19,153,093	4,093,019	Engineering Grants			
47.041	I	244	-	Engineering Grants	2017-1295	Applied Lifesciences & Systems	
47.041	I	69,785	-	Engineering Grants	333-2272	Duke University	
47.041	I	11,150	-	Engineering Grants	RG758-G2	Georgia Institute Of Tech.	
47.041	I	37,021	-	Engineering Grants	S1863P-A	Oregon State Univ.	
47.041	I	29,437	-	Engineering Grants	2014-0225	Physical Devices Llc	
47.041	I	5,062	-	Engineering Grants	4101-76208	Purdue University	
47.041	I	472	-	Engineering Grants	2015-3203	Sindre Metals Inc.	
47.041	I	14,843	-	Engineering Grants	2016-3358	Univ Of Cal - Irvine	
47.041	I	95,452	-	Engineering Grants	33791	University of Delaware	
47.041	I	108	-	Engineering Grants	445524-19071	Virginia Polytech Inst.	
47.041	I	10,139	-	Engineering Grants	445524-19071A	Virginia Polytech Inst.	
47.041	I	43,078	-	Engineering Grants	480103-19467	Virginia Tech	
47.049	D	15,195,872	2,536,351	Mathematical and Physical Sciences			
47.049	I	11	-	Mathematical and Physical Sciences	12-NSF-1027	Duke University	
47.049	I	63,110	-	Mathematical and Physical Sciences	12-NSF-1029	Duke University	
47.049	I	507	-	Mathematical and Physical Sciences	25-0521-0184-038	University of Nebraska at Lincoln	
47.049	I	201	-	Mathematical and Physical Sciences	N/A	University of Nebraska at Lincoln	
47.049	I	(737)	-	Mathematical and Physical Sciences	0044297(011606-1)	University of Pittsburgh	
47.049	I	178	-	Mathematical and Physical Sciences	UWSC6738/PO#BP07546	University of Washington	
47.049	I	20,005	-	Mathematical and Physical Sciences	124885-G003639	Washington State University	
47.049	I	43,130	-	Mathematical and Physical Sciences	16-296-NCSU	West Virginia Univ.	
47.050	D	2,917,589	320,549	Geosciences			
47.050	I	14,308	-	Geosciences	0111-0452-000	Battelle Memorial Institute	
47.050	I	6,519	-	Geosciences	10010192-UNC06	Bowling Green State University	
47.050	I	(2,530)	-	Geosciences	1338606-010	Consortium of Universities for the Advan	
47.050	I	53,392	-	Geosciences	1338606-18-01	Consortium of Universities for the Advan	
47.050	I	138,106	-	Geosciences	S1974A-B	Oregon State University	
47.050	I	78,646	-	Geosciences	SUBK00010849 PO 3005	University of Michigan Ann Arbor	
47.070	D	15,157,572	1,042,643	Computer and Information Science and Engineering			
47.070	I	(580)	-	Computer and Information Science and Engineering	PO 9500013180	BBN Technologies	
47.070	I	121,300	-	Computer and Information Science and Engineering	1905-206-2011806	Clemson University	
47.070	I	9,987	-	Computer and Information Science and Engineering	389-0845	Duke University	
47.070	I	221,873	-	Computer and Information Science and Engineering	11826	Education Development Center	
47.070	I	55,119	-	Computer and Information Science and Engineering	800005863-01UG	Florida Int'L Univ.	
47.070	I	19,974	-	Computer and Information Science and Engineering	800006701-01UG	Florida Int'L Univ.	
47.070	I	24,541	-	Computer and Information Science and Engineering	800004907-04UG	Florida International University	
47.070	I	21,747	-	Computer and Information Science and Engineering	AWD7773289-GR205877	Georgetown University	

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47.070	I	1	-	Computer and Information Science and Engineering	RA978-G9	Georgia Institute of Technology	
47.070	I	7,938	-	Computer and Information Science and Engineering	206FEN547	Portland State University	
47.070	I	7,278	-	Computer and Information Science and Engineering	10000755-007	Purdue University	
47.070	I	15,051	3,906	Computer and Information Science and Engineering	14564/PO#9500013132	Raytheon BBN Technologies Corp.	
47.070	I	1	-	Computer and Information Science and Engineering	1939B/9500012168	Raytheon Company	
47.070	I	26,243	-	Computer and Information Science and Engineering	69159-1120129-2	SUNY at Stony Brook	
47.070	I	23,489	-	Computer and Information Science and Engineering	72170-1126587-2	SUNY at Stony Brook	
47.070	I	31,254	-	Computer and Information Science and Engineering	FP057117-SP-A	University of Chicago	
47.070	I	154,891	-	Computer and Information Science and Engineering	110291995	University of Southern California (USC)	
47.070	I	533	-	Computer and Information Science and Engineering	201260-473	Utah State University	
47.070	I	21,184	-	Computer and Information Science and Engineering	479590-19467	Virginia Tech	
47.074	D	12,201,614	2,060,360	Biological Sciences			
47.074	I	3,660	-	Biological Sciences	4500002542	Boston University	
47.074	I	141,981	-	Biological Sciences	16-04	Boyce Thompson Inst.	
47.074	I	38,116	-	Biological Sciences	52570214	Cold Spring Harbor Laboratory	
47.074	I	119,981	-	Biological Sciences	52570314	Cold Spring Harbor Laboratory	
47.074	I	79,950	-	Biological Sciences	67183-10114	Cornell University	
47.074	I	24,388	-	Biological Sciences	2018-1301	Friends Of Ncsm Of Natural Sci	
47.074	I	91,367	-	Biological Sciences	IOS-1444561	Nat'L Science Found	
47.074	I	15,411	-	Biological Sciences	20112101_NCSU	National Jewish Health	
47.074	I	24,285	-	Biological Sciences	4101-77383	Purdue University	
47.074	I	71,347	-	Biological Sciences	R1041544	SUNY at Buffalo	
47.074	I	14,751	-	Biological Sciences	PO209713	Salk Institute for Biological Studies	
47.074	I	10,434	-	Biological Sciences	61223139-121390	Stanford University	
47.074	I	23,918	-	Biological Sciences	RF331-302/S001089	Univ Of Georgia	
47.074	I	(1,596)	-	Biological Sciences	SUB00000657	Univ Of Georgia	
47.074	I	73,445	-	Biological Sciences	C000041922-2	Univ Of Missouri - Columbia	
47.074	I	63,619	-	Biological Sciences	UWSC10442 / BPO# 30987	Univ Of Washington	
47.074	I	(1,708)	-	Biological Sciences	0038425(011514-1)	University Of Pittsburgh	
47.074	I	9,995	-	Biological Sciences	A00-0342-S001	University of South Dakota	
47.074	I	70,772	-	Biological Sciences	GA11020-142300	University of Virginia	
47.074	I	17,149	-	Biological Sciences	GA11374 / PO #210782	University of Virginia	
47.074	I	108,007	-	Biological Sciences	479498-19467	Virginia Tech	
47.075	D	1,261,871	35,538	Social, Behavioral, and Economic Sciences			
47.075	I	32,743	-	Social, Behavioral, and Economic Sciences	N/A	American Bar Foundation	
47.075	I	7	-	Social, Behavioral, and Economic Sciences	5060-UNC-NSF-7666	Pennsylvania State University	
47.075	I	28,548	-	Social, Behavioral, and Economic Sciences	5460-UNC-NSF-8661	Pennsylvania State University	
47.075	I	16,335	-	Social, Behavioral, and Economic Sciences	61344013-122890	Stanford University	
47.075	I	4,513	-	Social, Behavioral, and Economic Sciences	202435	University of Notre Dame	
47.076	D	4,454,712	201,026	Education and Human Resources			
47.076	I	58,127	-	Education and Human Resources	BU9610-001	Associated Universities, Inc	
47.076	I	2,793	1,000	Education and Human Resources	N/A	Council of Graduate Schools (CGS)	
47.076	I	664	-	Education and Human Resources	4691-UNCCH-NSF-6347	Pennsylvania State University	
47.076	I	20,473	-	Education and Human Resources	C00044702-1	University of Missouri	
47.076	I	387	-	Education and Human Resources	N/A	University of San Diego	
47.076	I	40,622	-	Education and Human Resources	564K340	University of Wisconsin at Madison	
47.079	D	661,572	120,904	Office of International Science and Engineering			
47.079	I	98,085	-	Office of International Science and Engineering	UP1700296-UNC1	University of South Dakota	
47.082	D	(1)	-	Trans-NSF Recovery Act Reasearch Support			
47.RD	D	145,157	-	National Science Foundation			2017-2112_IPA
47.RD	D	268,639	-	National Science Foundation			2017-2482_IPA
47.RD	D	119,578	-	National Science Foundation			2018-0109_IPA
47.RD	D	217,369	-	National Science Foundation			2018-0429_IPA
47.RD	D	179,343	-	National Science Foundation			A17-0922-001
47.RD	D	112,954	-	National Science Foundation			G-260315
47.RD	I	106,787	-	National Science Foundation	2018-0351	Applied Lifesciences & Systems	1-758659
47.RD	I	19,800	-	National Science Foundation	Subcontract No: 3/NCAT	AxNano, LLC	G-281026
47.RD	I	12,960	-	National Science Foundation	Chk #22632 Dated 10-9-2018	Council of Graduate Schools (CGS)	G-281036
		<u>74,982,511</u>	<u>10,415,296</u>	Total — Research and Development — National Science Foundation			

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U. S. Smithsonian Institute							
60.RD	I	1,352	-	Smithsonian Institution	4944-RFA13-1/14-5-3	Health Effects Institute	HEI 4944-RFA13-1
		<u>1,352</u>	<u>-</u>	Total — Research and Development — U. S. Smithsonian Institution			
U. S. Department of Veterans Affairs							
64.RD	D	63,425	-	U. S. Department of Veterans Affairs			A17-1561-001
64.RD	D	54,215	-	U. S. Department of Veterans Affairs			A17-1562-001
64.RD	D	22,877	-	U. S. Department of Veterans Affairs			A17-1563-001
64.RD	D	51,058	-	U. S. Department of Veterans Affairs			A17-1722-001
64.RD	D	14,727	-	U. S. Department of Veterans Affairs			A18-1092-001
64.RD	D	5,903	-	U. S. Department of Veterans Affairs			A18-1093-001
64.RD	D	10,669	-	U. S. Department of Veterans Affairs			A18-1094-001
		<u>222,874</u>	<u>-</u>	Total — Research and Development — U. S. Department of Veterans Affairs			
U. S. Environmental Protection Agency							
66.203	D	85,066	-	Environmental Finance Center Grants			
66.424	D	1,886,087	1,217,048	Surveys, Studies, Investigations, Demonstrations, and Training Grants - Section 1442 of the Safe Drinking Water Act			
66.509	D	262,570	88,747	Science To Achieve Results (STAR) Research Program			
66.509	I	66,701	-	Science To Achieve Results (STAR) Research Program	1(GG010809)	Columbia University	
66.509	I	122,314	-	Science To Achieve Results (STAR) Research Program	00060507-01	Missouri University of Science and Techn	
66.511	D	1,080,489	-	Office of Research and Development Consolidated Research/Training/Fellowships			
66.514	D	15,954	-	Science To Achieve Results (STAR) Fellowship Program			
66.608	D	102,079	-	Environmental Information Exchange Network Grant Program and Related Assistance			
66.RD	D	511,247	361,171	U. S. Environmental Protection Agency			A13-0473-001
66.RD	D	249,069	65,220	U. S. Environmental Protection Agency			A15-0709-022
66.RD	D	1,832,907	1,235,289	U. S. Environmental Protection Agency			A15-0709-033
66.RD	D	850,099	13,855	U. S. Environmental Protection Agency			A16-1709-001
66.RD	I	(1,745)	-	U. S. Environmental Protection Agency	0393.00.017/01	Eastern Research Group, Inc.	EP-C-17-011
66.RD	I	280	-	U. S. Environmental Protection Agency	0393.01.017/01	Eastern Research Group, Inc.	EP-C-17-011
66.RD	I	-	-	U. S. Environmental Protection Agency	17EGP00045	ICF Incorporated, LLC	A18-0457-001
66.RD	I	(3,458)	-	U. S. Environmental Protection Agency	2017-0311	Jacobs	EP-C-15-0008
66.RD	I	8,224	-	U. S. Environmental Protection Agency	NCSU-19-001-RP	Jacobs	EP-C-15-00028
66.RD	I	2,495	-	U. S. Environmental Protection Agency	16-312-0213199-52066L	RTI International	EP-D-11-084
		<u>7,070,378</u>	<u>2,981,330</u>	Total — Research and Development — U. S. Environmental Protection Agency			
U. S. Nuclear Regulatory Commission							
77.006	D	(35)	-	U. S. Nuclear Regulatory Commission Nuclear Education Grant Program			
77.RD	I	25,504	-	Nuclear Regulatory Commission	706K786	Univ Of Wisconsin	NRC-HQ-60-16-E-0001
		<u>25,469</u>	<u>-</u>	Total — Research and Development — U. S. Nuclear Regulatory Commission			
U. S. Department of Energy							
81.049	D	5,697,936	690,653	Office of Science Financial Assistance Program			
81.049	I	55,082	-	Office of Science Financial Assistance Program	68856	SUNY at Stony Brook	
81.049	I	153,231	-	Office of Science Financial Assistance Program	25-1215-0123-010	University of Nebraska at Lincoln	
81.049	I	25,602	-	Office of Science Financial Assistance Program	A18-0368-S001	University of Tennessee at Knoxville (UT	
81.049	I	1	-	Office of Science Financial Assistance Program	GQ10044-133949	University of Virginia	
81.086	D	9,657,935	7,723,846	Conservation Research and Development			
81.086	I	10,146	-	Conservation Research and Development	NO. 192216	Stanford Univ	
81.086	I	7,204	-	Conservation Research and Development	A19-0435-S003	Univ Of Tennessee	
81.086	I	165,664	-	Conservation Research and Development	16-707NCSU PO#MM000026944	West Virginia Univ.	
81.087	D	100,005	-	Renewable Energy Research and Development			
81.087	I	137,650	-	Renewable Energy Research and Development	N/A	Energy Materials Corporation	
81.087	I	85,425	-	Renewable Energy Research and Development	F-2019-13	University of Toledo	
81.121	I	35,219	-	Nuclear Energy Research, Development and Demonstration	800007088-01	Florida International University	
81.135	I	68,304	-	Advanced Research Projects Agency - Energy	133272-5108761	Harvard University	
81.RD	D	131,712	-	U. S. Department of Energy			A18-0714-001
81.RD	D	44,479	-	U. S. Department of Energy			A19-1207-001
81.RD	D	54,339	-	U. S. Department of Energy			A19-1215-001
81.RD	D	112,747	-	U. S. Department of Energy			DE-AC52-07NA27344
81.RD	I	(26,449)	-	U. S. Department of Energy	4F-32144	Argonne Nat'L Lab	DE-AC02-06CH11357

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Federal CFDA Number	Direct / Indirect	Program Expenditures	Amount Provided to Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
81.RD		92,378	-	U. S. Department of Energy	8F-30076	Argonne Nat'L Lab	DE-AC02-06CH11357
81.RD		16,788	-	U. S. Department of Energy	8F-30081	Argonne Nat'L Lab	DE-AC02-06CH11357
81.RD		8,021	-	U. S. Department of Energy	8F-30197	Argonne Nat'L Lab	DE-AC02-06CH11357
81.RD		23,003	-	U. S. Department of Energy	8F-30226	Argonne Nat'L Lab	DE-AC02-06CH11357
81.RD		7,054	-	U. S. Department of Energy	9F-60064	Argonne Nat'L Lab	DE-AC02-06CH11357
81.RD		1,655	-	U. S. Department of Energy	00042959 40	Battelle Energy Alliance, Llc	DE-AC07-05ID-14517
81.RD		(9)	-	U. S. Department of Energy	00145661-00001	Battelle Energy Alliance, Llc	DE-AC07-05ID-14517
81.RD		29,531	-	U. S. Department of Energy	00145661-00002	Battelle Energy Alliance, Llc	DE-AC07-05ID-14517
81.RD		6,009	-	U. S. Department of Energy	0145661-006	Battelle Energy Alliance, Llc	DE-AC07-05ID-14517
81.RD		9,985	-	U. S. Department of Energy	0145661-007	Battelle Energy Alliance, Llc	DE-AC07-05ID-14517
81.RD		(5,541)	-	U. S. Department of Energy	145661-007	Battelle Energy Alliance, Llc	DE-AC07-05ID-14517
81.RD		14,078	-	U. S. Department of Energy	145661-13	Battelle Energy Alliance, Llc	DE-AC07-05ID-14517
81.RD		224,284	-	U. S. Department of Energy	145661-14	Battelle Energy Alliance, Llc	DE-AC07-05ID-14517
81.RD		25,903	-	U. S. Department of Energy	145661-17	Battelle Energy Alliance, Llc	DE-AC07-05ID-14517
81.RD		12,975	-	U. S. Department of Energy	145661-18	Battelle Energy Alliance, Llc	DE-AC07-05ID-14517
81.RD		1,240	-	U. S. Department of Energy	145661-4	Battelle Energy Alliance, Llc	DE-AC07-05ID-14517
81.RD		5,292	-	U. S. Department of Energy	156020	Battelle Energy Alliance, Llc	DE-AC07-05ID-14517
81.RD		16,669	-	U. S. Department of Energy	Master #145661-Release#11	Battelle Energy Alliance, Llc	DE-AC07-05ID-14517
81.RD		126,252	-	U. S. Department of Energy	Master #145661-Release#19	Battelle Energy Alliance, Llc	DE-AC07-05ID-14517
81.RD		134,513	-	U. S. Department of Energy	Master #145661-Release#20	Battelle Energy Alliance, Llc	DE-AC07-05ID-14517
81.RD		3,946	-	U. S. Department of Energy	Master #145661-Release#21	Battelle Energy Alliance, Llc	DE-AC07-05ID-14517
81.RD		74,017	-	U. S. Department of Energy	Release 16 U/C 145661	Battelle Energy Alliance, Llc	DE-AC07-05ID-14517
81.RD		7,086	-	U. S. Department of Energy	Release NO. 23/BMC 145661	Battelle Energy Alliance, Llc	DE-AC07-05ID-14517
81.RD		11,043	3,847	U. S. Department of Energy	4000120148	Battelle UT	A13-0941-001
81.RD		62,583	-	U. S. Department of Energy	4000139793	Battelle UT	A16-0143-001
81.RD		73,438	-	U. S. Department of Energy	PO # 107832	Bettis Atomic Power Laboratory	2014-2982
81.RD		119,546	-	U. S. Department of Energy	PO #107832	Bettis Atomic Power Laboratory	2014-2982
81.RD		46,320	-	U. S. Department of Energy	PO# 107832	Bettis Atomic Power Laboratory	2014-2982
81.RD		11,750	-	U. S. Department of Energy	329344	Brookhaven Nat'L Lab	DE-SC0012704
81.RD		41,385	-	U. S. Department of Energy	356231	Brookhaven Nat'L Lab	DE-SC0012704
81.RD		59,445	-	U. S. Department of Energy	Task Order #4300152232	Consolidated Nuclear Security LLC	G-281007
81.RD		7,422	-	U. S. Department of Energy	Letter Dated 01-22-2018	Honeywell Federal Manufacturing & Technologies, LLC	G-280997
81.RD		64,001	-	U. S. Department of Energy	7090112	L. Berkeley Natl Lab	DE-AC02-05CH11231
81.RD		127,361	-	U. S. Department of Energy	7381614	L. Berkeley Natl Lab	DE-AC02-05CH11231
81.RD		140,627	-	U. S. Department of Energy	B620596	Lawrence Livermore Natl Lab	DE-AC52-07NA27344
81.RD		60,035	-	U. S. Department of Energy	B621752	Lawrence Livermore Natl Lab	DE-AC52-07NA27344
81.RD		116,862	-	U. S. Department of Energy	B623398	Lawrence Livermore Natl Lab	DE-AC52-07NA27344
81.RD		21,708	-	U. S. Department of Energy	B627261	Lawrence Livermore Natl Lab	DE-AC52-07NA27344
81.RD		79,418	-	U. S. Department of Energy	B628785	Lawrence Livermore Natl Lab	DE-AC52-07NA27344
81.RD		13,130	-	U. S. Department of Energy	B631308	Lawrence Livermore Natl Lab	DE-AC52-07NA27344
81.RD		16,307	-	U. S. Department of Energy	B633311	Lawrence Livermore Natl Lab	DE-AC52-07NA27344
81.RD		112,561	-	U. S. Department of Energy	B615702	Lawrence Livermore Natl. Secu.	DE-AC52-07NA27344
81.RD		35,824	-	U. S. Department of Energy	LTI-FE0022594-NCS	Leonardo Technologies, Inc.	DE-FE0022594
81.RD		28,041	-	U. S. Department of Energy	427825	Los Alamos Nat'L Lab	DE-AC52-06NA25396
81.RD		103,457	-	U. S. Department of Energy	463643	Los Alamos Nat'L Lab	DE-AC52-06NA25396
81.RD		23,706	-	U. S. Department of Energy	491256	Los Alamos Nat'L Lab	DE-AC52-06NA25396
81.RD		29,980	-	U. S. Department of Energy	498459	Los Alamos Nat'L Lab	DE-AC52-06NA25396
81.RD		305,802	-	U. S. Department of Energy	4000114671	Oak Ridge National Lab	DE-AC05-00OR22725
81.RD		11,568	-	U. S. Department of Energy	4000144968	Oak Ridge National Lab	DE-AC05-00OR22725
81.RD		24,490	-	U. S. Department of Energy	4000161999	Oak Ridge National Lab	DE-AC05-00OR22725
81.RD		196,978	-	U. S. Department of Energy	4000163442	Oak Ridge National Lab	DE-AC05-00OR22725
81.RD		69,879	-	U. S. Department of Energy	4000166084	Oak Ridge National Lab	DE-AC05-00OR22725
81.RD		21,126	-	U. S. Department of Energy	4000168840	Oak Ridge National Lab	DE-AC05-00OR22725
81.RD		56,150	-	U. S. Department of Energy	4000170783	Oak Ridge National Lab	DE-AC05-00OR22725
81.RD		47,153	-	U. S. Department of Energy	4200000036-4000133202	Oak Ridge National Lab	DE-AC05-00OR22725
81.RD		7,144	-	U. S. Department of Energy	4200000036-4000147886	Oak Ridge National Lab	DE-AC05-00OR22725
81.RD		75,927	-	U. S. Department of Energy	4200000036-4000168373	Oak Ridge National Lab	DE-AC05-00OR22725
81.RD		50,486	-	U. S. Department of Energy	4200000570-4000143422	Oak Ridge National Lab	DE-AC05-00OR22725
81.RD		43,937	-	U. S. Department of Energy	4200000570-4000159477	Oak Ridge National Lab	DE-AC05-00OR22725
81.RD		5,934	-	U. S. Department of Energy	2019-0975	Pacific Northwest National Lab	2019-0975
81.RD		199,840	-	U. S. Department of Energy	286473	Pacific Northwest National Lab	DE-AC05-76RL01830
81.RD		55,118	-	U. S. Department of Energy	292626	Pacific Northwest National Lab	DE-AC05-76RL01830

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Federal CFDA Number	Direct / Indirect	Program Expenditures	Amount Provided to Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
81.RD	I	17,661	-	U. S. Department of Energy	2019-0440	Riken Bnl Res. Center	2019-0440
81.RD	I	21,828	-	U. S. Department of Energy	1746480	Sandia National Lab	2017-0516
81.RD	I	72,933	-	U. S. Department of Energy	1871780	Sandia National Lab	2018-1298
81.RD	I	68,764	-	U. S. Department of Energy	1994475	Sandia National Lab	2019-0366
81.RD	I	3,353	-	U. S. Department of Energy	TAO#: 0000275746	Savannah River Nuclear Solutions	G-280947
81.RD	I	223,418	-	U. S. Department of Energy	TOA# 0000332973	Savannah River Nuclear Solutions	G-280986
81.RD	I	43,805	-	U. S. Department of Energy	TOA# 0000332974	Savannah River Nuclear Solutions	G-280987
81.RD	I	92,994	-	U. S. Department of Energy	TOA/PO No: 0000403064	Savannah River Nuclear Solutions	G-281053
81.RD	I	16,444	-	U. S. Department of Energy	M1900080	Texas A&M Univ.	DE-AC02-05CH11231
81.RD	I	48,841	-	U. S. Department of Energy	508854	Triad National Security, Llc	89233218CNA000001
81.RD	I	2,156	-	U. S. Department of Energy	Subcontract No: 4000151854	UT-Battelle LLC	G-280954
81.RD	I	(573)	-	U. S. Department of Energy	4000130891	Ut Battelle Llc	DE-AC05-00OR22725
81.RD	I	10,485	-	U. S. Department of Energy	4000155187	Ut Battelle Llc	DE-AC05-00OR22725
81.RD	I	12,734	-	U. S. Department of Energy	4000145506	Ut Battelle, Llc	DE-AC05-00OR22725
81.RD	I	47,888	-	U. S. Department of Energy	4000056870	Ut-Battelle Llc	DE-AC05-00OR22725
81.RD	I	126,795	-	U. S. Department of Energy	4000151695	Ut-Battelle Llc	DE-AC05-00OR22725
81.RD	I	27,054	-	U. S. Department of Energy	4200000036-4000126315	Ut-Battelle Llc	DE-AC05-00OR22725
81.RD	I	64,957	-	U. S. Department of Energy	4200000036-4000141258	Ut-Battelle Llc	DE-AC05-00OR22725
81.RD	I	26,512	-	U. S. Department of Energy	4200000570-40000153636	Ut-Battelle Llc	DE-AC05-00OR22725
		<u>20,856,892</u>	<u>8,418,346</u>	Total — Research and Development — U. S. Department of Energy			
U. S. Department of Education							
84.015	D	2,029,086	277,741	National Resource Centers Program for Foreign Language and Area Studies or Foreign Language and International Studies Program and Foreign Language and Area Studies Fellowship Program			
84.015	I	57,550	-	National Resource Centers Program for Foreign Language and Area Studies or Foreign Language and International Studies Program and Foreign Language and Area Studies Fellowship Program	15-ED-1054	Duke University	
84.015	I	6,229	-	National Resource Centers Program for Foreign Language and Area Studies or Foreign Language and International Studies Program and Foreign Language and Area Studies Fellowship Program	342-0083	Duke University	
84.022	D	101,349	-	Overseas Programs - Doctoral Dissertation Research Abroad			
84.116	D	193,744	-	Fund for the Improvement of Postsecondary Education			
84.129	D	405,419	-	Rehabilitation Long-Term Training			
84.133	I	26,974	-	National Institute on Disability and Rehabilitation Research	Subcontract Dated 10/27/2014	Langston University	
84.133	I	3,874	-	National Institute on Disability and Rehabilitation Research	1701835A/PO#SR00004998	Univ Of Maryland Balt. County	
84.305	D	3,776,493	336,227	Education Research, Development and Dissemination			
84.305	I	2,202	-	Education Research, Development and Dissemination	721851-2	College of William and Mary	
84.305	I	(1)	-	Education Research, Development and Dissemination	511135	Columbia University Teachers College	
84.305	I	23,640	-	Education Research, Development and Dissemination	15-ED-1095	Duke University	
84.305	I	41,803	-	Education Research, Development and Dissemination	343-0811	Duke University	
84.305	I	77,997	-	Education Research, Development and Dissemination	2003942999	Johns Hopkins University	
84.305	I	12,136	-	Education Research, Development and Dissemination	9920190006	RAND Corporation	
84.305	I	499,875	-	Education Research, Development and Dissemination	43802	University of Delaware	
84.305	I	198,371	-	Education Research, Development and Dissemination	3003143121	University of Michigan (UMICH)	
84.305	I	153,682	-	Education Research, Development and Dissemination	UNIV58617 3748-0198	Vanderbilt University	
84.324	D	2,057,382	236,332	Research in Special Education			
84.324	I	235,437	1,525	Research in Special Education	FY2018-070	University of Kansas Center for Research	
84.325	D	1,245,928	12,334	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities			
84.325	I	-	-	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities	F-2012-115	University of Toledo	
84.325	I	-	-	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities	2789-015468	Vanderbilt University	
84.326	D	5,482,603	1,169,188	Special Education Technical Assistance and Dissemination to Improve Services and Results for Children with Disabilities			
84.326	I	19,188	-	Special Education Technical Assistance and Dissemination to Improve Services and Results for Children with Disabilities	224440Q	University of Oregon	
84.327	D	1,266,867	50,176	Special Education Educational Technology Media, and Materials for Individuals with Disabilities			
84.373	I	1,213,852	-	Special Education Technical Assistance on State Data Collection	51-001279	SRI International	
84.373	I	49,576	-	Special Education Technical Assistance on State Data Collection	6189-S-006	Westat, Inc.	
84.RD	D	96,413	-	U. S. Department of Education			First in the World

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84.RD	I	97,958	-	U. S. Department of Education	0419500001	American Inst. For Research	ED-IES-16-C-0017
84.RD	I	1,244	-	U. S. Department of Education	40346S03620	Mathematica Policy Research, Inc.	A14-0903-001
84.RD	I	28,617	-	U. S. Department of Education	40346S05821	Mathematica Policy Research, Inc.	A18-1179-001
84.RD	I	87,704	-	U. S. Department of Education	EIR GRANT #U411B170038	Niswonger Foundation	U411B170038
84.RD	I	23,560	-	U. S. Department of Education	1-312-0214656-52171L	RTI International	2014-3218
		<u>19,516,752</u>	<u>2,083,523</u>	Total — Research and Development — U. S. Department of Education			
U. S. National Archives and Records Administration							
89.003	D	46,816	-	National Historical Publications and Records Grants			
		<u>46,816</u>	-	Total — Research and Development — U. S. National Archives and Records Administration			
U. S. Department of Health and Human Services							
93.004	I	9,610	-	Cooperative Agreements to Improve the Health Status of Minority Populations	5U01GH001003-05	Universidad del Valle de Guatemala (UVG)	
93.067	D	(16,559)	-	Global AIDS			
93.067	I	31,336	-	Global AIDS	1NU2GGH001920-01-00	Centre for Infectious Disease Research	
93.067	I	5,075	-	Global AIDS	5NU2GGH001920-02-00	Centre for Infectious Disease Research	
93.067	I	(1)	-	Global AIDS	N/A	University of Malawi College of Medicine	
93.068	D	835,118	-	Chronic Diseases: Research, Control, and Prevention			
93.068	I	127,381	-	Chronic Diseases: Research, Control, and Prevention	6543-00-S001	Westat, Inc.	
93.073	D	1,114,449	13,748	Birth Defects and Developmental Disabilities - Prevention and Surveillance			
93.073	I	5,935	-	Birth Defects and Developmental Disabilities - Prevention and Surveillance	216069	Duke University	
93.077	D	1,945,995	229,406	Family Smoking Prevention and Tobacco Control Act Regulatory Research			
93.080	I	126,434	38,337	Blood Disorder Program: Prevention, Surveillance, and Research	ATHN2015001-IV-N-4	American Thrombosis and Hemostasis Network	
93.080	I	154,214	116,749	Blood Disorder Program: Prevention, Surveillance, and Research	ATHN2015001-IVN-3	American Thrombosis and Hemostasis Network	
93.083	D	487,001	99,641	Prevention of Disease, Disability, and Death through Immunization and Control of Respiratory and Related Diseases			
93.084	I	44,345	-	Prevention of Disease, Disability, and Death by Infectious Diseases	2036217	Duke University	
93.084	I	455	-	Prevention of Disease, Disability, and Death by Infectious Diseases	2036220	Duke University	
93.088	I	23,174	-	Advancing System Improvements for Key Issues in Women's Health	N/A	North Carolina Coalition Against Domestic	
93.088	I	30,257	-	Advancing System Improvements for Key Issues in Women's Health	N/A	North Carolina Coalition Against Domestic	
93.103	D	477,559	201,161	Food and Drug Administration Research			
93.103	I	37,088	-	Food and Drug Administration Research	N/A	Interstate Shellfish Sanitation Conference	
93.103	I	145,405	-	Food and Drug Administration Research	19-1190-UNC-CH	University of Tennessee Health Science C	
93.107	D	977,876	858,600	Area Health Education Centers			
93.110	D	3,276,216	793,314	Maternal and Child Health Federal Consolidated Programs			
93.110	I	53,257	-	Maternal and Child Health Federal Consolidated Programs	4500002669	Boston University	
93.110	I	20,500	-	Maternal and Child Health Federal Consolidated Programs	A062790	Emory University (EU)	
93.110	I	142,416	-	Maternal and Child Health Federal Consolidated Programs	AWD7773002-GR205656	Georgetown University	
93.110	I	84,928	-	Maternal and Child Health Federal Consolidated Programs	6 H30MC24046-07-00	Hemophilia of Georgia (HOG)	
93.110	I	15,909	-	Maternal and Child Health Federal Consolidated Programs	1638 G WA067	University of California at Los Angeles	
93.113	D	9,139,710	849,046	Environmental Health			
93.113	I	117,823	-	Environmental Health	4500002242	Boston University	
93.113	I	2,749	-	Environmental Health	203-6060	Duke University	
93.113	I	2,942	-	Environmental Health	203-6631	Duke University	
93.113	I	19,599	-	Environmental Health	203-7118	Duke University	
93.113	I	28,971	-	Environmental Health	A03-0200	Duke University	
93.113	I	2,200	-	Environmental Health	A03-1052	Duke University	
93.113	I	22,883	-	Environmental Health	T778769	Emory University (EU)	
93.113	I	54,161	-	Environmental Health	18-M69	George Washington University	
93.113	I	98,104	-	Environmental Health	2003147882	Johns Hopkins University	
93.113	I	38,066	-	Environmental Health	2003271084	Johns Hopkins University	
93.113	I	1,663	-	Environmental Health	N/A	MatTek Corporation	
93.113	I	35,693	-	Environmental Health	RC108247UNC	Michigan State University	
93.113	I	29,130	-	Environmental Health	2-340-0215502-65237L	Research Triangle Institute (RTI Interna)	
93.113	I	42,972	-	Environmental Health	16032-02	University of Illinois at Chicago (UIC)	
93.113	I	31,340	-	Environmental Health	417115-G/UR FAO GR51	University of Rochester	
93.113	I	48,249	-	Environmental Health	93348042	University of Southern California (USC)	
93.113	I	12,989	-	Environmental Health	UWSC10029/ BPO26342	University of Washington	
93.117	D	256,979	5,000	Preventive Medicine and Public Health Residency Training Program, Integrative Medicine Program, and National Center for Integrative Primary Healthcare			
93.121	D	6,493,408	1,050,658	Oral Diseases and Disorders Research			

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93.121	I	62,856	-	Oral Diseases and Disorders Research	N/A	Arcato Laboratories Inc.	
93.121	I	(2,803)	-	Oral Diseases and Disorders Research	01060145	Beth Israel Deaconess Medical Center	
93.121	I	681	-	Oral Diseases and Disorders Research	2000203699 (14-050S7)	Carolinas HealthCare System	
93.121	I	8,270	-	Oral Diseases and Disorders Research	3000301064 (14-050S7)	Carolinas HealthCare System	
93.121	I	142,813	-	Oral Diseases and Disorders Research	3000301333	Carolinas HealthCare System	
93.121	I	15,840	-	Oral Diseases and Disorders Research	K002137-00-S01	Kitware, Inc.	
93.121	I	22,768	-	Oral Diseases and Disorders Research	K002197-00-S01	Kitware, Inc.	
93.121	I	33,210	-	Oral Diseases and Disorders Research	K002271-00-S01	Kitware, Inc.	
93.121	I	60,409	-	Oral Diseases and Disorders Research	233220	Massachusetts General Hospital	
93.121	I	-	-	Oral Diseases and Disorders Research	F6934-02	New York University (NYU)	
93.121	I	40,979	-	Oral Diseases and Disorders Research	F8883-02	New York University (NYU)	
93.121	I	-	-	Oral Diseases and Disorders Research	10829SUB	Seattle Children's Hospital	
93.121	I	153	(302)	Oral Diseases and Disorders Research	11529SUB	Seattle Children's Hospital	
93.121	I	7,306	-	Oral Diseases and Disorders Research	11531SUB	Seattle Children's Hospital	
93.121	I	1,170	-	Oral Diseases and Disorders Research	11963SUB	Seattle Children's Hospital	
93.121	I	32,882	-	Oral Diseases and Disorders Research	11719SUB	Seattle Children's Hospital Research Inst	
93.121	I	5	-	Oral Diseases and Disorders Research	UNC21127-2335	The Forsyth Institute	
93.121	I	74,629	-	Oral Diseases and Disorders Research	22000007-133	The Methodist Hospital Research Institute	
93.121	I	206,222	-	Oral Diseases and Disorders Research	22000010-170	The Methodist Hospital Research Institute	
93.121	I	117,097	-	Oral Diseases and Disorders Research	100085200004/PO#EP01	Tufts University	
93.121	I	38,536	(1,838)	Oral Diseases and Disorders Research	100852-00003	Tufts University	
93.121	I	1,327	-	Oral Diseases and Disorders Research	10034028-01	University of Utah	
93.121	I	14,864	-	Oral Diseases and Disorders Research	10034028-01/U0001590	University of Utah	
93.127	D	252,126	11,200	Emergency Medical Services for Children			
93.135	D	2,286,342	212,919	Centers for Research and Demonstration for Health Promotion and Disease Prevention			
93.135	I	2,729	-	Centers for Research and Demonstration for Health Promotion and Disease Prevention	PO#3000602118/000033	University of Texas MD Anderson Cancer	
93.136	D	2,832,515	142,683	Injury Prevention and Control Research and State and Community Based Programs			
93.136	I	12,223	-	Injury Prevention and Control Research and State and Community Based Programs	417322G / UR FAO GR5	University of Rochester	
93.136	I	35,444	-	Injury Prevention and Control Research and State and Community Based Programs	417372G / UR FAO GR5	University of Rochester	
93.137	I	65,341	-	Community Programs to Improve Minority Health Grant Program	N/A	American College of Rheumatology Research	
93.143	D	4,606	(300)	NIEHS Superfund Hazardous Substances Basic Research and Education			
93.143	I	53,149	-	NIEHS Superfund Hazardous Substances Basic Research and Education	02-M1800359	Texas A and M University	
93.143	I	24,897	-	NIEHS Superfund Hazardous Substances Basic Research and Education	M1800359	Texas A and M University	
93.145	I	188,362	-	HIV-Related Training and Technical Assistance	VUMC 56921	Vanderbilt University	
93.153	I	21,919	-	Coordinated Services and Access to Research for Women, Infants, Children, and Youth	309-0070	Duke University	
93.153	I	7,750	-	Coordinated Services and Access to Research for Women, Infants, Children, and Youth	3090071	Duke University	
93.153	I	65,563	-	Coordinated Services and Access to Research for Women, Infants, Children, and Youth	3090081	Duke University	
93.153	I	48,783	-	Coordinated Services and Access to Research for Women, Infants, Children, and Youth	3090082	Duke University	
93.155	D	1,208,221	169,997	Rural Health Research Centers			
93.155	I	49,859	-	Rural Health Research Centers	N/A	Foundation for Health Leadership	
93.155	I	14,748	-	Rural Health Research Centers	S00488-01	University of Iowa	
93.155	I	11,792	-	Rural Health Research Centers	W001061668 PO 10019	University of Iowa	
93.172	D	9,312,267	2,622,798	Human Genome Research			
93.172	I	12,316	-	Human Genome Research	N/A	Cell Microsystems, Inc.	
93.172	I	21,792	-	Human Genome Research	A030503	Duke University	
93.172	I	-	-	Human Genome Research	12-NIH-1104	Duke University Medical Center	
93.172	I	79,423	-	Human Genome Research	0355	Rutgers the State University of New Jersey	
93.172	I	116,002	-	Human Genome Research	0742 PO 951390	Rutgers the State University of New Jersey	
93.172	I	35,418	-	Human Genome Research	N/A	Rutgers the State University of New Jersey	
93.172	I	106,790	-	Human Genome Research	82634	SUNY at Stony Brook	
93.172	I	40,769	-	Human Genome Research	ULRF 16-0709-03	University of Louisville	
93.173	D	1,513,629	93,003	Research Related to Deafness and Communication Disorders			
93.173	I	65,708	-	Research Related to Deafness and Communication Disorders	R01DC011038/96419-A	Boys Town National Research Hospital	
93.173	I	209,128	500	Research Related to Deafness and Communication Disorders	R01DC015056	Boys Town National Research Hospital	
93.173	I	2,335	-	Research Related to Deafness and Communication Disorders	800198	Drexel University	
93.173	I	67,450	-	Research Related to Deafness and Communication Disorders	SP0038317-PROJ001053	Northwestern University	
93.173	I	7,453	-	Research Related to Deafness and Communication Disorders	60070612	Ohio State University	

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93.173	I	12,031	-	Research Related to Deafness and Communication Disorders	1001683015	University of Iowa	
93.173	I	629	(1,210)	Research Related to Deafness and Communication Disorders	N/A	University of Iowa	
93.173	I	24,352	-	Research Related to Deafness and Communication Disorders	16-009267 A00	University of Massachusetts at Amherst	
93.173	I	(2,176)	-	Research Related to Deafness and Communication Disorders	89151268	University of Southern California (USC)	
93.178	D	507,837	31,267	Nursing Workforce Diversity			
93.186	D	379,566	-	National Research Service Award in Primary Care Medicine			
93.211	D	335,937	91,127	Telehealth Programs			
93.213	D	1,948,423	(3,350)	Research and Training in Complementary and Integrative Health			
93.213	I	17,679	-	Research and Training in Complementary and Integrative Health	27007-3200991219	Children's Hospital of Philadelphia	
93.213	I	9,118	-	Research and Training in Complementary and Integrative Health	3200991219/PO 962926	Children's Hospital of Philadelphia	
93.213	I	13,087	-	Research and Training in Complementary and Integrative Health	203-7756	Duke University	
93.213	I	23,246	-	Research and Training in Complementary and Integrative Health	203-7921	Duke University	
93.213	I	1	-	Research and Training in Complementary and Integrative Health	2035333	Duke University	
93.225	D	136,936	(280)	National Research Service Awards Health Services Research Training			
93.226	D	5,191,233	945,393	Research on Healthcare Costs, Quality and Outcomes			
93.226	I	101,488	-	Research on Healthcare Costs, Quality and Outcomes	R1091	Dartmouth College	
93.226	I	84,895	-	Research on Healthcare Costs, Quality and Outcomes	203-7625	Duke University	
93.226	I	186,193	-	Research on Healthcare Costs, Quality and Outcomes	203-7640	Duke University	
93.226	I	2,917	-	Research on Healthcare Costs, Quality and Outcomes	2038055	Duke University	
93.226	I	28,824	-	Research on Healthcare Costs, Quality and Outcomes	2003209559	Johns Hopkins University	
93.241	I	27,569	-	State Rural Hospital Flexibility Program	P004027953	University of Minnesota	
93.241	I	419,895	-	State Rural Hospital Flexibility Program	P007036253	University of Minnesota	
93.242	D	31,462,065	6,896,866	Mental Health Research Grants			
93.242	I	24,416	-	Mental Health Research Grants	31468-01	American University (AU)	
93.242	I	17,364	-	Mental Health Research Grants	31503-A180065-S01	American University (AU)	
93.242	I	10,060	-	Mental Health Research Grants	SIS-31448-02	American University (AU)	
93.242	I	42,354	-	Mental Health Research Grants	N/A	Blackrock Microsystems	
93.242	I	162,154	-	Mental Health Research Grants	00001130	Brown University	
93.242	I	13,932	-	Mental Health Research Grants	11-17-02 sub1	Des Moines University (DMU)	
93.242	I	60,013	-	Mental Health Research Grants	2034233	Duke University	
93.242	I	4,559	-	Mental Health Research Grants	2035821	Duke University	
93.242	I	24,777	-	Mental Health Research Grants	A03-1588	Duke University	
93.242	I	22,035	-	Mental Health Research Grants	A030921	Duke University	
93.242	I	13,995	-	Mental Health Research Grants	A056711	Emory University (EU)	
93.242	I	24,215	-	Mental Health Research Grants	A056773	Emory University (EU)	
93.242	I	8,525	-	Mental Health Research Grants	T856966	Emory University (EU)	
93.242	I	3,174	-	Mental Health Research Grants	T931147	Emory University (EU)	
93.242	I	12,596	-	Mental Health Research Grants	136025-5109031	Harvard University	
93.242	I	31,943	-	Mental Health Research Grants	149869.5101563.0114	Harvard University Medical School	
93.242	I	20,616	-	Mental Health Research Grants	149869.5101563.0214	Harvard University Medical School	
93.242	I	141,961	-	Mental Health Research Grants	2003027466	Johns Hopkins University	
93.242	I	10,559	-	Mental Health Research Grants	2004003087	Johns Hopkins University	
93.242	I	13,109	-	Mental Health Research Grants	N/A	Kennedy Krieger Institute	
93.242	I	13,905	-	Mental Health Research Grants	K002617-00-S01	Kitware, Inc.	
93.242	I	91,191	(1,628)	Mental Health Research Grants	0255-3351-4609	Mount Sinai School of Medicine	
93.242	I	33,929	-	Mental Health Research Grants	0255-B711-4609	Mount Sinai School of Medicine	
93.242	I	13,329	-	Mental Health Research Grants	60040275 UNC	Northwestern University	
93.242	I	47,211	-	Mental Health Research Grants	0744	Pacific Institute for Research and Evalua	
93.242	I	28,664	-	Mental Health Research Grants	1-312-0216595-65418L	Research Triangle Institute (RTI Interna	
93.242	I	3,666	-	Mental Health Research Grants	IN4684136UNC	Trustees of Indiana University	
93.242	I	67,177	-	Mental Health Research Grants	574016	Trustees of the Univ. of Pennsylvania	
93.242	I	574	-	Mental Health Research Grants	574016/PO#4078946	Trustees of the Univ. of Pennsylvania	
93.242	I	52,267	-	Mental Health Research Grants	TUL-HSC-555238-17/18	Tulane University	
93.242	I	79,983	-	Mental Health Research Grants	A15-0085-S002	University of California at Davis (UCD)	
93.242	I	38,616	-	Mental Health Research Grants	2015-3230	University of California at Irvine (UCI)	
93.242	I	62,951	-	Mental Health Research Grants	8288SC	University of California at San Francisco	
93.242	I	786	-	Mental Health Research Grants	9451SC	University of California at San Francisco	
93.242	I	47,624	-	Mental Health Research Grants	SC37573-03-00 / PO15	University of Denver	
93.242	I	30,927	-	Mental Health Research Grants	087283-16478	University of Illinois at Urbana-Champai	
93.242	I	36,504	-	Mental Health Research Grants	A004036501	University of Minnesota	
93.242	I	35,744	-	Mental Health Research Grants	A006759601	University of Minnesota	
93.242	I	16,230	-	Mental Health Research Grants	34-5250-2001-001	University of Nebraska Medical Center	

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93.242	I	40,050	-	Mental Health Research Grants	416351	University of Rochester	
93.242	I	6,965	-	Mental Health Research Grants	417356/URFAO GR5107	University of Rochester	
93.242	I	(3,730)	-	Mental Health Research Grants	3001008468	University of Texas MD Anderson Cancer C	
93.242	I	31,901	-	Mental Health Research Grants	UWSC9149/ 15897	University of Washington	
93.242	I	28,789	-	Mental Health Research Grants	686K221	University of Wisconsin at Madison	
93.242	I	7,448	-	Mental Health Research Grants	781K406	University of Wisconsin at Madison	
93.242	I	184,966	1,445	Mental Health Research Grants	N/A	Virtually Better, Inc	
93.242	I	182,354	-	Mental Health Research Grants	N/A	Xona Microfluidics, LLC	
93.242	I	334,194	-	Mental Health Research Grants	GR104018 (CON-800013)	Yale University	
93.243	D	1,413,020	155,253	Substance Abuse and Mental Health Services Projects of Regional and National Significance			
93.243	I	3,514	-	Substance Abuse and Mental Health Services Projects of Regional and National Significance	4600469202	South Carolina Department of Health and	
93.243	I	5,334	-	Substance Abuse and Mental Health Services Projects of Regional and National Significance	GR103896(CON-8000135)	Yale University	
93.243	I	-	-	Substance Abuse and Mental Health Services Projects of Regional and National Significance	M13A11521 (A09092)	Yale University	
93.243	I	1,750	-	Substance Abuse and Mental Health Services Projects of Regional and National Significance	M17A12587(CON-800009)	Yale University	
93.247	D	470,206	-	Advanced Nursing Education Workforce Grant Program			
93.262	D	1,472,748	365,266	Occupational Safety and Health Program			
93.262	I	50,920	-	Occupational Safety and Health Program	17-A1-00-006508-01/1	New York University (NYU)	
93.262	I	124,908	-	Occupational Safety and Health Program	4885/102815	University of Rhode Island	
93.262	I	77,153	-	Occupational Safety and Health Program	4885/102815 128669	University of Rhode Island	
93.273	D	11,225,925	579,223	Alcohol Research Programs			
93.273	I	42,194	-	Alcohol Research Programs	14-NIH-1043	Duke University	
93.273	I	34,271	-	Alcohol Research Programs	19-22-003	Louisiana State University (LSU)	
93.273	I	43,957	-	Alcohol Research Programs	82381-1149018-UNC	SUNY Research Foundation	
93.273	I	29,696	-	Alcohol Research Programs	F217227-1 SR0000537	University of Maryland at Baltimore (UMB)	
93.279	D	9,117,396	1,211,369	Drug Abuse and Addiction Research Programs			
93.279	I	66,819	-	Drug Abuse and Addiction Research Programs	0001325422	Cedars Sinai Medical Center	
93.279	I	11,919	-	Drug Abuse and Addiction Research Programs	2035733	Duke University	
93.279	I	518	-	Drug Abuse and Addiction Research Programs	2036645	Duke University	
93.279	I	49,622	-	Drug Abuse and Addiction Research Programs	2037179	Duke University	
93.279	I	71,237	1,290	Drug Abuse and Addiction Research Programs	A030188	Duke University	
93.279	I	48,147	-	Drug Abuse and Addiction Research Programs	A030195	Duke University	
93.279	I	1,205	-	Drug Abuse and Addiction Research Programs	A031533	Duke University	
93.279	I	136,407	-	Drug Abuse and Addiction Research Programs	210247-0418-07	Jackson Laboratory	
93.279	I	22,303	-	Drug Abuse and Addiction Research Programs	210247-0419	Jackson Laboratory	
93.279	I	27,037	-	Drug Abuse and Addiction Research Programs	210247-0420-07	Jackson Laboratory	
93.279	I	(2)	-	Drug Abuse and Addiction Research Programs	710-9833-8985	Miriam Hospital	
93.279	I	18,995	-	Drug Abuse and Addiction Research Programs	7147060LBR	Miriam Hospital	
93.279	I	12,996	-	Drug Abuse and Addiction Research Programs	7147098LBR	Miriam Hospital	
93.279	I	13,671	-	Drug Abuse and Addiction Research Programs	60061683	Ohio State University	
93.279	I	64,311	-	Drug Abuse and Addiction Research Programs	60065615	Ohio State University	
93.279	I	3	-	Drug Abuse and Addiction Research Programs	1-312-0213082/888-11	Research Triangle Institute (RTI Interna)	
93.279	I	44,586	-	Drug Abuse and Addiction Research Programs	1-312-0216046-65210	Research Triangle Institute (RTI Interna)	
93.279	I	36,153	-	Drug Abuse and Addiction Research Programs	1-312-0216046-65210L	Research Triangle Institute (RTI Interna)	
93.279	I	32,547	-	Drug Abuse and Addiction Research Programs	1-340-0216071-65060L	Research Triangle Institute (RTI Interna)	
93.279	I	45,640	-	Drug Abuse and Addiction Research Programs	2-312-0216046-65212L	Research Triangle Institute (RTI Interna)	
93.279	I	11,502	-	Drug Abuse and Addiction Research Programs	2-340-0215297-52570L	Research Triangle Institute (RTI Interna)	
93.279	I	37,805	-	Drug Abuse and Addiction Research Programs	3-312-0216046-65211L	Research Triangle Institute (RTI Interna)	
93.279	I	9,626	-	Drug Abuse and Addiction Research Programs	7017137280	Rhode Island Hospital	
93.279	I	120,986	-	Drug Abuse and Addiction Research Programs	5-27127	Scripps Research Institute	
93.279	I	73,313	-	Drug Abuse and Addiction Research Programs	N/A	Scripps Research Institute	
93.279	I	15,245	-	Drug Abuse and Addiction Research Programs	52748 / PO #G1901309	University of Arkansas	
93.279	I	(4,000)	-	Drug Abuse and Addiction Research Programs	N/A	University of Florida	
93.279	I	(308)	-	Drug Abuse and Addiction Research Programs	UFDSP00011926	University of Florida	
93.279	I	102,777	-	Drug Abuse and Addiction Research Programs	566032	University of Pennsylvania Board of Trus	
93.279	I	3,809	-	Drug Abuse and Addiction Research Programs	AWD00000068 (132578)	University of Pittsburgh	
93.279	I	129,788	-	Drug Abuse and Addiction Research Programs	61878019	University of Southern California (USC)	
93.279	I	40,129	-	Drug Abuse and Addiction Research Programs	GB10546.PO #2126807	University of Virginia	
93.279	I	31,890	-	Drug Abuse and Addiction Research Programs	GR1026976 (CON-80001)	Yale University	

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93.283	D	2,047,941	14,930	Centers for Disease Control and Prevention Investigations and Technical Assistance			
93.283	I	7,807	-	Centers for Disease Control and Prevention Investigations and Technical Assistance	N/A	American Thrombosis and Hemostasis Network	
93.286	D	4,246,323	409,825	Discovery and Applied Research for Technological Innovations to Improve Human Health			
93.286	I	2,099	-	Discovery and Applied Research for Technological Innovations to Improve Human Health	203-5442	Duke University	
93.286	I	4,429	-	Discovery and Applied Research for Technological Innovations to Improve Human Health	203-6700	Duke University	
93.286	I	107,444	-	Discovery and Applied Research for Technological Innovations to Improve Human Health	203-7399	Duke University	
93.286	I	8,936	-	Discovery and Applied Research for Technological Innovations to Improve Human Health	A03-0631	Duke University	
93.286	I	60,937	-	Discovery and Applied Research for Technological Innovations to Improve Human Health	RFA-EB-16-001	IVY.AI, INC.	
93.286	I	31,580	-	Discovery and Applied Research for Technological Innovations to Improve Human Health	2-R44-EB021704-02-03	KIYATEC Inc.	
93.286	I	262,869	-	Discovery and Applied Research for Technological Innovations to Improve Human Health	K001687-00-S01	Kitware, Inc.	
93.286	I	6,770	-	Discovery and Applied Research for Technological Innovations to Improve Human Health	K001837-00-S01	Kitware, Inc.	
93.286	I	6,655	-	Discovery and Applied Research for Technological Innovations to Improve Human Health	SP0039578-PROJ001187	Northwestern University	
93.286	I	245,982	-	Discovery and Applied Research for Technological Innovations to Improve Human Health	SUB00001509	University of Georgia	
93.286	I	200,351	-	Discovery and Applied Research for Technological Innovations to Improve Human Health	092585-17169	University of Illinois Board of Trustees	
93.286	I	70,113	-	Discovery and Applied Research for Technological Innovations to Improve Human Health	FY2017-040	University of Kansas Center for Research	
93.286	I	16,020	-	Discovery and Applied Research for Technological Innovations to Improve Human Health	UNIV59046	Vanderbilt University	
93.286	I	45,276	-	Discovery and Applied Research for Technological Innovations to Improve Human Health	VUMC 60090	Vanderbilt University	
93.300	D	458,704	25,551	National Center for Health Workforce Analysis			
93.300	I	24,950	-	National Center for Health Workforce Analysis	18-4	SUNY Research Foundation	
93.300	I	33,421	-	National Center for Health Workforce Analysis	3004232572	University of Michigan (UMICH)	
93.307	D	4,223,788	1,055,816	Minority Health and Health Disparities Research			
93.307	I	43,317	-	Minority Health and Health Disparities Research	31106A/PO#P0650914	Albert Einstein College of Medicine Inc	
93.307	I	11,705	-	Minority Health and Health Disparities Research	N/A	Albert Einstein College of Medicine Inc	
93.307	I	21,942	-	Minority Health and Health Disparities Research	140214SEA043-27	Meharry Medical College	
93.307	I	23,243	-	Minority Health and Health Disparities Research	573518	Trustees of the Univ. of Pennsylvania	
93.307	I	87,056	-	Minority Health and Health Disparities Research	575095	Trustees of the Univ. of Pennsylvania	
93.307	I	6,944	-	Minority Health and Health Disparities Research	576151	Trustees of the Univ. of Pennsylvania	
93.307	I	44,748	-	Minority Health and Health Disparities Research	52211-UNC	University of Arkansas	
93.307	I	29,927	-	Minority Health and Health Disparities Research	088353-16582	University of Illinois at Urbana-Champaign	
93.307	I	12,750	-	Minority Health and Health Disparities Research	SPC-000745/SPC-00044	University of Miami	
93.307	I	13,489	-	Minority Health and Health Disparities Research	3002987899	University of Michigan (UMICH)	
93.307	I	189,280	-	Minority Health and Health Disparities Research	16-2910/PO2000005316	University of South Carolina (USC)	
93.307	I	138,272	-	Minority Health and Health Disparities Research	6408-1117-00-B	University of South Florida Tampa	
93.307	I	10,916	-	Minority Health and Health Disparities Research	193405399	University of Wisconsin at Milwaukee	
93.307	I	41,008	-	Minority Health and Health Disparities Research	M17A12612(CON-800006)	Yale University	
93.310	D	12,816,578	6,117,244	Trans-NIH Research Support			
93.310	I	62,997	-	Trans-NIH Research Support	18-330	Arizona State University	
93.310	I	(486)	-	Trans-NIH Research Support	68-1096429	California Institute of Technology (CaIT)	
93.310	I	80,966	-	Trans-NIH Research Support	S386941	California Institute of Technology (CaIT)	
93.310	I	53,479	-	Trans-NIH Research Support	R902	Dartmouth College	
93.310	I	18,664	-	Trans-NIH Research Support	800110	Drexel University	
93.310	I	90,796	-	Trans-NIH Research Support	800175	Drexel University	
93.310	I	179,009	-	Trans-NIH Research Support	203-7936	Duke University	
93.310	I	35,379	-	Trans-NIH Research Support	2037591	Duke University	
93.310	I	16,886	-	Trans-NIH Research Support	A030021	Duke University	
93.310	I	2,912	-	Trans-NIH Research Support	0255-2292-4609	Mount Sinai School of Medicine	
93.310	I	60,086	-	Trans-NIH Research Support	16-A0-00-006256-01	NYU Medical Center	
93.310	I	152,236	-	Trans-NIH Research Support	F0018-03	New York University (NYU)	
93.310	I	557,631	-	Trans-NIH Research Support	F0019-03	New York University (NYU)	

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Federal CFDA Number	Direct / Indirect	Program Expenditures	Amount Provided to Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
93.310	I	88,899	-	Trans-NIH Research Support	1-312-0215007-52418L	Research Triangle Institute (RTI Interna)	
93.310	I	374,350	-	Trans-NIH Research Support	1-340-0215040-52885L	Research Triangle Institute (RTI Interna)	
93.310	I	26,928	-	Trans-NIH Research Support	111593808	University of California at San Diego	
93.310	I	1,620	-	Trans-NIH Research Support	3005022571	University of Michigan (UMICH)	
93.310	I	3,024	-	Trans-NIH Research Support	SUBK00010317/ 300519	University of Michigan (UMICH)	
93.310	I	135,534	-	Trans-NIH Research Support	A19-0026-S002	University of South Dakota	
93.310	I	3,380	-	Trans-NIH Research Support	9525	Women and Infants Hospital of Rhode Island	
93.318	I	61,241	-	Protecting and Improving Health Globally: Building and Strengthening Public Health Impact, Systems, Capacity and Security	2004034755	Johns Hopkins Bloomberg School of Public	
93.330	D	3,583	-	Leadership in Public Health Social Work Education Grant Program			
93.350	D	14,548,971	1,756,080	National Center for Advancing Translational Sciences			
93.350	I	(334)	-	National Center for Advancing Translational Sciences	203-7551	Duke University	
93.350	I	29,978	-	National Center for Advancing Translational Sciences	203-7877	Duke University	
93.350	I	231,090	-	National Center for Advancing Translational Sciences	A039101	Duke University	
93.350	I	15,949	-	National Center for Advancing Translational Sciences	N/A	Falcon Therapeutics, Inc.	
93.350	I	253,573	-	National Center for Advancing Translational Sciences	1R44TR001916-02/ PA	Luceome Biotechnologies, L.L.C.	
93.350	I	70,945	-	National Center for Advancing Translational Sciences	MUSC17-042-8C828	Medical University of South Carolina (MU	
93.350	I	2,210	-	National Center for Advancing Translational Sciences	MUSC19-016-8C828	Medical University of South Carolina (MU	
93.350	I	105,369	-	National Center for Advancing Translational Sciences	1-312-0215481-52686L	Research Triangle Institute (RTI Interna)	
93.350	I	20,168	-	National Center for Advancing Translational Sciences	N/A	Tufts-New England Medical Center	
93.350	I	4,647	-	National Center for Advancing Translational Sciences	0055353 (129324-30)	University of Pittsburgh	
93.350	I	38,863	-	National Center for Advancing Translational Sciences	0055353 (130910-30)	University of Pittsburgh	
93.350	I	1,722	-	National Center for Advancing Translational Sciences	N/A	University of Pittsburgh	
93.350	I	161,377	-	National Center for Advancing Translational Sciences	VUMC65891	Vanderbilt University	
93.351	D	2,643,139	-	Research Infrastructure Programs			
93.351	I	9,640	-	Research Infrastructure Programs	210265	Jackson Laboratory	
93.353	D	500,945	-	21st Century Cures Act - Beau Biden Cancer Moonshot			
93.353	I	73,663	-	21st Century Cures Act - Beau Biden Cancer Moonshot	30004929-01	Children's Research Institute	
93.353	I	156,904	500	21st Century Cures Act - Beau Biden Cancer Moonshot	1001837485	University of Iowa	
93.359	D	250,457	24,484	Nurse Education, Practice Quality and Retention Grants			
93.359	I	209,457	-	Nurse Education, Practice Quality and Retention Grants	1618NEPQR	Piedmont Health, Inc.	
93.361	D	2,685,001	445,985	Nursing Research			
93.361	I	51,612	-	Nursing Research	30003061-01	Children's Research Institute	
93.361	I	562	-	Nursing Research	30003061-01-07	Children's Research Institute	
93.361	I	747	-	Nursing Research	2035898	Duke University	
93.361	I	986	-	Nursing Research	214931	Duke University	
93.361	I	92,106	-	Nursing Research	A046516	Emory University (EU)	
93.361	I	107	-	Nursing Research	14-1995	Keona Health, Inc.	
93.361	I	42,408	-	Nursing Research	60059901	Ohio State University	
93.361	I	10,848	-	Nursing Research	60067618	Ohio State University	
93.361	I	76,264	-	Nursing Research	FY18.105.017	University of Colorado Denver	
93.361	I	76,665	-	Nursing Research	19-3795 PO#20000431	University of South Carolina (USC)	
93.361	I	124,801	-	Nursing Research	FP00006641-SA001	Virginia Commonwealth University (VCU)	
93.393	D	12,749,150	2,247,192	Cancer Cause and Prevention Research			
93.393	I	(5,795)	-	Cancer Cause and Prevention Research	N/A	BD Technologies	
93.393	I	35,428	(18)	Cancer Cause and Prevention Research	01027406	Beth Israel Deaconess Medical Center	
93.393	I	5,753	-	Cancer Cause and Prevention Research	2035764	Duke University	
93.393	I	18,540	-	Cancer Cause and Prevention Research	A030293	Duke University	
93.393	I	15,499	-	Cancer Cause and Prevention Research	A031031	Duke University	
93.393	I	1,437	-	Cancer Cause and Prevention Research	PO 1568 G NA643	EMMES Corporation	
93.393	I	(13)	-	Cancer Cause and Prevention Research	T020036	Emory University (EU)	
93.393	I	35,435	-	Cancer Cause and Prevention Research	411518-GR412884-UNC	Georgetown University	
93.393	I	65,076	-	Cancer Cause and Prevention Research	AH000632	Harvard Pilgrim Health Care	
93.393	I	350,697	-	Cancer Cause and Prevention Research	CRA SCR 2018-28	International Agency for Research on Can	
93.393	I	23,664	-	Cancer Cause and Prevention Research	SCR/17/02	International Agency for Research on Can	
93.393	I	22,561	-	Cancer Cause and Prevention Research	BD525155	Memorial Sloan-Kettering Cancer Center	
93.393	I	12,206	-	Cancer Cause and Prevention Research	0255-6601-4609	Mount Sinai School of Medicine	
93.393	I	153,013	-	Cancer Cause and Prevention Research	1-312-0215410-52694L	Research Triangle Institute (RTI Interna)	
93.393	I	1,367	-	Cancer Cause and Prevention Research	N/A	Triangle Biotechnology, Inc.	
93.393	I	54,300	-	Cancer Cause and Prevention Research	N/A	Triangle Biotechnology, Inc.	
93.393	I	7,037	-	Cancer Cause and Prevention Research	565706	Trustees of the Univ. of Pennsylvania	
93.393	I	7,892	-	Cancer Cause and Prevention Research	565706/PO3998528	Trustees of the Univ. of Pennsylvania	

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93.393	I	12,717	-	Cancer Cause and Prevention Research	10252sc	University of California Regents	
93.393	I	(2,734)	-	Cancer Cause and Prevention Research	201603696-08	University of California at Davis (UCD)	
93.393	I	297,972	-	Cancer Cause and Prevention Research	201603696-08/ A18-01	University of California at Davis (UCD)	
93.393	I	16,159	-	Cancer Cause and Prevention Research	3004700015	University of Michigan (UMICH)	
93.393	I	77,675	-	Cancer Cause and Prevention Research	PO #3005117496	University of Michigan (UMICH)	
93.393	I	338,936	27,502	Cancer Cause and Prevention Research	3RCQ4	University of New Mexico at Albuquerque	
93.393	I	889	-	Cancer Cause and Prevention Research	VUMC 58928	Vanderbilt University Medical Center	
93.393	I	302,664	-	Cancer Cause and Prevention Research	VUMC58792	Vanderbilt University Medical Center	
93.393	I	10,373	-	Cancer Cause and Prevention Research	VUMC58928	Vanderbilt University Medical Center	
93.393	I	38,681	-	Cancer Cause and Prevention Research	130544-G003764	Washington State University	
93.394	D	3,452,443	704,361	Cancer Detection and Diagnosis Research			
93.394	I	7,650	-	Cancer Detection and Diagnosis Research	N/A	Asystbio Laboratories LLC	
93.394	I	32,712	-	Cancer Detection and Diagnosis Research	7000000410	Baylor College of Medicine	
93.394	I	92,030	-	Cancer Detection and Diagnosis Research	N/A	BioFluidica Microtechnologies LLC	
93.394	I	3,639	-	Cancer Detection and Diagnosis Research	SBIRSub1	Capio Biosciences, Inc.	
93.394	I	(5,164)	-	Cancer Detection and Diagnosis Research	41950-A	City University of New York (CUNY)	
93.394	I	47,717	-	Cancer Detection and Diagnosis Research	CM00001074	City University of New York (CUNY)	
93.394	I	17,754	-	Cancer Detection and Diagnosis Research	N/A	City University of New York (CUNY)	
93.394	I	1,249	-	Cancer Detection and Diagnosis Research	203-5616	Duke University	
93.394	I	133,693	-	Cancer Detection and Diagnosis Research	203-6050	Duke University	
93.394	I	53,085	-	Cancer Detection and Diagnosis Research	A03-0637	Duke University	
93.394	I	24,063	-	Cancer Detection and Diagnosis Research	000940715	Fred Hutchinson Cancer Research Center	
93.394	I	128	-	Cancer Detection and Diagnosis Research	N/A	ImCare Biotech, LLC	
93.394	I	2,062	-	Cancer Detection and Diagnosis Research	CRA NO GEP /16/07	International Agency for Research on Can	
93.394	I	8,443	-	Cancer Detection and Diagnosis Research	CRA No. GEP/16/07	International Agency for Research on Can	
93.394	I	(2,038)	-	Cancer Detection and Diagnosis Research	K000646-00-S01	Kitware, Inc.	
93.394	I	4,446	-	Cancer Detection and Diagnosis Research	K002546-00-S01	Kitware, Inc.	
93.394	I	6,891	-	Cancer Detection and Diagnosis Research	THE-242677/PO #66089	Mayo Clinic in Jacksonville	
93.394	I	84,144	-	Cancer Detection and Diagnosis Research	SUB0000166	Princeton University	
93.394	I	31,436	-	Cancer Detection and Diagnosis Research	R1109660	SUNY at Buffalo	
93.394	I	51,477	-	Cancer Detection and Diagnosis Research	PA-16-302	Sonovol, LLC	
93.394	I	1	-	Cancer Detection and Diagnosis Research	3001861664	University of Michigan (UMICH)	
93.394	I	34,913	-	Cancer Detection and Diagnosis Research	3004034932	University of Michigan (UMICH)	
93.395	D	16,207,866	2,888,828	Cancer Treatment Research			
93.395	I	38,952	-	Cancer Treatment Research	311392 / P0705740	Albert Einstein College of Medicine Inc	
93.395	I	1,057	-	Cancer Treatment Research	7000000573	Baylor College of Medicine	
93.395	I	12,952	-	Cancer Treatment Research	7000000787	Baylor University College of Medicine	
93.395	I	31,163	-	Cancer Treatment Research	N/A	Children's Hospital of Philadelphia	
93.395	I	29,891	-	Cancer Treatment Research	2035177	Duke University	
93.395	I	(29,341)	-	Cancer Treatment Research	2035335	Duke University	
93.395	I	(5,265)	-	Cancer Treatment Research	2035883	Duke University	
93.395	I	(18,269)	-	Cancer Treatment Research	2035886	Duke University	
93.395	I	505,231	-	Cancer Treatment Research	2036079/ 2036088	Duke University	
93.395	I	12,373	-	Cancer Treatment Research	2037159	Duke University	
93.395	I	50,023	-	Cancer Treatment Research	N/A	Duke University	
93.395	I	16,913	-	Cancer Treatment Research	5UG1CA189828-05-UNC1	ECOG-ACRIN Medical Research Foundation	
93.395	I	26,933	-	Cancer Treatment Research	CRA/SCR/2017/18	International Agency for Research on Can	
93.395	I	30,274	-	Cancer Treatment Research	232880	Massachusetts General Hospital	
93.395	I	1,771	-	Cancer Treatment Research	63981984	Mayo Clinic	
93.395	I	5,627	-	Cancer Treatment Research	65507744 UNC 194321	Mayo Clinic	
93.395	I	122,682	1,750	Cancer Treatment Research	CHU-194321/P0 #66118	Mayo Clinic	
93.395	I	3,515	2,400	Cancer Treatment Research	NOR-194321	Mayo Clinic	
93.395	I	59,727	-	Cancer Treatment Research	UNC-194321-04 / 6618	Mayo Clinic	
93.395	I	(43)	-	Cancer Treatment Research	UCH-194321/P06557865	Mayo Clinic in Rochester	
93.395	I	53,379	-	Cancer Treatment Research	BD524466	Memorial Sloan-Kettering Cancer Center	
93.395	I	292,398	-	Cancer Treatment Research	0255-3281-4609	Mount Sinai School of Medicine	
93.395	I	52,684	-	Cancer Treatment Research	N/A	Reveris Therapeutics	
93.395	I	64,399	-	Cancer Treatment Research	1568 G TA857	University of California at Los Angeles	
93.395	I	29,947	-	Cancer Treatment Research	1568 G TA857 4-44134	University of California at Los Angeles	
93.395	I	36,306	-	Cancer Treatment Research	1568 G UA023	University of California at Los Angeles	
93.395	I	96,379	-	Cancer Treatment Research	1568 G UA696	University of California at Los Angeles	
93.395	I	(200)	-	Cancer Treatment Research	N/A	University of Chicago Cancer and Leukemia	

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93.395	I	5,171	-	Cancer Treatment Research	FY2016-005	University of Kansas Center for Research	
93.395	I	53,097	-	Cancer Treatment Research	FY2016-020-M4	University of Kansas Center for Research	
93.395	I	20,654	-	Cancer Treatment Research	F218776-1 / PO SR000	University of Maryland at Baltimore (UMB)	
93.395	I	-	-	Cancer Treatment Research	PD300785-SC105154	Virginia Commonwealth University (VCU)	
93.395	I	29,998	-	Cancer Treatment Research	N/A	Yeshiva University	
93.396	D	8,073,399	950,495	Cancer Biology Research			
93.396	I	(2)	-	Cancer Biology Research	5600599560	Baylor University College of Medicine	
93.396	I	117,444	-	Cancer Biology Research	N/A	EpiCypher, Inc.	
93.396	I	20,470	-	Cancer Biology Research	B45206UNC	Henry Ford Health System	
93.396	I	11,760	-	Cancer Biology Research	N/A	Panacise Bio, Inc.	
93.396	I	56,441	-	Cancer Biology Research	11000823-020	Purdue University	
93.396	I	40,665	-	Cancer Biology Research	009680-002	University of Cincinnati	
93.396	I	10,173	-	Cancer Biology Research	P006781501	University of Minnesota Board of Regents	
93.396	I	34,372	-	Cancer Biology Research	66183959/109643150	University of Southern California (USC)	
93.396	I	(185)	-	Cancer Biology Research	98104520	University of Southern California (USC)	
93.396	I	30,485	-	Cancer Biology Research	00003043/ PO 3001135	University of Texas MD Anderson Cancer C	
93.396	I	50,012	-	Cancer Biology Research	3001135426	University of Texas MD Anderson Cancer C	
93.396	I	5,679	-	Cancer Biology Research	F-2016-27	University of Toledo	
93.396	I	110,634	-	Cancer Biology Research	647K662	University of Wisconsin at Madison	
93.396	I	54,082	-	Cancer Biology Research	VUMC65676	Vanderbilt University Medical Center	
93.396	I	4,421	-	Cancer Biology Research	WFUHS 116219	Wake Forest University Health Sciences	
93.397	D	12,070,415	234,780	Cancer Centers Support Grants			
93.397	I	(689)	-	Cancer Centers Support Grants	RES512488	Case Western Reserve University	
93.397	I	39,252	-	Cancer Centers Support Grants	RES513129	Case Western Reserve University	
93.397	I	75,689	-	Cancer Centers Support Grants	IN4689857UNC/2058940	Indiana University at Indianapolis	
93.397	I	272,359	-	Cancer Centers Support Grants	IN4689880UNC	Indiana University at Indianapolis	
93.397	I	63,906	-	Cancer Centers Support Grants	MUSC15-085	Medical University of South Carolina (MU)	
93.397	I	632	-	Cancer Centers Support Grants	WU-18-76 2934358E	Washington University in St. Louis School	
93.397	I	415	-	Cancer Centers Support Grants	WU-18-80 2934422E	Washington University in St. Louis School	
93.397	I	88,261	-	Cancer Centers Support Grants	WU-19-113 / PO293431	Washington University in St. Louis School	
93.397	I	7,907	-	Cancer Centers Support Grants	WU-19-40/ PO 2933891	Washington University in St. Louis School	
93.398	D	5,322,820	105,524	Cancer Research Manpower			
93.399	I	49,488	-	Cancer Control	TFED29-117	National Surgical Adjuvant Breast and Bo	
93.421	I	2,870	-	Strengthening Public Health Systems and Services through National Partnerships to Improve and Protect the Nation's Health	N/A	New Jersey YMCA State Alliance	
93.421	I	624	-	Strengthening Public Health Systems and Services through National Partnerships to Improve and Protect the Nation's Health	N/A	The Nemours Foundation	
93.424	I	6,584	-	NON-ACA/PPHF-Building Capacity of the Public Health System to Improve Population Health through National Nonprofit Organizations	N/A	Association of University Centers on Dis	
93.424	I	13,556	-	NON-ACA/PPHF-Building Capacity of the Public Health System to Improve Population Health through National Nonprofit Organizations	1762018/ 210-1401-5	National Association of Chronic Disease	
93.424	I	24,000	-	NON-ACA/PPHF-Building Capacity of the Public Health System to Improve Population Health through National Nonprofit Organizations	2952018	National Association of Chronic Disease	
93.433	D	112,291	-	ACL National Institute on Disability, Independent Living, and Rehabilitation Research			
93.439	I	4,147	-	State Physical Activity and Nutrition (SPAN)	2019-0182	Connecticut Department of Public Health	
93.590	I	90,096	-	Community-Based Child Abuse Prevention Grants	18EHZC	State of New Jersey Department of Children	
93.600	D	20,299	-	Head Start			
93.600	I	-	-	Head Start	719100-UNC	American Academy of Pediatrics (AAP)	
93.600	I	427,616	-	Head Start	201709277N	Zero to Three	
93.600	I	485,819	-	Head Start	2018090432	Zero to Three	
93.602	I	35,797	-	Assets for Independence Demonstration Program	13-312-0214780-65076	Research Triangle Institute (RTI Interna)	
93.610	D	79,466	15,812	Health Care Innovation Awards (HCIA)			
93.610	I	18,239	-	Health Care Innovation Awards (HCIA)	N/A	Community Care of North Carolina (CCNC)	
93.632	D	567,566	-	University Centers for Excellence in Developmental Disabilities Education, Research, and Service			
93.638	I	58,469	-	ACA-Transforming Clinical Practice Initiative: Practice Transformation Networks (PTNs)	N/A	Community Care of North Carolina (CCNC)	
93.652	I	167,804	-	Adoption Opportunities	N/A	Spaulding for Children, National Research	
93.670	D	271,288	-	Child Abuse and Neglect Discretionary Activities			
93.701	D	3	-	Trans-NIH Recovery Act Research Support			
93.701	I	51,855	-	Trans-NIH Recovery Act Research Support	N/A	Brain Plasticity, Inc.	
93.732	D	613,568	-	Mental and Behavioral Health Education and Training Grants			
93.742	I	16,662	-	PPHF: Early Childcare and Education Obesity Prevention Program - Obesity Prevention in Young Children - financed solely by Public Prevention and Health Funds	N/A	Alabama Partnership for Children	

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93.742	I	18,092	-	PPHF: Early Childcare and Education Obesity Prevention Program - Obesity Prevention in Young Children - financed solely by Public Prevention and Health Funds	N/A	Early Learning Indiana	
93.742	I	18,834	-	PPHF: Early Childcare and Education Obesity Prevention Program - Obesity Prevention in Young Children - financed solely by Public Prevention and Health Funds	N/A	Illinois Network of Child Care Resource	
93.742	I	18,830	-	PPHF: Early Childcare and Education Obesity Prevention Program - Obesity Prevention in Young Children - financed solely by Public Prevention and Health Funds	N/A	Virginia Early Childhood Foundation (VEC)	
93.757	I	2,517	-	State and Local Public Health Actions to Prevent Obesity, Diabetes, Heart Disease and Stroke (PPHF)	5888CD40	Iowa Department of Public Health (IDPH)	
93.757	I	2,198	-	State and Local Public Health Actions to Prevent Obesity, Diabetes, Heart Disease and Stroke (PPHF)	709P632546	Virginia Department of Health	
93.758	I	117,146	-	Preventive Health and Health Services Block Grant funded solely with Prevention and Public Health Funds (PPHF)	2018-0005 17DPH0005	Connecticut Department of Public Health	
93.779	D	38,117	(800)	Centers for Medicare and Medicaid Services (CMS) Research, Demonstrations and Evaluations			
93.809	I	36,090	-	National Organizations for Chronic Disease Prevention and Health Promotion	1512019	National Association of Chronic Disease	
93.809	I	13,520	-	National Organizations for Chronic Disease Prevention and Health Promotion	3002018	National Association of Chronic Disease	
93.809	I	15,935	-	National Organizations for Chronic Disease Prevention and Health Promotion	3012018	National Association of Chronic Disease	
93.816	I	18,000	-	Preventing Heart Attacks and Strokes in High Need Areas	INDC-660	Mississippi Department of Health	
93.823	I	(600)	-	Ebola Support: Transmission and Prevention Control, Public Health Preparedness, Vaccine Development	2032402	Duke University	
93.837	D	22,490,435	2,680,066	Cardiovascular Diseases Research			
93.837	I	27,358	-	Cardiovascular Diseases Research	31105A/ PO648559	Albert Einstein College of Medicine Inc	
93.837	I	26,391	-	Cardiovascular Diseases Research	N/A	Albert Einstein College of Medicine Inc	
93.837	I	23,595	-	Cardiovascular Diseases Research	4500002806	Boston University Board of Trustees	
93.837	I	727	-	Cardiovascular Diseases Research	109135	Brigham and Women's Hospital	
93.837	I	9,864	-	Cardiovascular Diseases Research	114117	Brigham and Women's Hospital	
93.837	I	2,479	-	Cardiovascular Diseases Research	N/A	Brigham and Women's Hospital	
93.837	I	27,837	-	Cardiovascular Diseases Research	00000728	Brown University	
93.837	I	456	-	Cardiovascular Diseases Research	5001191-ROSAMOND	Brown University	
93.837	I	54,204	-	Cardiovascular Diseases Research	2034138	Duke University	
93.837	I	18,809	-	Cardiovascular Diseases Research	2036763	Duke University	
93.837	I	135,932	-	Cardiovascular Diseases Research	2037478	Duke University	
93.837	I	11,194	-	Cardiovascular Diseases Research	A03-0237	Duke University	
93.837	I	27,606	-	Cardiovascular Diseases Research	A030619	Duke University	
93.837	I	3,278	-	Cardiovascular Diseases Research	N/A	Duke University	
93.837	I	15,765	-	Cardiovascular Diseases Research	302-0442	Duke University Medical Center	
93.837	I	107	-	Cardiovascular Diseases Research	A059837/T848176	Emory University (EU)	
93.837	I	1,360	-	Cardiovascular Diseases Research	N/A	HealthCore, Inc.	
93.837	I	13,143	-	Cardiovascular Diseases Research	2003634963	Johns Hopkins University	
93.837	I	31,957	-	Cardiovascular Diseases Research	5001381-ROSAMOND	Kent Hospital	
93.837	I	55,107	-	Cardiovascular Diseases Research	225708	Massachusetts General Hospital	
93.837	I	10,434	-	Cardiovascular Diseases Research	710-7147089	Miriam Hospital	
93.837	I	163,431	(125)	Cardiovascular Diseases Research	710-9144	Miriam Hospital	
93.837	I	18	-	Cardiovascular Diseases Research	N/A	Miriam Hospital	
93.837	I	142,315	(1,000)	Cardiovascular Diseases Research	000503570-008	University of Alabama at Birmingham	
93.837	I	71,871	(2,525)	Cardiovascular Diseases Research	000511972-001	University of Alabama at Birmingham	
93.837	I	256,094	17,650	Cardiovascular Diseases Research	000511972.001	University of Alabama at Birmingham	
93.837	I	26,230	-	Cardiovascular Diseases Research	FY17.878.001/	University of Colorado Denver	
93.837	I	10,896	-	Cardiovascular Diseases Research	S00200-01	University of Iowa	
93.837	I	26,827	-	Cardiovascular Diseases Research	N004944403	University of Minnesota	
93.837	I	22,046	-	Cardiovascular Diseases Research	P005875703	University of Minnesota	
93.837	I	34,458	-	Cardiovascular Diseases Research	N006522501	University of Minnesota Board of Regents	
93.837	I	104,850	8,847	Cardiovascular Diseases Research	0041597 (130470-1)	University of Pittsburgh	
93.837	I	(10)	-	Cardiovascular Diseases Research	45240550	University of Southern California (USC)	
93.837	I	(526)	-	Cardiovascular Diseases Research	UWSC10266	University of Washington	
93.837	I	81,290	-	Cardiovascular Diseases Research	431965-19467	Virginia Tech	
93.837	I	95,792	-	Cardiovascular Diseases Research	WUFUHS 115749	Wake Forest University Health Sciences	
93.837	I	(1)	-	Cardiovascular Diseases Research	WU-14-241	Washington University in Saint Louis	
93.837	I	18,773	-	Cardiovascular Diseases Research	WU-17-320/PO2928659C	Washington University in Saint Louis	
93.838	D	12,582,791	1,724,595	Lung Diseases Research			
93.838	I	(7,013)	-	Lung Diseases Research	RES511740	Case Western Reserve University	
93.838	I	11,582	-	Lung Diseases Research	RES512136	Case Western Reserve University	
93.838	I	3,389	-	Lung Diseases Research	2831743-240026	Duke University	

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93.838	I	1,003	-	Lung Diseases Research	2032351	Duke University Medical Center	
93.838	I	49,979	-	Lung Diseases Research	N/A	Eldec Pharmaceuticals, Inc	
93.838	I	17,961	-	Lung Diseases Research	2-AF-27	George Washington University	
93.838	I	24	-	Lung Diseases Research	3210515144	Hospital for Sick Children (SickKids)	
93.838	I	243	-	Lung Diseases Research	2002772677	Johns Hopkins University	
93.838	I	121,796	-	Lung Diseases Research	720505	Proteogenomics Research Institute for Sy	
93.838	I	10,469	-	Lung Diseases Research	11012SUB	Seattle Children's Hospital Research Inst	
93.838	I	-	-	Lung Diseases Research	11279SUB	Seattle Children's Hospital Research Inst	
93.838	I	29,385	-	Lung Diseases Research	11663SUB	Seattle Children's Hospital Research Inst	
93.838	I	60,811	-	Lung Diseases Research	000503442-004	University of Alabama	
93.838	I	115,465	-	Lung Diseases Research	463942	University of Arizona	
93.838	I	14,656	-	Lung Diseases Research	464151	University of Arizona	
93.838	I	16,429	-	Lung Diseases Research	108792850	University of California at San Diego (U	
93.838	I	1,329,422	-	Lung Diseases Research	10454	University of California at San Francisco	
93.838	I	15,692	-	Lung Diseases Research	10454sc	University of California at San Francisco	
93.838	I	232,334	-	Lung Diseases Research	10820SC	University of California at San Francisco	
93.838	I	42,204	-	Lung Diseases Research	N/A	University of California at San Francisco	
93.838	I	14,505	-	Lung Diseases Research	N/A	University of California at San Francisco	
93.838	I	5,322	-	Lung Diseases Research	S00137-01	University of Iowa	
93.838	I	46,399	-	Lung Diseases Research	ZAS000D0	University of Kansas Medical Center	
93.838	I	(1,087)	-	Lung Diseases Research	0059236 (130132-2)	University of Pittsburgh	
93.838	I	1,069	-	Lung Diseases Research	63244	Vanderbilt University Medical Center	
93.838	I	65,038	-	Lung Diseases Research	WFUHS 115449	Wake Forest University Health Sciences	
93.839	D	6,795,071	646,880	Blood Diseases and Resources Research			
93.839	I	4,197	-	Blood Diseases and Resources Research	0155-81148	BloodCenter of Wisconsin	
93.839	I	1,408	-	Blood Diseases and Resources Research	824-UNC-2017	Bloodworks Northwest	
93.839	I	144,738	-	Blood Diseases and Resources Research	824-UNC-2018	Bloodworks Northwest	
93.839	I	944	-	Blood Diseases and Resources Research	GENFD0001386039	Children's Hospital Boston	
93.839	I	50,263	-	Blood Diseases and Resources Research	GENFD0001586967	Children's Hospital Boston	
93.839	I	118,322	-	Blood Diseases and Resources Research	304035	Cincinnati Children's Hospital Medical Ce	
93.839	I	7,795	-	Blood Diseases and Resources Research	2831742-240027	Duke University	
93.839	I	21,087	-	Blood Diseases and Resources Research	2034835	Duke University Medical Center	
93.839	I	15,110	-	Blood Diseases and Resources Research	RG850-G1	Georgia Institute of Technology	
93.839	I	3,667	-	Blood Diseases and Resources Research	15-13-121/R01HL11855	Louisiana State University (LSU)	
93.839	I	8,913	-	Blood Diseases and Resources Research	PO 6013872	Medical College of Wisconsin	
93.839	I	4,358	-	Blood Diseases and Resources Research	PO#6078346	Medical College of Wisconsin	
93.839	I	8,761	-	Blood Diseases and Resources Research	07416-3	Minneapolis Medical Research Foundation	
93.839	I	127,012	-	Blood Diseases and Resources Research	15024	Minneapolis Medical Research Foundation	
93.839	I	12,894	-	Blood Diseases and Resources Research	60066854	Ohio State University	
93.839	I	418	-	Blood Diseases and Resources Research	N/A	Ohio State University	
93.839	I	1,554	-	Blood Diseases and Resources Research	RF01499049/60061713	Ohio State University	
93.839	I	12,669	-	Blood Diseases and Resources Research	N/A	Redbud Labs	
93.839	I	54	-	Blood Diseases and Resources Research	N/A	Rutgers the State University of New Jersey	
93.839	I	57,750	-	Blood Diseases and Resources Research	SS0482	Rutgers the State University of New Jersey	
93.839	I	61,868	-	Blood Diseases and Resources Research	11575SUB	Seattle Children's Hospital Research Inst	
93.839	I	10,331	-	Blood Diseases and Resources Research	571866	Trustees of the Univ. of Pennsylvania	
93.839	I	171,670	-	Blood Diseases and Resources Research	574541/PO#4140938	Trustees of the Univ. of Pennsylvania	
93.839	I	122,674	-	Blood Diseases and Resources Research	FY18.878.005	University of Colorado Denver	
93.839	I	90,551	-	Blood Diseases and Resources Research	24-6230-0191-003	University of Nebraska at Lincoln	
93.839	I	15,423	-	Blood Diseases and Resources Research	0054669 (131801-7)	University of Pittsburgh	
93.839	I	227,590	-	Blood Diseases and Resources Research	417288G/UR FAO GR510	University of Rochester Medical Center	
93.839	I	38,244	-	Blood Diseases and Resources Research	0014251B	University of Texas at Houston Health	
93.839	I	51,050	-	Blood Diseases and Resources Research	UWSC8675 (BPO9467)	University of Washington	
93.839	I	252,388	-	Blood Diseases and Resources Research	UWSC8675/ BPO 9467	University of Washington	
93.839	I	6,467	-	Blood Diseases and Resources Research	WU-15-268	Washington University in Saint Louis	
93.839	I	4,401	-	Blood Diseases and Resources Research	WU-18-162	Washington University in Saint Louis	
93.839	I	14,954	-	Blood Diseases and Resources Research	WU-18-162-MOD-1 /PO2	Washington University in Saint Louis	
93.840	I	5,477	-	Translation and Implementation Science Research for Heart, Lung, Blood Diseases, and Sleep Disorders	N/A	University of Malawi College of Medicine	
93.846	D	5,286,110	605,660	Arthritis, Musculoskeletal and Skin Diseases Research			
93.846	I	2,085	-	Arthritis, Musculoskeletal and Skin Diseases Research	PS#113296	Brigham and Women's Hospital	
93.846	I	37,533	-	Arthritis, Musculoskeletal and Skin Diseases Research	3210940919-XX	Children's Hospital of Philadelphia	

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93.846	I	1,249	-	Arthritis, Musculoskeletal and Skin Diseases Research	203-5348	Duke University	
93.846	I	16,579	-	Arthritis, Musculoskeletal and Skin Diseases Research	203-7646	Duke University	
93.846	I	131,537	-	Arthritis, Musculoskeletal and Skin Diseases Research	203-7919	Duke University	
93.846	I	60,869	-	Arthritis, Musculoskeletal and Skin Diseases Research	2037090	Duke University	
93.846	I	41,634	-	Arthritis, Musculoskeletal and Skin Diseases Research	2832078	Duke University	
93.846	I	63,953	-	Arthritis, Musculoskeletal and Skin Diseases Research	A030250	Duke University	
93.846	I	32,444	-	Arthritis, Musculoskeletal and Skin Diseases Research	A030251	Duke University	
93.846	I	15,632	-	Arthritis, Musculoskeletal and Skin Diseases Research	A030254	Duke University	
93.846	I	(3)	-	Arthritis, Musculoskeletal and Skin Diseases Research	12-01091/101776	New York University (NYU)	
93.846	I	16,865	-	Arthritis, Musculoskeletal and Skin Diseases Research	1137965-2-77417	SUNY at Stony Brook	
93.846	I	5,774	-	Arthritis, Musculoskeletal and Skin Diseases Research	8977sc	University of California at San Francisco	
93.846	I	2,394	-	Arthritis, Musculoskeletal and Skin Diseases Research	14-010	Wake Forest University	
93.846	I	726,837	(425)	Arthritis, Musculoskeletal and Skin Diseases Research	16-004	Wake Forest University	
93.846	I	18,472	-	Arthritis, Musculoskeletal and Skin Diseases Research	102600-551250	Wake Forest University Health Sciences	
93.846	I	1,620	-	Arthritis, Musculoskeletal and Skin Diseases Research	11-181-UNC-CH	West Virginia University Research Corpor	
93.847	D	25,664,844	4,053,861	Diabetes, Digestive, and Kidney Diseases Extramural Research			
93.847	I	63,779	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	1R43DK117763-01A1	Altis Biosystems, Inc. (formerly Altis B	
93.847	I	11,247	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	5216284-5500001208	Broad Institute	
93.847	I	1	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	330182/960972RSUB	Children's Hospital of Philadelphia	
93.847	I	30,661	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	3301820719 / 2001722	Children's Hospital of Philadelphia	
93.847	I	4,957	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	962639-RSUB 33018207	Children's Hospital of Philadelphia	
93.847	I	126,218	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	N/A	Clinical Sensors, Inc.	
93.847	I	1	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	2034021	Duke University	
93.847	I	16,043	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	2035593	Duke University	
93.847	I	49,573	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	2037258	Duke University	
93.847	I	44,917	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	A030343	Duke University	
93.847	I	10,535	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	S-GRD1718-MD31	George Washington University	
93.847	I	116,816	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	S-GRD1819-LU31	George Washington University	
93.847	I	3,464	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	2002879987	Johns Hopkins Bloomberg School of Public	
93.847	I	1	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	221566	Massachusetts General Hospital	
93.847	I	1,314	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	700094-0818-00	Nationwide Children's Hospital	
93.847	I	38,682	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	700094-0819-00	Nationwide Children's Hospital	
93.847	I	246,475	4,774	Diabetes, Digestive, and Kidney Diseases Extramural Research	FAR0027327	North Dakota State University	
93.847	I	8,755	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	60040977 UNC	Northwestern University	
93.847	I	(280)	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	1R43DK093119-01	Novan, Inc.	
93.847	I	55,739	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	60059166-UNCCH	Ohio State University	
93.847	I	6,479	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	RPS 2	PELVIC FLOORS DISORDERSRESEARCH	
93.847	I	2,678	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	DK072476-15225-UNC-0	Pennington Biomedical Research Center	
93.847	I	2	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	UNCCK095078	Pennsylvania State University	
93.847	I	373	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	4/PO#1002690	Rutgers the State University of New Jersey	
93.847	I	6,936	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	5-53384	Scripps Research Institute	
93.847	I	64,251	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	PA-17-302	Sonovot, LLC	
93.847	I	16,803	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	0125 G WC382	University of California at Los Angeles	
93.847	I	14,597	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	64744923	University of California at San Diego (U	
93.847	I	(3)	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	7916SC	University of California at San Francisco	
93.847	I	27,788	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	FP068366-01F	University of Chicago	
93.847	I	1,929	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	3003328374	University of Michigan (UMICH)	
93.847	I	94,723	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	3003601669	University of Michigan (UMICH)	
93.847	I	66,318	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	3004212973	University of Michigan (UMICH)	
93.847	I	7,578	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	PO#3003642651	University of Michigan (UMICH)	
93.847	I	40,709	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	SUBK00001807/ 300519	University of Michigan (UMICH)	
93.847	I	177	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	SUBK00009254	University of Michigan (UMICH)	
93.847	I	41,435	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	3004941494	University of Michigan Board of Regents	
93.847	I	163,782	(10,500)	Diabetes, Digestive, and Kidney Diseases Extramural Research	N006851801	University of Minnesota	
93.847	I	17,571	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	417495G / UR FAO GR5	University of Rochester	
93.847	I	28,156	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	18-3659/PO#200003955	University of South Carolina (USC)	
93.847	I	18,009	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	N/A	University of South Florida Tampa	
93.847	I	33,889	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	0013642C	University of Texas at Houston Health	
93.847	I	60,639	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	0013771B	University of Texas at Houston Health	
93.847	I	11,907	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	10046979-01	University of Utah	
93.847	I	354,400	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	VUMC 62324	Vanderbilt University Medical Center	
93.847	I	55,471	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	FP00005212-SA001	Virginia Commonwealth University (VCU)	

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93.847	I	241,927	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	FP00007299-SA001	Virginia Commonwealth University (VCU)	
93.847	I	29,242	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	PD303771-SC107091	Virginia Commonwealth University (VCU)	
93.847	I	470,016	176,705	Diabetes, Digestive, and Kidney Diseases Extramural Research	WFUHS 114580	Wake Forest University Health Sciences	
93.847	I	38,154	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	WFUHS113519	Wake Forest University School of Medicine	
93.847	I	(65)	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	PO#2922664Y/WU-15-10	Washington University in Saint Louis	
93.847	I	3	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	WU-11-230/2911696P	Washington University in Saint Louis	
93.847	I	61,429	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	WU-18-312	Washington University in Saint Louis	
93.849	I	4	-	Kidney Diseases, Urology and Hematology Research	3207860212/PO951193	Children's Hospital of Philadelphia	
93.853	D	7,195,878	535,671	Extramural Research Programs in the Neurosciences and Neurological Disorders			
93.853	I	283	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	1171-SUB	Cleveland Clinic Foundation	
93.853	I	14,065	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	937-SUB	Cleveland Clinic Foundation	
93.853	I	11,045	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	N/A	Collaborations Pharmaceuticals, Inc.	
93.853	I	91,280	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	1(GG10847-01)	Columbia University	
93.853	I	11,124	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	N/A	Dignity Therapeutics	
93.853	I	62,563	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	A03-0101	Duke University	
93.853	I	64,127	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	A030444	Duke University	
93.853	I	4,188	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	2003631110	Johns Hopkins University	
93.853	I	14,502	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	2003991965	Johns Hopkins University	
93.853	I	2,400	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	2004213280	Johns Hopkins University	
93.853	I	110,672	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	K002789-00-S02	Kitware, Inc.	
93.853	I	1,890	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	5-27078	Scripps Research Institute	
93.853	I	19,404	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	5-27219	Scripps Research Institute	
93.853	I	23,778	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	SNNC4118	Soterix Medical Inc	
93.853	I	(1,235)	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	2014-0569/ AIP043537	The Allen Institute for Brain Science	
93.853	I	152,951	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	2017-0569	The Allen Institute for Brain Science	
93.853	I	(1,233)	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	569365	Trustees of the Univ. of Pennsylvania	
93.853	I	11,806	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	2301 G WE216	University of California at Los Angeles	
93.853	I	9,044	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	8468sc	University of California at San Francisco	
93.853	I	41,841	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	8564SC	University of California at San Francisco	
93.853	I	320,808	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	9091SC	University of California at San Francisco	
93.853	I	89,576	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	N/A	University of California at Santa Barbara	
93.853	I	26,075	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	48575	University of Delaware	
93.853	I	94,083	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	FY2016-006	University of Kansas Center for Research	
93.853	I	8,086	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	0061260 (130795-1)	University of Pittsburgh	
93.853	I	623	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	417423	University of Rochester	
93.853	I	100,396	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	GMO 191002 PO#000000	University of Texas Southwestern Medical	
93.853	I	45,623	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	GMO 191005 PO 000000	University of Texas Southwestern Medical	
93.853	I	43,007	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	STTR 1R41NS108895	Xona Microfluidics, LLC	
93.855	D	64,671,085	13,050,839	Allergy and Infectious Diseases Research			
93.855	I	327	-	Allergy and Infectious Diseases Research	310429 PO 633350	Albert Einstein College of Medicine Inc	
93.855	I	46,588	-	Allergy and Infectious Diseases Research	FY15ITN012	Benaroya Research Institute	
93.855	I	461	-	Allergy and Infectious Diseases Research	FY17ITN156	Benaroya Research Institute	
93.855	I	124,457	-	Allergy and Infectious Diseases Research	FY18ITN008	Benaroya Research Institute	
93.855	I	454	-	Allergy and Infectious Diseases Research	FY18ITN012	Benaroya Research Institute	
93.855	I	66,667	-	Allergy and Infectious Diseases Research	ITN050AD	Benaroya Research Institute	
93.855	I	(1)	-	Allergy and Infectious Diseases Research	108488	Brigham and Women's Hospital	
93.855	I	5	-	Allergy and Infectious Diseases Research	110006	Brigham and Women's Hospital	
93.855	I	9,750	-	Allergy and Infectious Diseases Research	110007	Brigham and Women's Hospital	
93.855	I	119,675	-	Allergy and Infectious Diseases Research	110008	Brigham and Women's Hospital	
93.855	I	135,716	-	Allergy and Infectious Diseases Research	110014	Brigham and Women's Hospital	
93.855	I	153,129	(70)	Allergy and Infectious Diseases Research	110200	Brigham and Women's Hospital	
93.855	I	314,015	272	Allergy and Infectious Diseases Research	110209	Brigham and Women's Hospital	
93.855	I	1,734	-	Allergy and Infectious Diseases Research	110233	Brigham and Women's Hospital	
93.855	I	17,877	-	Allergy and Infectious Diseases Research	110236	Brigham and Women's Hospital	
93.855	I	332,147	(78,000)	Allergy and Infectious Diseases Research	111666	Brigham and Women's Hospital	
93.855	I	169,857	-	Allergy and Infectious Diseases Research	111672	Brigham and Women's Hospital	
93.855	I	(36,021)	-	Allergy and Infectious Diseases Research	N/A	Brigham and Women's Hospital	
93.855	I	117,961	-	Allergy and Infectious Diseases Research	00001340	Brown University	
93.855	I	124,242	39,573	Allergy and Infectious Diseases Research	00001398	Brown University	
93.855	I	231,689	-	Allergy and Infectious Diseases Research	N/A	Cell Microsystems, Inc.	
93.855	I	3,436	-	Allergy and Infectious Diseases Research	135408-CT1-OMEGA	Cincinnati Children's Hospital Medical Ce	
93.855	I	20,184	-	Allergy and Infectious Diseases Research	135408-CT1-OMEGA/ 31	Cincinnati Children's Hospital Medical Ce	

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93.855		6,064	-	Allergy and Infectious Diseases Research	135409 CT2-DIET STUD	Cincinnati Children's Hospital Medical Ce	
93.855		16,619	-	Allergy and Infectious Diseases Research	135409-CT2 31006062	Cincinnati Children's Hospital Medical Ce	
93.855		169,659	-	Allergy and Infectious Diseases Research	2R42A112064-03	Clinical Sensors, Inc.	
93.855		(5,361)	-	Allergy and Infectious Diseases Research	5(GG008377-29)	Columbia University	
93.855		497,171	-	Allergy and Infectious Diseases Research	5(GG008377-39)	Columbia University	
93.855		4,176	-	Allergy and Infectious Diseases Research	N/A	Columbia University	
93.855		36,504	-	Allergy and Infectious Diseases Research	180185	Cornell University Medical Campus	
93.855		614,362	-	Allergy and Infectious Diseases Research	183629	Cornell University Medical Campus	
93.855		93,156	-	Allergy and Infectious Diseases Research	000503356-SP002-025	Creative and Novel Ideas in HIV Research	
93.855		7,296	-	Allergy and Infectious Diseases Research	1651R18	Dartmouth College	
93.855		48,389	-	Allergy and Infectious Diseases Research	203-7732	Duke University	
93.855		84,691	-	Allergy and Infectious Diseases Research	203-7757	Duke University	
93.855		14,439	-	Allergy and Infectious Diseases Research	2032190	Duke University	
93.855		231,158	-	Allergy and Infectious Diseases Research	2032192	Duke University	
93.855		445,001	-	Allergy and Infectious Diseases Research	2034857	Duke University	
93.855		40,025	-	Allergy and Infectious Diseases Research	2037381	Duke University	
93.855		(2,844)	-	Allergy and Infectious Diseases Research	2038658	Duke University	
93.855		6,365	-	Allergy and Infectious Diseases Research	235058	Duke University	
93.855		4,675	-	Allergy and Infectious Diseases Research	3021001	Duke University	
93.855		37,111	-	Allergy and Infectious Diseases Research	3021016	Duke University	
93.855		6,562	-	Allergy and Infectious Diseases Research	3021054	Duke University	
93.855		53,776	-	Allergy and Infectious Diseases Research	3021176	Duke University	
93.855		105,959	-	Allergy and Infectious Diseases Research	3021209	Duke University	
93.855		55,089	-	Allergy and Infectious Diseases Research	3021233	Duke University	
93.855		149,961	-	Allergy and Infectious Diseases Research	A030938	Duke University	
93.855		3,941	-	Allergy and Infectious Diseases Research	A031162	Duke University	
93.855		39,761	-	Allergy and Infectious Diseases Research	A031164	Duke University	
93.855		11,172	-	Allergy and Infectious Diseases Research	A031451	Duke University	
93.855		33,858	-	Allergy and Infectious Diseases Research	A039061	Duke University	
93.855		94,019	-	Allergy and Infectious Diseases Research	A039076	Duke University	
93.855		(1,851)	-	Allergy and Infectious Diseases Research	N/A	Duke University	
93.855		205,599	-	Allergy and Infectious Diseases Research	2036404	Duke University Medical Center	
93.855		335,421	-	Allergy and Infectious Diseases Research	A30235	Duke University Medical Center	
93.855		16,233	-	Allergy and Infectious Diseases Research	A134495	Emory University (EU)	
93.855		(7,143)	-	Allergy and Infectious Diseases Research	T817182 (T652736)	Emory University (EU)	
93.855		32,050	-	Allergy and Infectious Diseases Research	T886595	Emory University (EU)	
93.855		108,257	-	Allergy and Infectious Diseases Research	T983400	Emory University (EU)	
93.855		47,320	250	Allergy and Infectious Diseases Research	N/A	EpiCypher, Inc.	
93.855		71,486	80	Allergy and Infectious Diseases Research	N/A	EpiCypher, Inc.	
93.855		114,184	-	Allergy and Infectious Diseases Research	N/A	EpiCypher, Inc.	
93.855		25,726	-	Allergy and Infectious Diseases Research	PO17000385	FHI 360	
93.855		17,994	-	Allergy and Infectious Diseases Research	0080.0144/955	Family Health International	
93.855		(66)	-	Allergy and Infectious Diseases Research	0080.0213/779	Family Health International	
93.855		158,580	(92,590)	Allergy and Infectious Diseases Research	0080.0247/104122	Family Health International	
93.855		(186)	-	Allergy and Infectious Diseases Research	15001683	Family Health International	
93.855		257,201	-	Allergy and Infectious Diseases Research	861/0080.0016	Family Health International	
93.855		291,120	-	Allergy and Infectious Diseases Research	861/0080.0016/PO#US0	Family Health International	
93.855		23,063	-	Allergy and Infectious Diseases Research	955/0080.0144/PO#GOO	Family Health International	
93.855		43,301	-	Allergy and Infectious Diseases Research	956/0080.0145/ GO 00	Family Health International	
93.855		6,322	-	Allergy and Infectious Diseases Research	972/0080.0174	Family Health International	
93.855		110,684	-	Allergy and Infectious Diseases Research	N/A	Family Health International	
93.855		67,205	10,000	Allergy and Infectious Diseases Research	N/A	Family Health International	
93.855		176,723	-	Allergy and Infectious Diseases Research	PO 15004410	Family Health International	
93.855		114,799	(91,704)	Allergy and Infectious Diseases Research	PO 15004411	Family Health International	
93.855		(4,854)	-	Allergy and Infectious Diseases Research	PO 16002863	Family Health International	
93.855		22,221	-	Allergy and Infectious Diseases Research	PO 17004265	Family Health International	
93.855		113,899	-	Allergy and Infectious Diseases Research	PO 18001617	Family Health International	
93.855		7,833	-	Allergy and Infectious Diseases Research	PO 19000835	Family Health International	
93.855		781,505	168	Allergy and Infectious Diseases Research	PO17001853	Family Health International	
93.855		599,693	599,693	Allergy and Infectious Diseases Research	PO17001868	Family Health International	
93.855		1,069,762	78,666	Allergy and Infectious Diseases Research	PO17002292	Family Health International	
93.855		43,972	(7,875)	Allergy and Infectious Diseases Research	PO17003035	Family Health International	

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93.855		16,433	-	Allergy and Infectious Diseases Research	PO18002626	Family Health International	
93.855		9,516	-	Allergy and Infectious Diseases Research	PO19000050	Family Health International	
93.855		35,448	-	Allergy and Infectious Diseases Research	PO19000834	Family Health International	
93.855		67,143	-	Allergy and Infectious Diseases Research	0000925916	Fred Hutchinson Cancer Research Center	
93.855		37,806	-	Allergy and Infectious Diseases Research	0000936571	Fred Hutchinson Cancer Research Center	
93.855		217,921	-	Allergy and Infectious Diseases Research	0000951637	Fred Hutchinson Cancer Research Center	
93.855		4,960	-	Allergy and Infectious Diseases Research	212022-S4473	Fred Hutchinson Cancer Research Center	
93.855		3,659	-	Allergy and Infectious Diseases Research	212022-S4475	Fred Hutchinson Cancer Research Center	
93.855		650	-	Allergy and Infectious Diseases Research	212022-S4906	Fred Hutchinson Cancer Research Center	
93.855		105	-	Allergy and Infectious Diseases Research	212022-S4913	Fred Hutchinson Cancer Research Center	
93.855		(14,430)	-	Allergy and Infectious Diseases Research	212022-S4916	Fred Hutchinson Cancer Research Center	
93.855		17,740	-	Allergy and Infectious Diseases Research	N/A	Fred Hutchinson Cancer Research Center	
93.855		10,102	-	Allergy and Infectious Diseases Research	N/A	Fred Hutchinson Cancer Research Center	
93.855		33,620	-	Allergy and Infectious Diseases Research	2501 / 824643	Henry M Jackson Foundation	
93.855		259,746	-	Allergy and Infectious Diseases Research	2501 / PO # 824643	Henry M Jackson Foundation	
93.855		20,598	-	Allergy and Infectious Diseases Research	2502 / PO 824894	Henry M Jackson Foundation	
93.855		49,520	-	Allergy and Infectious Diseases Research	4681 / PO#954750/6	Henry M Jackson Foundation	
93.855		180,038	-	Allergy and Infectious Diseases Research	PO 824894 / 2502 64	Henry M Jackson Foundation	
93.855		101,090	-	Allergy and Infectious Diseases Research	N/A	IMMvention Therapeutix, Inc	
93.855		(1,743)	-	Allergy and Infectious Diseases Research	2002179502	Johns Hopkins University	
93.855		(91)	-	Allergy and Infectious Diseases Research	2002250574	Johns Hopkins University	
93.855		123,942	738	Allergy and Infectious Diseases Research	2002815334	Johns Hopkins University	
93.855		2,354	-	Allergy and Infectious Diseases Research	2002967331	Johns Hopkins University	
93.855		49,966	-	Allergy and Infectious Diseases Research	2003037086	Johns Hopkins University	
93.855		118,312	-	Allergy and Infectious Diseases Research	2003383922 200338391	Johns Hopkins University	
93.855		166,700	-	Allergy and Infectious Diseases Research	2003478036	Johns Hopkins University	
93.855		35,325	-	Allergy and Infectious Diseases Research	2003993693	Johns Hopkins University	
93.855		4,212	-	Allergy and Infectious Diseases Research	LDR 12/PO#2004112736	Johns Hopkins University	
93.855		3	-	Allergy and Infectious Diseases Research	LDR-10	Johns Hopkins University	
93.855		29,185	-	Allergy and Infectious Diseases Research	LDR-10 PO 2002688423	Johns Hopkins University	
93.855		107,989	-	Allergy and Infectious Diseases Research	N/A	Johns Hopkins University	
93.855		28,371	(106,492)	Allergy and Infectious Diseases Research	PO# 2002815334	Johns Hopkins University	
93.855		(260,000)	-	Allergy and Infectious Diseases Research	PO#2001935242	Johns Hopkins University	
93.855		282,834	(8,789)	Allergy and Infectious Diseases Research	9532	Magee-Women's Research Institute & Founda	
93.855		28,363	9,000	Allergy and Infectious Diseases Research	9599	Magee-Women's Research Institute & Founda	
93.855		64,116	-	Allergy and Infectious Diseases Research	231656	Massachusetts General Hospital	
93.855		67,363	-	Allergy and Infectious Diseases Research	1R21A1130542-01A1	Medical College of Wisconsin	
93.855		7,479	-	Allergy and Infectious Diseases Research	1R21A1130542-02	Medical College of Wisconsin	
93.855		240,078	-	Allergy and Infectious Diseases Research	R01A1111965	Monash University	
93.855		180,553	-	Allergy and Infectious Diseases Research	0255-A651-4609	Mount Sinai School of Medicine	
93.855		30,514	-	Allergy and Infectious Diseases Research	N/A	Mucommune, LLC	
93.855		11,382	-	Allergy and Infectious Diseases Research	60040631 UNC	Northwestern University	
93.855		31,642	-	Allergy and Infectious Diseases Research	17-292	Profectus Biosciences, Inc.	
93.855		26,883	-	Allergy and Infectious Diseases Research	5R01A1131688-03	Rockefeller University	
93.855		56,682	-	Allergy and Infectious Diseases Research	5R01A1131688-02	Rockefeller University	
93.855		22,875	-	Allergy and Infectious Diseases Research	8316	Rutgers the State University of New Jersey	
93.855		9,953	-	Allergy and Infectious Diseases Research	R988507	SUNY at Buffalo	
93.855		414,819	-	Allergy and Infectious Diseases Research	000502793-005	University of Alabama at Birmingham	
93.855		167,622	-	Allergy and Infectious Diseases Research	000502793-008	University of Alabama at Birmingham	
93.855		52,824	-	Allergy and Infectious Diseases Research	0005100836-008	University of Alabama at Birmingham	
93.855		97,450	-	Allergy and Infectious Diseases Research	000520254-002	University of Alabama at Birmingham	
93.855		74,369	-	Allergy and Infectious Diseases Research	N/A	University of Alabama at Birmingham	
93.855		261,776	-	Allergy and Infectious Diseases Research	N/A	University of Alabama at Birmingham	
93.855		134,610	-	Allergy and Infectious Diseases Research	492004	University of Arizona	
93.855		11,446	-	Allergy and Infectious Diseases Research	9302SC	University of California Regents	
93.855		263,731	-	Allergy and Infectious Diseases Research	00008956	University of California at Berkeley (Ca	
93.855		21,292	-	Allergy and Infectious Diseases Research	00008956/ POBB006442	University of California at Berkeley (Ca	
93.855		67,358	9,647	Allergy and Infectious Diseases Research	1560 B WA858	University of California at Los Angeles	
93.855		44,636	345	Allergy and Infectious Diseases Research	1560 B WA900	University of California at Los Angeles	
93.855		144,192	-	Allergy and Infectious Diseases Research	1560 G WA853	University of California at Los Angeles	
93.855		1,709	-	Allergy and Infectious Diseases Research	1560 G WA863	University of California at Los Angeles	
93.855		34,988	-	Allergy and Infectious Diseases Research	1560 G WA931	University of California at Los Angeles	

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93.855	I	10,501	-	Allergy and Infectious Diseases Research	1560 G WB039	University of California at Los Angeles	
93.855	I	8,703	-	Allergy and Infectious Diseases Research	94075853	University of California at San Diego (U	
93.855	I	7,430	-	Allergy and Infectious Diseases Research	10351SC	University of California at San Francisco	
93.855	I	1,922	-	Allergy and Infectious Diseases Research	10381SC	University of California at San Francisco	
93.855	I	1,905	-	Allergy and Infectious Diseases Research	N/A	University of California at San Francisco	
93.855	I	90,374	-	Allergy and Infectious Diseases Research	eRa 1354	University of Cape Town	
93.855	I	39,682	-	Allergy and Infectious Diseases Research	OSP2018069/ WA006836	University of Massachusetts	
93.855	I	363,962	-	Allergy and Infectious Diseases Research	OSP2018037	University of Massachusetts Medical School	
93.855	I	10,462	-	Allergy and Infectious Diseases Research	SPC-000937	University of Miami	
93.855	I	43,161	-	Allergy and Infectious Diseases Research	3004163909	University of Michigan (UMICH)	
93.855	I	117,515	-	Allergy and Infectious Diseases Research	N005402801	University of Minnesota	
93.855	I	116,816	-	Allergy and Infectious Diseases Research	203504UNC	University of Notre Dame	
93.855	I	69,819	-	Allergy and Infectious Diseases Research	0047867 (126557-1)	University of Pittsburgh	
93.855	I	14,947	-	Allergy and Infectious Diseases Research	CNVA00060724(131270)	University of Pittsburgh	
93.855	I	107,603	-	Allergy and Infectious Diseases Research	17-3287/PO2000030946	University of South Carolina (USC)	
93.855	I	118,934	-	Allergy and Infectious Diseases Research	UTA18-000140	University of Texas at Austin	
93.855	I	16,471	-	Allergy and Infectious Diseases Research	UWSC11041 / BPO38223	University of Washington	
93.855	I	119,174	-	Allergy and Infectious Diseases Research	UWSC7489	University of Washington	
93.855	I	26,684	-	Allergy and Infectious Diseases Research	755K241	University of Wisconsin at Madison	
93.855	I	386,730	-	Allergy and Infectious Diseases Research	VUMC 41666	Vanderbilt University Medical Center	
93.855	I	19,208	-	Allergy and Infectious Diseases Research	VUMC 70553	Vanderbilt University Medical Center	
93.855	I	20,884	-	Allergy and Infectious Diseases Research	WFUHS 553763	Wake Forest University Health Sciences	
93.856	D	254,192	83,727	Microbiology and Infectious Diseases Research			
93.856	I	222,083	-	Microbiology and Infectious Diseases Research	1203002	Dana Farber Cancer Institute	
93.859	D	43,397,441	2,397,385	Biomedical Research and Research Training			
93.859	I	36,732	-	Biomedical Research and Research Training	18-0634	250Glycan Therapeutics, Inc.	
93.859	I	63,457	-	Biomedical Research and Research Training	N/A	250Glycan Therapeutics, Inc.	
93.859	I	186,104	-	Biomedical Research and Research Training	N/A	250Glycan Therapeutics, Inc.	
93.859	I	18,061	-	Biomedical Research and Research Training	N/A	AI Tracking Solutions, Inc.	
93.859	I	2,371	-	Biomedical Research and Research Training	N/A	AI Tracking Solutions, Inc.	
93.859	I	93,296	-	Biomedical Research and Research Training	1090551-404471	Carnegie Mellon Univ	
93.859	I	225	-	Biomedical Research and Research Training	R42GM106421	Cell Microsystems, Inc.	
93.859	I	54,350	-	Biomedical Research and Research Training	78565-10763	Cornell University	
93.859	I	21,307	-	Biomedical Research and Research Training	A030019	Duke University	
93.859	I	81,830	-	Biomedical Research and Research Training	A030785	Duke University	
93.859	I	6,767	-	Biomedical Research and Research Training	N/A	Duke University	
93.859	I	(2)	-	Biomedical Research and Research Training	203-1990	Duke University Medical Center	
93.859	I	40,082	-	Biomedical Research and Research Training	N/A	EpiCypher, Inc.	
93.859	I	3,932	-	Biomedical Research and Research Training	FCCC15101-02	Fox Chase Cancer Center	
93.859	I	16,476	-	Biomedical Research and Research Training	0000905066	Fred Hutchinson Cancer Research Center	
93.859	I	30,104	-	Biomedical Research and Research Training	0000970745	Fred Hutchinson Cancer Research Center	
93.859	I	43,959	-	Biomedical Research and Research Training	RF164-G1	Georgia Institute Of Tech.	
93.859	I	24,747	-	Biomedical Research and Research Training	RJ-193-G1/PO#3700450	Georgia Institute of Technology Research	
93.859	I	45,326	-	Biomedical Research and Research Training	2004080385	Johns Hopkins University	
93.859	I	114,893	-	Biomedical Research and Research Training	18-0784	KXT Bio, Inc.	
93.859	I	2,366	-	Biomedical Research and Research Training	1P50GM09450301A1PO1289717	Medical College Of Wisconsin	
93.859	I	87,821	-	Biomedical Research and Research Training	MUSC16-036	Medical University of South Carolina (MU	
93.859	I	70,408	-	Biomedical Research and Research Training	RC104917UNC	Michigan State University	
93.859	I	118,250	-	Biomedical Research and Research Training	2018-2341	Nirvana Sciences, Inc.	
93.859	I	310	-	Biomedical Research and Research Training	60068802	Ohio State University	
93.859	I	11,358	-	Biomedical Research and Research Training	1012389-UNCCCH	Oregon Health and Science University	
93.859	I	34,539	-	Biomedical Research and Research Training	5829-NCSU-DHHS-3106	Pennsylvania State Univ	
93.859	I	139,203	-	Biomedical Research and Research Training	UNCGM123247	Pennsylvania State University	
93.859	I	114,312	-	Biomedical Research and Research Training	UNCR01GM114015	Pennsylvania State University	
93.859	I	(3,495)	-	Biomedical Research and Research Training	00002140	Princeton University	
93.859	I	(1,991)	-	Biomedical Research and Research Training	N/A	Princeton University	
93.859	I	581	-	Biomedical Research and Research Training	11000451-009	Purdue University	
93.859	I	1,124	-	Biomedical Research and Research Training	N/A	Ribometrix, Inc.	
93.859	I	121,478	-	Biomedical Research and Research Training	N/A	SciKon Innovation Inc	
93.859	I	122,458	-	Biomedical Research and Research Training	257888-NCSU	Temple University	
93.859	I	5,927	-	Biomedical Research and Research Training	575434	Trustees of the Univ. of Pennsylvania	
93.859	I	144,428	-	Biomedical Research and Research Training	GB10488.156554	Univ Of Virginia	

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93.859	I	16,494	-	Biomedical Research and Research Training	2017-3475	University of California at Irvine (UCI)	
93.859	I	17,980	-	Biomedical Research and Research Training	FP058702	University of Chicago	
93.859	I	(27,428)	-	Biomedical Research and Research Training	WA00473947/OSP201704	University of Massachusetts	
93.859	I	76,178	-	Biomedical Research and Research Training	WA00615827/OSP20170	University of Massachusetts	
93.859	I	219,743	-	Biomedical Research and Research Training	WA00737030/OSP20170	University of Massachusetts	
93.859	I	19,071	-	Biomedical Research and Research Training	3004653332	University of Michigan (UMICH)	
93.859	I	139,940	-	Biomedical Research and Research Training	3004653332/PO3005149	University of Michigan (UMICH)	
93.859	I	49,741	-	Biomedical Research and Research Training	3004537869	University of Michigan Ann Arbor	
93.865	D	44,419,024	16,775,416	Child Health and Human Development Extramural Research			
93.865	I	40,661	-	Child Health and Human Development Extramural Research	17-2667	Affinity, Inc.	
93.865	I	25,932	-	Child Health and Human Development Extramural Research	1R44HD095713	Baebies, Inc	
93.865	I	66,299	-	Child Health and Human Development Extramural Research	BMC ID 6927/PO 11630	Boston Medical Center	
93.865	I	64,980	-	Child Health and Human Development Extramural Research	4500002926	Boston University Board of Trustees	
93.865	I	14,260	-	Child Health and Human Development Extramural Research	N/A	Boston University Board of Trustees	
93.865	I	23,888	-	Child Health and Human Development Extramural Research	18-4146	CiceroDx, Inc.	
93.865	I	116,376	-	Child Health and Human Development Extramural Research	3(GG014633-01)	Columbia University	
93.865	I	3,640	-	Child Health and Human Development Extramural Research	16091646-01/182878	Cornell University Weill Medical College	
93.865	I	125,497	-	Child Health and Human Development Extramural Research	14-NIH-1039	Duke University	
93.865	I	1,908	-	Child Health and Human Development Extramural Research	201316	Duke University	
93.865	I	6,326	-	Child Health and Human Development Extramural Research	203-5652	Duke University	
93.865	I	90,928	-	Child Health and Human Development Extramural Research	203-6353	Duke University	
93.865	I	(24)	-	Child Health and Human Development Extramural Research	2035282	Duke University	
93.865	I	74,637	-	Child Health and Human Development Extramural Research	2036108	Duke University	
93.865	I	17,698	-	Child Health and Human Development Extramural Research	2037053	Duke University	
93.865	I	3,040	-	Child Health and Human Development Extramural Research	206028	Duke University	
93.865	I	7,851	-	Child Health and Human Development Extramural Research	2831889	Duke University	
93.865	I	35,858	-	Child Health and Human Development Extramural Research	2831952-240023	Duke University	
93.865	I	80,967	-	Child Health and Human Development Extramural Research	3836242/206028	Duke University	
93.865	I	39,312	-	Child Health and Human Development Extramural Research	A030419	Duke University	
93.865	I	76,618	50	Child Health and Human Development Extramural Research	A030641	Duke University	
93.865	I	18,888	-	Child Health and Human Development Extramural Research	N/A	Duke University	
93.865	I	37,670	-	Child Health and Human Development Extramural Research	N/A	Duke University	
93.865	I	6,291	-	Child Health and Human Development Extramural Research	N/A	Duke University	
93.865	I	31,456	-	Child Health and Human Development Extramural Research	N/A	Duke University	
93.865	I	291	-	Child Health and Human Development Extramural Research	N/A	Duke University Medical Center	
93.865	I	2,213	-	Child Health and Human Development Extramural Research	N/A	Duke University Medical Center	
93.865	I	8,543	-	Child Health and Human Development Extramural Research	102469.001.001 / PO1	Family Health International	
93.865	I	683,373	75,228	Child Health and Human Development Extramural Research	N/A	George Washington University	
93.865	I	2,323	-	Child Health and Human Development Extramural Research	114205-1385-5106544	Harvard University	
93.865	I	30,501	-	Child Health and Human Development Extramural Research	114205-1485-5106544	Harvard University	
93.865	I	9,985	(37,447)	Child Health and Human Development Extramural Research	2002795954	Johns Hopkins University	
93.865	I	90,023	54,275	Child Health and Human Development Extramural Research	PO#2002795954	Johns Hopkins University	
93.865	I	11,902	-	Child Health and Human Development Extramural Research	RC106691D	Michigan State University	
93.865	I	27,822	-	Child Health and Human Development Extramural Research	N/A	Mucommune, LLC	
93.865	I	37,344	-	Child Health and Human Development Extramural Research	N/A	Mucommune, LLC	
93.865	I	361,825	(16,795)	Child Health and Human Development Extramural Research	F4330-02	New York University (NYU)	
93.865	I	68,644	-	Child Health and Human Development Extramural Research	N/A	New York University School of Medicine	
93.865	I	64,516	-	Child Health and Human Development Extramural Research	60050547	Ohio State University	
93.865	I	362,545	(1,218)	Child Health and Human Development Extramural Research	5385-UNCCH-DHHS-4807	Pennsylvania State University	
93.865	I	54,876	-	Child Health and Human Development Extramural Research	1-312-0215374-52637L	Research Triangle Institute (RTI Interna)	
93.865	I	6,714	-	Child Health and Human Development Extramural Research	1-312-0216102-65094L	Research Triangle Institute (RTI Interna)	
93.865	I	17,659	-	Child Health and Human Development Extramural Research	1-312-0216826-65503L	Research Triangle Institute (RTI Interna)	
93.865	I	22,528	-	Child Health and Human Development Extramural Research	2-312-0216665-65432L	Research Triangle Institute (RTI Interna)	
93.865	I	197,579	-	Child Health and Human Development Extramural Research	21612-43392	Saint Louis University	
93.865	I	4,387	-	Child Health and Human Development Extramural Research	61676814-47273	Stanford University	
93.865	I	19,225	-	Child Health and Human Development Extramural Research	571036 /PO 3979378	Trustees of the Univ. of Pennsylvania	
93.865	I	76,286	-	Child Health and Human Development Extramural Research	TUL-SC-555717-17/18	Tulane University	
93.865	I	1,301	-	Child Health and Human Development Extramural Research	000509380-SP004-003	University of Alabama at Birmingham	
93.865	I	8,998	-	Child Health and Human Development Extramural Research	2015-3286	University of California at Irvine (UCI)	
93.865	I	32,590	-	Child Health and Human Development Extramural Research	2018-3601	University of California at Irvine (UCI)	
93.865	I	17,265	-	Child Health and Human Development Extramural Research	2000-G-VM484	University of California at Los Angeles	
93.865	I	65,634	-	Child Health and Human Development Extramural Research	1553411	University of Colorado at Boulder	

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93.865	I	41,386	-	Child Health and Human Development Extramural Research	SC37547-02-00	University of Denver	
93.865	I	188,130	-	Child Health and Human Development Extramural Research	FY2019-021	University of Kansas Center for Research	
93.865	I	57,152	-	Child Health and Human Development Extramural Research	N006344802	University of Minnesota	
93.865	I	7,309	-	Child Health and Human Development Extramural Research	15-2719/PO2000020719	University of South Carolina (USC)	
93.865	I	4,807	-	Child Health and Human Development Extramural Research	FP00008136-SA002	Virginia Commonwealth University (VCU)	
93.865	I	5,847	-	Child Health and Human Development Extramural Research	FP00008924-SA002	Virginia Commonwealth University (VCU)	
93.865	I	(1)	-	Child Health and Human Development Extramural Research	N/A	Virtually Better, Inc	
93.865	I	12,501	-	Child Health and Human Development Extramural Research	WU-19-112/PO#2934529	Washington University in Saint Louis	
93.865	I	85,842	-	Child Health and Human Development Extramural Research	D1404360-01	Wits Health Consortium	
93.865	I	26,618	-	Child Health and Human Development Extramural Research	9373	Women and Infants Hospital of Rhode Isla	
93.865	I	46,552	-	Child Health and Human Development Extramural Research	GR101950 (CON-800011	Yale University	
93.865	I	67,914	-	Child Health and Human Development Extramural Research	GR101978(CON-8000112	Yale University	
93.865	I	32,175	32,175	Child Health and Human Development Extramural Research	M14A12036 (A10192)	Yale University	
93.866	D	7,926,359	861,667	Aging Research			
93.866	I	(229)	-	Aging Research	4500002102	Boston University	
93.866	I	140,233	-	Aging Research	N/A	Dignify Therapeutics	
93.866	I	50,863	-	Aging Research	13-NIH-1080	Duke University	
93.866	I	(117)	-	Aging Research	203-6200	Duke University	
93.866	I	144,816	-	Aging Research	203-7097	Duke University	
93.866	I	37,056	-	Aging Research	2037201	Duke University	
93.866	I	29,624	-	Aging Research	A03-0060	Duke University	
93.866	I	74,726	-	Aging Research	A03-0612	Duke University	
93.866	I	3,913	-	Aging Research	A030931	Duke University	
93.866	I	19,769	-	Aging Research	10.10.91562	Hebrew Rehabilitation Center	
93.866	I	3,712	-	Aging Research	91581	Hebrew Rehabilitation Center	
93.866	I	18,658	-	Aging Research	90076	Hebrew SeniorLife	
93.866	I	31,679	-	Aging Research	2003060831	Johns Hopkins University	
93.866	I	17,676	-	Aging Research	2003160709	Johns Hopkins University	
93.866	I	36,104	-	Aging Research	2003190090	Johns Hopkins University	
93.866	I	18,539	-	Aging Research	2003379634	Johns Hopkins University	
93.866	I	430,808	-	Aging Research	2003475848	Johns Hopkins University	
93.866	I	27,339	-	Aging Research	2004079614	Johns Hopkins University	
93.866	I	6,562	-	Aging Research	60041739 UNC	Northwestern University	
93.866	I	34,758	-	Aging Research	PA-17-303	Treadwell Corporation	
93.866	I	73,608	-	Aging Research	A18-0168-S001	University of California at Davis (UCD)	
93.866	I	2,617	-	Aging Research	1558 G VA099	University of California at Los Angeles	
93.866	I	85,903	-	Aging Research	103896352	University of California at San Diego (U	
93.866	I	181,487	-	Aging Research	FP062370 B	University of Chicago	
93.866	I	68,871	-	Aging Research	RR540-193/4942156	University of Georgia	
93.866	I	13,087	-	Aging Research	SUBK00010829/PO30053	University of Michigan (UMICH)	
93.866	I	88,731	-	Aging Research	0061817 (131708-1)	University of Pittsburgh	
93.866	I	30,127	-	Aging Research	UTA15-000439	University of Texas at Austin	
93.866	I	53,967	-	Aging Research	UTA18-000524	University of Texas at Austin	
93.866	I	24,042	-	Aging Research	30340SUB53046 / PO17	University of Vermont	
93.866	I	105,005	-	Aging Research	674K531	University of Wisconsin at Madison	
93.866	I	444	-	Aging Research	VUMC 38284	Vanderbilt University	
93.866	I	12,493	-	Aging Research	WFUHS-115068	Wake Forest University Health Sciences	
93.867	D	3,604,840	588,574	Vision Research			
93.867	I	(637)	-	Vision Research	N/A	CMP Tarhelm Partners LLC	
93.867	I	31,222	-	Vision Research	N/A	Jaeb Center for Health Research	
93.867	I	5,698	-	Vision Research	20000-0000016024	Massachusetts Eye and Ear Infirmary	
93.867	I	3,995	-	Vision Research	10033536-00	University of Utah	
93.867	I	22,023	-	Vision Research	10033536-00/ U000145	University of Utah	
93.879	D	410,128	-	Medical Library Assistance			
93.884	D	178,472	35,201	Grants for Primary Care Training and Enhancement			
93.918	D	752,861	164,539	Grants to Provide Outpatient Early Intervention Services with Respect to HIV Disease			
93.924	D	7,788	-	Ryan White HIV/AIDS Dental Reimbursement and Community Based Dental Partnership Grants			
93.926	D	454,085	109,842	Healthy Start Initiative			
93.928	D	91,050	18,471	Special Projects of National Significance			
93.928	I	76,904	48,970	Special Projects of National Significance	N/A	National AIDS Fund	
93.928	I	152,796	64,439	Special Projects of National Significance	U90HA29237	National AIDS Fund	

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93.941	I	82,763	-	HIV Demonstration, Research, Public and Professional Education Projects	A046695	Emory University (EU)	
93.941	I	22,068	-	HIV Demonstration, Research, Public and Professional Education Projects	T886562	Emory University (EU)	
93.943	D	2	-	Epidemiologic Research Studies of Acquired Immunodeficiency Syndrome (AIDS) and Human Immunodeficiency Virus (HIV) Infection in Selected Population Groups			
93.945	D	393,421	253,499	Assistance Programs for Chronic Disease Prevention and Control			
93.945	I	21,358	-	Assistance Programs for Chronic Disease Prevention and Control	0618-076	Alaska Department of Health and Social S	
93.945	I	10,924	-	Assistance Programs for Chronic Disease Prevention and Control	Subcontract CDC-0001	Crohns and Colitis Foundation of America	
93.945	I	2,290	-	Assistance Programs for Chronic Disease Prevention and Control	6482102	University of Southern Maine	
93.969	D	748,663	242,620	PPHF Geriatric Education Centers			
93.989	D	3,488,759	1,364,894	International Research and Research Training			
93.989	I	(867)	-	International Research and Research Training	1(GG010661-01)	Columbia University Trustees	
93.989	I	22,903	-	International Research and Research Training	A03-0372	Duke University	
93.989	I	46,765	-	International Research and Research Training	60049839 UNC	Northwestern University	
93.989	I	(1)	-	International Research and Research Training	1003185-UNC	Oregon Health and Science University	
93.989	I	37,443	-	International Research and Research Training	S005253	Stellenbosch University	
93.989	I	(4,583)	-	International Research and Research Training	N/A	Vanderbilt University Medical Center	
93.989	I	2,627	2,627	International Research and Research Training	VUMC 34750	Vanderbilt University Medical Center	
93.989	I	(15,000)	-	International Research and Research Training	VUMC 38480	Vanderbilt University Medical Center	
93.989	I	22,567	-	International Research and Research Training	VUMC66317	Vanderbilt University Medical Center	
93.RD	D	12,648	-	U. S. Department of Health and Human Services			254-2017-M-94828
93.RD	D	726,658	63,794	U. S. Department of Health and Human Services			A09-0420-013
93.RD	D	2,681	-	U. S. Department of Health and Human Services			A09-1582-001
93.RD	D	(3)	-	U. S. Department of Health and Human Services			A12-1605-001
93.RD	D	1,894,483	275,127	U. S. Department of Health and Human Services			A13-1294-001
93.RD	D	168,622	37,111	U. S. Department of Health and Human Services			A14-0502-001
93.RD	D	36,382	-	U. S. Department of Health and Human Services			A15-1261-001
93.RD	D	8,443	-	U. S. Department of Health and Human Services			A15-1694-002
93.RD	D	6,288	-	U. S. Department of Health and Human Services			A16-0111-003
93.RD	D	31,487	-	U. S. Department of Health and Human Services			A16-0111-004
93.RD	D	621,448	185,540	U. S. Department of Health and Human Services			A16-0475-001
93.RD	D	60,419	-	U. S. Department of Health and Human Services			A17-0524-002
93.RD	D	706,205	125,853	U. S. Department of Health and Human Services			A17-0674-001
93.RD	D	636,109	161,880	U. S. Department of Health and Human Services			A17-0674-003
93.RD	D	1,251,010	520,876	U. S. Department of Health and Human Services			A17-0674-004
93.RD	D	1,237,625	346,385	U. S. Department of Health and Human Services			A17-0674-007
93.RD	D	1,064,666	829,541	U. S. Department of Health and Human Services			A17-0687-001
93.RD	D	15,848	-	U. S. Department of Health and Human Services			A17-0873-001
93.RD	D	7,055	-	U. S. Department of Health and Human Services			A17-0979-001
93.RD	D	46,578	10,109	U. S. Department of Health and Human Services			A17-1569-001
93.RD	D	416	-	U. S. Department of Health and Human Services			A17-1652-001
93.RD	D	2,837	-	U. S. Department of Health and Human Services			A17-1671-001
93.RD	D	41,524	(820)	U. S. Department of Health and Human Services			A18-0398-001
93.RD	D	97,201	-	U. S. Department of Health and Human Services			A18-0821-001
93.RD	D	6,515	-	U. S. Department of Health and Human Services			A18-1016-001
93.RD	D	16,459	-	U. S. Department of Health and Human Services			A18-1056-001
93.RD	D	142,211	-	U. S. Department of Health and Human Services			A18-1166-001
93.RD	D	364,752	64,083	U. S. Department of Health and Human Services			A18-1208-001
93.RD	D	48,352	-	U. S. Department of Health and Human Services			A18-1218-001
93.RD	D	47,667	-	U. S. Department of Health and Human Services			A18-1224-001
93.RD	D	77,581	-	U. S. Department of Health and Human Services			A18-1238-001
93.RD	D	6,243	-	U. S. Department of Health and Human Services			A19-0143-001
93.RD	D	17,247	-	U. S. Department of Health and Human Services			A19-0239-001
93.RD	D	2,192,493	149,347	U. S. Department of Health and Human Services			A19-0308-001
93.RD	D	30,459	-	U. S. Department of Health and Human Services			A19-0408-001
93.RD	D	117,026	-	U. S. Department of Health and Human Services			A19-0439-001
93.RD	D	394,616	163,978	U. S. Department of Health and Human Services			A19-0561-001
93.RD	D	63,946	1,010	U. S. Department of Health and Human Services			A19-0580-001
93.RD	D	153,538	-	U. S. Department of Health and Human Services			A19-0625-001
93.RD	D	1,442,615	26,772	U. S. Department of Health and Human Services			A19-0650-001
93.RD	D	5,344	-	U. S. Department of Health and Human Services			A19-0731-001
93.RD	D	92,845	-	U. S. Department of Health and Human Services			A19-0982-001
93.RD	D	9,132	-	U. S. Department of Health and Human Services			A19-1377-001

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93.RD	D	-	-	U. S. Department of Health and Human Services			A98-0196-001
93.RD	D	34,192	-	U. S. Department of Health and Human Services			HHSF223201710086P
93.RD	D	87,421	50,045	U. S. Department of Health and Human Services			HHSF223201710406P
93.RD	D	138,636	-	U. S. Department of Health and Human Services			HHSF223201810026I
93.RD	D	109,406	50,045	U. S. Department of Health and Human Services			HHSF223201810225P
93.RD	I	(1)	-	U. S. Department of Health and Human Services	N/A	250Glycan Therapeutics, Inc.	A16-0917-001
93.RD	I	22,648	-	U. S. Department of Health and Human Services	N/A	250Glycan Therapeutics, Inc.	A16-0917-003
93.RD	I	286,731	-	U. S. Department of Health and Human Services	48845	Abt Associates, Inc.	A18-1160-001
93.RD	I	78,536	-	U. S. Department of Health and Human Services	2017.707.001UNC	AcademyHealth	A18-0395-001
93.RD	I	209,657	-	U. S. Department of Health and Human Services	2017.707.001UNC	AcademyHealth	A18-0395-003
93.RD	I	47,597	-	U. S. Department of Health and Human Services	2016-0746	Agle Sciences, Inc.	HHSN272201500010C
93.RD	I	74,226	-	U. S. Department of Health and Human Services	N/A	Alliant Health Solutions (AHS)	A17-1447-005
93.RD	I	24,275	-	U. S. Department of Health and Human Services	0412400001	American Institutes for Research (AIR)	A17-0785-001
93.RD	I	9,982	-	U. S. Department of Health and Human Services	N/A	Association of Maternal and Child Health	A16-1421-001
93.RD	I	(3,559)	-	U. S. Department of Health and Human Services	S150202	Avram Corporation	A15-1042-001
93.RD	I	95	-	U. S. Department of Health and Human Services	1R4ES026916-01	AxNano, LLC	G-280953
93.RD	I	286,422	-	U. S. Department of Health and Human Services	N/A	Brigham and Women's Hospital	A10-1773-001
93.RD	I	90,004	-	U. S. Department of Health and Human Services	N/A	Brigham and Women's Hospital	A10-1776-001
93.RD	I	53,312	-	U. S. Department of Health and Human Services	N/A	Cell Microsystems, Inc.	A18-1480-001
93.RD	I	15,999	-	U. S. Department of Health and Human Services	M114S01F1-NU2GGH0021	Centre for Infectious Disease Research	A19-1340-001
93.RD	I	5,155	-	U. S. Department of Health and Human Services	N/A	Community Care of North Carolina (CCNC)	A18-0688-001
93.RD	I	3,522	-	U. S. Department of Health and Human Services	11.11.09	DARTNet Institute	A16-1256-003
93.RD	I	3,472	-	U. S. Department of Health and Human Services	11.11.09	DARTNet Institute	A16-1256-004
93.RD	I	152,570	-	U. S. Department of Health and Human Services	N/A	Directors of Health Promotion and Education	A09-0654-001
93.RD	I	12,400	-	U. S. Department of Health and Human Services	201316	Duke University	A18-0833-001
93.RD	I	23,590	-	U. S. Department of Health and Human Services	203-7902	Duke University	A18-1631-001
93.RD	I	729	-	U. S. Department of Health and Human Services	203-8492	Duke University	A17-1112-001
93.RD	I	639	-	U. S. Department of Health and Human Services	203-8758	Duke University	A15-1723-002
93.RD	I	9,229	-	U. S. Department of Health and Human Services	2036749/ 200-2012-53	Duke University	A18-0620-001
93.RD	I	35,942	-	U. S. Department of Health and Human Services	2038152	Duke University	A16-1108-001
93.RD	I	22,380	-	U. S. Department of Health and Human Services	210424	Duke University	A17-0735-001
93.RD	I	903	-	U. S. Department of Health and Human Services	218090	Duke University	A17-0734-001
93.RD	I	385	-	U. S. Department of Health and Human Services	218092	Duke University	A17-1711-001
93.RD	I	750	-	U. S. Department of Health and Human Services	226749	Duke University	A18-1627-001
93.RD	I	87,822	-	U. S. Department of Health and Human Services	233311	Duke University	A18-0620-002
93.RD	I	4,583	-	U. S. Department of Health and Human Services	235432	Duke University	A11-1616-001
93.RD	I	10,913	-	U. S. Department of Health and Human Services	383-9754	Duke University	A16-1814-001
93.RD	I	2,196	-	U. S. Department of Health and Human Services	3836242/26028	Duke University	A16-1325-001
93.RD	I	9,219	-	U. S. Department of Health and Human Services	N/A	Duke University	A19-1075-001
93.RD	I	640	-	U. S. Department of Health and Human Services	SubawardNO: 2037138	Duke University	G-281006
93.RD	I	2,461	-	U. S. Department of Health and Human Services	HHSN-23551801000003I	Duke University Clinical Research Instit	A19-0998-001
93.RD	I	313,019	-	U. S. Department of Health and Human Services	EA1151	ECOG-ACRIN Cancer Research Group	A18-0567-001
93.RD	I	23,382	-	U. S. Department of Health and Human Services	EA4151	ECOG-ACRIN Cancer Research Group	A18-0655-001
93.RD	I	51,338	-	U. S. Department of Health and Human Services	T930446	Emory University (EU)	A18-0690-001
93.RD	I	554,032	-	U. S. Department of Health and Human Services	PO15001683	Family Health International	A15-1720-001
93.RD	I	90,189	-	U. S. Department of Health and Human Services	0000865654	Fred Hutchinson Cancer Research Center	A16-1238-006
93.RD	I	41,465	-	U. S. Department of Health and Human Services	0000865654	Fred Hutchinson Cancer Research Center	A16-1238-009
93.RD	I	166,337	39,506	U. S. Department of Health and Human Services	N/A	Georgia Medical Care Foundation, Inc.	A17-1447-003
93.RD	I	33,171	-	U. S. Department of Health and Human Services	10-16385-99-01-02	H Lee Moffitt Cancer and Research Instit	A06-1465-001
93.RD	I	4,558	-	U. S. Department of Health and Human Services	N/A	H Lee Moffitt Cancer and Research Instit	A10-0873-001
93.RD	I	287	-	U. S. Department of Health and Human Services	EMAIL DATED 4/17/17	Heitech Services, Inc.	G-280967
93.RD	I	20,788	-	U. S. Department of Health and Human Services	19-001	Ils, Inc.	HHSN273201500010C
93.RD	I	22,073	-	U. S. Department of Health and Human Services	GEP/17/04	International Agency for Research on Can	A17-1676-001
93.RD	I	27,695	-	U. S. Department of Health and Human Services	00741-PSC-CW CURRICU	JBS International Inc.	A17-0579-001
93.RD	I	239,674	84,759	U. S. Department of Health and Human Services	FPNTCUNCY2	John Snow, Inc. (JSI)	A18-0702-001
93.RD	I	543,020	-	U. S. Department of Health and Human Services	FPNTCUNCY3	John Snow, Inc. (JSI)	A19-0318-001
93.RD	I	14,199	-	U. S. Department of Health and Human Services	KT-19-01	Kaio Therapy	HHSN261201800028C
93.RD	I	(4,354)	-	U. S. Department of Health and Human Services	HHSA290201500007I	Kaiser Foundation Research Institute	A16-1721-001
93.RD	I	443	-	U. S. Department of Health and Human Services	200-2016-92145-SK01	Karna LLC	A17-0772-003
93.RD	I	32,710	-	U. S. Department of Health and Human Services	30017-87-381	La Jolla Institute for Allergy and Immun	A15-1256-004
93.RD	I	27,786	-	U. S. Department of Health and Human Services	30018-87-381	La Jolla Institute for Allergy and Immun	A15-1256-005
93.RD	I	47,054	-	U. S. Department of Health and Human Services	12XS457	Leidos Biomedical Research	A13-1195-001

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93.RD		3,450,616	-	U. S. Department of Health and Human Services	16X250	Leidos Biomedical Research	A17-0747-001
93.RD		170,359	-	U. S. Department of Health and Human Services	17X011	Leidos Biomedical Research	A17-1423-001
93.RD		100,882	-	U. S. Department of Health and Human Services	X17346M/X17346N	Leidos Biomedical Research	A17-1595-001
93.RD		136,212	-	U. S. Department of Health and Human Services	18X090	Leidos, Inc (Formerly Saic)	HHSN261201800001E
93.RD		13,756	-	U. S. Department of Health and Human Services	N/A	MCD Public Health	A19-0716-001
93.RD		867,185	-	U. S. Department of Health and Human Services	N/A	MacroGenics, Inc.	A16-1013-001
93.RD		(22,633)	-	U. S. Department of Health and Human Services	N/A	MacroGenics, Inc.	A16-1938-001
93.RD		15,222	-	U. S. Department of Health and Human Services	HHSP233201500059I	Manpower Demonstration Research Corporation	A17-1024-001
93.RD		27,819	-	U. S. Department of Health and Human Services	NCSU-01-4574	Mcking Consulting Corp	200-2016-F-90988
93.RD		18,270	-	U. S. Department of Health and Human Services	2018-1560	Nasda	5U01FD005334-04
93.RD		76,892	-	U. S. Department of Health and Human Services	1004354-002_UNC	Oregon Health and Science University	A18-0682-001
93.RD		23,585	-	U. S. Department of Health and Human Services	400069	RAND Corporation	A17-0580-001
93.RD		1,917	-	U. S. Department of Health and Human Services	1-312-0214460-51905L	Research Triangle Institute (RTI Interna)	A15-0705-001
93.RD		42,550	-	U. S. Department of Health and Human Services	1-312-0214491-51947L	Research Triangle Institute (RTI Interna)	A15-1169-001
93.RD		13,239	-	U. S. Department of Health and Human Services	1-312-0214531-52014L	Research Triangle Institute (RTI Interna)	A15-1368-001
93.RD		8,933	-	U. S. Department of Health and Human Services	1-312-0214643-52054L	Research Triangle Institute (RTI Interna)	A15-1547-001
93.RD		7,710	-	U. S. Department of Health and Human Services	1-312-0216363-65291L	Research Triangle Institute (RTI Interna)	A18-1443-001
93.RD		22,206	-	U. S. Department of Health and Human Services	1-340-0216681-65421L	Research Triangle Institute (RTI Interna)	A19-0889-001
93.RD		3,808	-	U. S. Department of Health and Human Services	10-312-0213462-52100	Research Triangle Institute (RTI Interna)	A15-1561-001
93.RD		12,644	-	U. S. Department of Health and Human Services	10-312-0213618-52723	Research Triangle Institute (RTI Interna)	A17-0759-002
93.RD		8,151	-	U. S. Department of Health and Human Services	13-312-0214643-52776	Research Triangle Institute (RTI Interna)	A17-0659-001
93.RD		45,217	-	U. S. Department of Health and Human Services	15-312-0214643-52624	Research Triangle Institute (RTI Interna)	A17-0718-001
93.RD		13,849	-	U. S. Department of Health and Human Services	16-312-0214448-52718	Research Triangle Institute (RTI Interna)	A17-1592-001
93.RD		1,377	-	U. S. Department of Health and Human Services	16-312-0214643-52634	Research Triangle Institute (RTI Interna)	A16-1848-002
93.RD		2,773	-	U. S. Department of Health and Human Services	16-312-0214643-52634	Research Triangle Institute (RTI Interna)	A16-1848-003
93.RD		18,642	-	U. S. Department of Health and Human Services	17-312-0214643-52761	Research Triangle Institute (RTI Interna)	A17-1054-001
93.RD		43,422	-	U. S. Department of Health and Human Services	19-312-0214780-65388	Research Triangle Institute (RTI Interna)	A19-0585-001
93.RD		405,039	-	U. S. Department of Health and Human Services	20-312-0214643-65059	Research Triangle Institute (RTI Interna)	A18-0619-001
93.RD		187,540	-	U. S. Department of Health and Human Services	23-312-0214643-65236	Research Triangle Institute (RTI Interna)	A18-1213-001
93.RD		138,686	-	U. S. Department of Health and Human Services	25-312-0214643-65338	Research Triangle Institute (RTI Interna)	A19-0420-001
93.RD		(2,495)	-	U. S. Department of Health and Human Services	4-312-0215034-52774L	Research Triangle Institute (RTI Interna)	A17-1115-001
93.RD		257,193	-	U. S. Department of Health and Human Services	5-312-0214643-52341L	Research Triangle Institute (RTI Interna)	A16-1520-001
93.RD		24,173	-	U. S. Department of Health and Human Services	5-312-0215034-65189L	Research Triangle Institute (RTI Interna)	A18-1358-001
93.RD		4,526	-	U. S. Department of Health and Human Services	6-312-0213462-51685L	Research Triangle Institute (RTI Interna)	A14-1067-001
93.RD		33,422	-	U. S. Department of Health and Human Services	6-312-0214780-52373L	Research Triangle Institute (RTI Interna)	A16-1228-001
93.RD		9,510	-	U. S. Department of Health and Human Services	7-312-0213462-51692L	Research Triangle Institute (RTI Interna)	A14-1068-001
93.RD		23,150	-	U. S. Department of Health and Human Services	7-312-0213618-52523L	Research Triangle Institute (RTI Interna)	A16-0775-003
93.RD		632	-	U. S. Department of Health and Human Services	8-312-0213462-51887L	Research Triangle Institute (RTI Interna)	A14-1720-001
93.RD		(643)	-	U. S. Department of Health and Human Services	8-312-0214077-51973L	Research Triangle Institute (RTI Interna)	A15-0970-001
93.RD		(594)	-	U. S. Department of Health and Human Services	888-11-16-04	Research Triangle Institute (RTI Interna)	A13-0932-001
93.RD		(1)	-	U. S. Department of Health and Human Services	888-11-16-04/1-312-0	Research Triangle Institute (RTI Interna)	A13-1333-001
93.RD		237	-	U. S. Department of Health and Human Services	C000607913	Research Triangle Institute (RTI Interna)	A16-1389-001
93.RD		(1,687)	-	U. S. Department of Health and Human Services	13XS093	SAIC-Frederick, Inc.	A13-1196-001
93.RD		644	-	U. S. Department of Health and Human Services	N/A	SAIC-Frederick, Inc.	A09-1228-001
93.RD		(4,937)	-	U. S. Department of Health and Human Services	X13-1092/PO13ST1361A	SAIC-Frederick, Inc.	A13-1505-001
93.RD		7,286	-	U. S. Department of Health and Human Services	CRB-SSS-S-15-004559	Social and Scientific Systems (S3), Inc.	A16-1847-001
93.RD		15,892	-	U. S. Department of Health and Human Services	PHR-SSS-S-18-005487	Social and Scientific Systems (S3), Inc.	A19-0899-001
93.RD		3,238	-	U. S. Department of Health and Human Services	#06-S170631	Texas A&M Agrilife Research	200-2016-91789
93.RD		89,356	-	U. S. Department of Health and Human Services	UWSC10535 BPO#32122	Univ Of Washington	HHSN272201800008C
93.RD		10,692	-	U. S. Department of Health and Human Services	FY2016-089-M1	University Of Kansas	A16-0994-002
93.RD		5,822	(1,600)	U. S. Department of Health and Human Services	000500918-T011-007	University of Alabama at Birmingham	A17-1402-001
93.RD		2,284	-	U. S. Department of Health and Human Services	000500918-T013-008	University of Alabama at Birmingham	A17-1321-002
93.RD		6,271	-	U. S. Department of Health and Human Services	000500918-T013-008	University of Alabama at Birmingham	A17-1321-003
93.RD		140,913	230	U. S. Department of Health and Human Services	000524050-T006-005	University of Alabama at Birmingham	A18-1392-001
93.RD		94,938	-	U. S. Department of Health and Human Services	430429	University of Arizona	A17-1737-001
93.RD		17,114	-	U. S. Department of Health and Human Services	1001837485	University of Iowa	A17-1577-001
93.RD		55,572	-	U. S. Department of Health and Human Services	66102700414-04UNC-MM	University of Mississippi Medical Center	A13-1648-005
93.RD		32,053	-	U. S. Department of Health and Human Services	66111340819-01	University of Mississippi Medical Center	A19-0375-001
93.RD		113,787	-	U. S. Department of Health and Human Services	66111350819-11	University of Mississippi Medical Center	A19-0598-001
93.RD		12,436	-	U. S. Department of Health and Human Services	16-2910/PO2000005316	University of South Carolina (USC)	A16-1915-001
93.RD		20,372	-	U. S. Department of Health and Human Services	330334	Wake Forest University	A16-1845-003
93.RD		33,478	-	U. S. Department of Health and Human Services	330336	Wake Forest University	A16-1845-005

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)

For the Fiscal Year Ended June 30, 2019

Federal CFDA Number	Direct / Indirect	Program Expenditures	Amount Provided to Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
93.RD	I	3,965	-	U. S. Department of Health and Human Services	WU-19-165 (PO 2934585G)	Washington University-St Louis	75D30118C02926
93.RD	I	56,113	-	U. S. Department of Health and Human Services	6632-01-S02	Westat, Inc.	A19-0974-001
93.RD	I	23,448	-	U. S. Department of Health and Human Services	5001441	Women and Infants Hospital of Rhode Isla	A19-0310-001
		<u>542,662,084</u>	<u>84,962,187</u>	Total — Research and Development — U. S. Department of Health and Human Services			
Corporation for National and Community Service							
94.019	I	4	-	Social Innovation Fund	N/A	New Profit, Inc	
94.RD	I	73,711	16,420	Corporation for National and Community Service	2019-1047	Share Our Strength	2019-1047
		<u>73,715</u>	<u>16,420</u>	Total — Research and Development — Corporation for National and Community Service			
Social Security Administration							
96.RD	I	352,358	-	Social Security Administration	6464-S-NC01-001	Westat, Inc.	A18-0543-001
		<u>352,358</u>	-	Total — Research and Development — Social Security Administration			
U. S. Department of Homeland Security							
97.044	D	20,662	-	Assistance to Firefighters Grant			
97.061	D	2,812,665	1,826,620	Centers for Homeland Security			
97.077	D			Homeland Security Research, Development, Testing, Evaluation, and Demonstration of Technologies Related to Nuclear Threat Detection			
		117,250	-				
97.122	D	922,393	709,169	Bio-Preparedness Collaboratory			
		<u>3,872,970</u>	<u>2,535,789</u>	Total — Research and Development — U. S. Department of Homeland Security			
U. S. Agency for International Development							
98.001	D	52,886,921	38,648,258	USAID Foreign Assistance for Programs Overseas			
98.001	I	8,995	-	USAID Foreign Assistance for Programs Overseas	N/A	Baylor College of Medicine	A09-0394-001
98.001	I	(4,500)	-	USAID Foreign Assistance for Programs Overseas	N/A	Engility Corporation	A13-1348-001
98.001	I	457,590	-	USAID Foreign Assistance for Programs Overseas	102137.001.004.003.	Family Health International	A14-1017-001
98.001	I	45,119	-	USAID Foreign Assistance for Programs Overseas	102137.001.004.003.0	Family Health International	A19-0401-001
98.001	I	880,634	19,379	USAID Foreign Assistance for Programs Overseas	SH1422	Population Council	A17-1193-001
98.001	I	44,381	-	USAID Foreign Assistance for Programs Overseas	4-340-0216030-65235L	Research Triangle Institute (RTI Interna	A14-1557-001
98.001	I	13,759	-	USAID Foreign Assistance for Programs Overseas	FPC-19-021	United States Pharmacopeia Convention	2017-0098
98.012	I	1	-	USAID Development Partnerships for University Cooperation and Development	N/A	Higher Education for Development (HED)	ESP-00-05-00001-00
98.RD	D		1	United States Agency for International Development			AID-263-A-15-00002
98.RD	D	399,163	399,163	United States Agency for International Development			EPP_A-00-06-00012-00
98.RD	D	3,557,603	3,330,143	United States Agency for International Development			A19-1129-001
98.RD	D	790,213	323,906	United States Agency for International Development			A18-1242-001
98.RD	I	965,793	-	United States Agency for International Development	MAPS1-17-073	Eastern Virginia Medical School	RD011G-C USAID OSU
98.RD	I	219,512	102,346	United States Agency for International Development	100303/W0936	Family Health International	G-280828
98.RD	I	70,706	-	United States Agency for International Development	RC102095-G4003	Michigan State University	Right to Care
98.RD	I	6	-	United States Agency for International Development	2000006098	National Academy Of Sciences	A17-1436-001
98.RD	I	62,643	-	United States Agency for International Development	2000007142	National Academy Of Sciences	RC710-081/S001708
98.RD	I	62,091	-	United States Agency for International Development	2000007149	National Academy Of Sciences	A13-0344-001
98.RD	I	92,084	51,954	United States Agency for International Development	2000010391	National Academy of Sciences	
98.RD	I	255,021	-	United States Agency for International Development	7554.UNC-CH.01	National Opinion Research Center (NORC)	
98.RD	I	110,418	33,238	United States Agency for International Development	RD011G-C	Oregon State Univ.	
98.RD	I	267	-	United States Agency for International Development	8000062018-41060000	Purdue University	
98.RD	I	(868)	-	United States Agency for International Development	N/A	Univ Of Georgia	
98.RD	I	70,082	-	United States Agency for International Development	RC710-081/S001708	Univ Of Georgia	
98.RD	I	(1,583)	-	United States Agency for International Development	6015-S03	Westat, Inc.	
		<u>60,986,052</u>	<u>42,908,388</u>	Total — Research and Development — U. S. Agency for International Development			
		<u>822,801,784</u>	<u>162,135,222</u>	Total — Research and Development			
Student Financial Assistance Programs—Cluster:							
U. S. Department of Education							
84.007	D	37,859,307	-	Federal Supplemental Educational Opportunity Grants			
84.033	D	15,763,113	-	Federal Work-Study Program			
84.038	D	56,825,397	-	Federal Perkins Loan Program Federal Capital Contributions			
84.063	D	665,010,243	-	Federal Pell Grant Program			
84.268	D	1,315,490,607	-	Federal Direct Student Loans			

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)

For the Fiscal Year Ended June 30, 2019

Federal CFDA Number	Direct / Indirect	Program Expenditures	Amount Provided to Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
84.379	D	179,522	-	Teacher Education Assistance for College and Higher Education Grants (TEACH Grants)			
84.408	D	12,808	-	Postsecondary Education Scholarships for Veteran's Dependents			
		2,091,140,997	-	Total — Student Financial Assistance Programs Cluster — U. S. Department of Education			
U. S. Department of Health and Human Services							
93.264	D	834,318	-	Nurse Faculty Loan Program (NFLP)			
93.342	D	4,082,690	-	Health Professions Student Loans, Including Primary Care Loans/Loans for Disadvantaged Students			
93.364	D	387,959	-	Nursing Student Loans			
93.925	D	2,240,587	-	Scholarships for Health Professions Students from Disadvantaged Backgrounds			
		7,545,554	-	Total — Student Financial Assistance Programs Cluster — U. S. Department of Health and Human Services			
		2,098,686,551	-	Total —Student Financial Assistance			
Supplemental Nutrition Assistance Program (SNAP)—Cluster:							
U. S. Department of Agriculture							
10.551	D	1,935,225,529	-	Supplemental Nutrition Assistance Program			
10.561	D	128,317,869	103,851,677	State Administrative Matching Grants for the Supplemental Nutrition Assistance Program			
10.561	I	68,185	-	State Administrative Matching Grants for the Supplemental Nutrition Assistance Program	17-18-35901	NCCCS	
10.561	I	1,478	-	State Administrative Matching Grants for the Supplemental Nutrition Assistance Program	4400019226	South Carolina Department of Social Serv	
10.561	I	9,709	-	State Administrative Matching Grants for the Supplemental Nutrition Assistance Program	4400020209	South Carolina Department of Social Serv	
10.561	I	6,100	-	State Administrative Matching Grants for the Supplemental Nutrition Assistance Program	N/A	University of Missouri	
10.561	I	11,644	-	State Administrative Matching Grants for the Supplemental Nutrition Assistance Program	0000002028	University of Wisconsin	
10.561	I	22,125	-	State Administrative Matching Grants for the Supplemental Nutrition Assistance Program	0000001570	University of Wisconsin-Extension	
		2,063,662,639	103,851,677	Total — Supplemental Nutrition Assistance Program (SNAP) — U. S. Department of Agriculture			
		2,063,662,639	103,851,677	Total —Supplemental Nutrition Assistance Program (SNAP)			
Special Education—Cluster (IDEA)							
U. S. Department of Education							
84.027	D	347,907,014	341,247,605	Special Education Grants to States			
84.027	I	5,540	-	Special Education Grants to States	980-31ad	Macomb Intermediate School District	
84.027	I	6,055	-	Special Education Grants to States	159341	Minnesota Department of Education	
84.173	D	11,754,397	9,188,330	Special Education Preschool Grants			
		359,673,006	350,435,935	Total — Special Education Cluster (IDEA) — U. S. Department of Education			
		359,673,006	350,435,935	Total —Special Education (IDEA)			
TANF—Cluster:							
U. S. Department of Health and Human Services							
93.558	D	295,500,382	158,834,260	Temporary Assistance for Needy Families			
		295,500,382	158,834,260	Total — TANF Cluster — U. S. Department of Health and Human Services			
		295,500,382	158,834,260	Total —TANF			
TRIO—Cluster:							
U. S. Department of Education							
84.042	D	8,848,484	204	TRIO Student Support Services			
84.044	D	3,350,253	-	TRIO Talent Search			
84.047	D	6,165,979	(3,514)	TRIO Upward Bound			

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)

For the Fiscal Year Ended June 30, 2019

Federal CFDA Number	Direct / Indirect	Program Expenditures	Amount Provided to Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
84.066	D	1,520,248	-	TRIO Educational Opportunity Centers			
84.217	D	1,219,328	-	TRIO McNair Post-Baccalaureate Achievement			
		21,104,292	(3,310)	Total — Teacher Quality Partnership Grants Cluster (TRIO) — U. S. Department of Education			
		21,104,292	(3,310)	Total —TRIO			

Transit Services Programs—Cluster:**U. S. Department of Transportation**

20.513	D	5,696,388	5,249,686	Enhanced Mobility of Seniors and Individuals with Disabilities			
20.516	D	371,183	371,183	Job Access and Reverse Commute Program			
20.521	D	428,290	428,290	New Freedom Program			
		6,495,861	6,049,159	Total — Transit Services Programs Cluster — U. S. Department of Transportation			
		6,495,861	6,049,159	Total —Transit Services Programs			

WIOA—Cluster:**U. S. Department of Labor**

17.258	D	17,232,110	16,853,366	WIOA Adult Program			
17.258	I	139,556	-	WIOA Adult Program	0-2020-33	Cape Fear COG	
17.258	I	219,869	-	WIOA Adult Program	18-4020-40-6035-07	ECWDB	
17.258	I	124,020	-	WIOA Adult Program	2020	ECWDB	
17.258	I	195,937	-	WIOA Adult Program	18-4020-40-6331-09	Eastern Carolina Workforce Dev. Board	
17.258	I	316,541	-	WIOA Adult Program	11-2020-40-6169	Eastern Carolina Workforce Development	
17.258	I	115,757	-	WIOA Adult Program	220	Land of Sky Regional Council	
17.258	I	255,568	-	WIOA Adult Program	WIOA-2018-61-ABTCC-02	Mountain Area Workforce	
17.258	I	161,135	-	WIOA Adult Program	18-4020-49-1380	Region D	
17.258	I	45,000	-	WIOA Adult Program	18-4050-49-1380	Region D	
17.258	I	484,689	-	WIOA Adult Program	9-2020/2030-21-4505-02/04	Turning Point	
17.258	I	43,605	-	WIOA Adult Program	18-4020-40-6227-08	WAC	
17.259	D	31,563,184	24,489,069	WIOA Youth Activities			
17.259	I	131,390	-	WIOA Youth Activities	0-2040-33	Cape Fear COG	
17.259	I	742,085	-	WIOA Youth Activities	2040-36	Charlotte Works	
17.259	I	90,048	-	WIOA Youth Activities	AA-33241-19-55-A-37	Council of Governments	
17.259	I	114,983	-	WIOA Youth Activities	18-4040-40-6035-07	ECWDB	
17.259	I	2,000	-	WIOA Youth Activities	18-4050FLG-40-6035-07	ECWDB	
17.259	I	114,312	-	WIOA Youth Activities	2040	ECWDB	
17.259	I	78,138	-	WIOA Youth Activities	18-4040-40-6331-09	Eastern Carolina Workforce Dev. Board	
17.259	I	1,392	-	WIOA Youth Activities	18-4050FLG-40-6331-09	Eastern Carolina Workforce Dev. Board	
17.259	I	190,987	-	WIOA Youth Activities	11-2020-40-6169	Eastern Carolina Workforce Development	
17.259	I	297	-	WIOA Youth Activities	18-4050FLG-40-6169-04/05/16	Eastern Carolina Workforce Development	
17.259	I	353,176	-	WIOA Youth Activities	1718-349	Gaston County-NexGen	
17.259	I	94,458	-	WIOA Youth Activities	1117	Kerr-Tar Regional Council of Governments	
17.259	I	527,760	-	WIOA Youth Activities	44-18-5467-YTH	LRCOG	
17.259	I	80,514	-	WIOA Youth Activities	240	Land of Sky Regional Council	
17.259	I	35,426	-	WIOA Youth Activities	UpSkill WNC-Innovation Grant	Mountain Area Workforce	
17.259	I	35,602	-	WIOA Youth Activities	WIOA-2017-61-ABTECH-FLG-01	Mountain Area Workforce	
17.259	I	66,667	-	WIOA Youth Activities	WIOA-61-INNOVA-ABTECH-02	Mountain Area Workforce	
17.259	I	222,515	-	WIOA Youth Activities	18-4040-49-1380	Region D	
17.259	I	35,600	-	WIOA Youth Activities	18-4050-49-1380	Region D	
17.259	I	7,919	-	WIOA Youth Activities	9-2020/2030-21-4505-02/04	Turning Point	
17.278	D	37,420,292	20,358,251	WIOA Dislocated Worker Formula Grants			
17.278	I	96,394	-	WIOA Dislocated Worker Formula Grants	0-2030-33	Cape Fear COG	
17.278	I	18,126	-	WIOA Dislocated Worker Formula Grants	4000017295	Charlotte Works	
17.278	I	97,176	-	WIOA Dislocated Worker Formula Grants	1-4050-40-6035-07	ECWDB	
17.278	I	121,926	-	WIOA Dislocated Worker Formula Grants	18-4030-40-6035-07	ECWDB	
17.278	I	27,021	-	WIOA Dislocated Worker Formula Grants	2030	ECWDB	
17.278	I	116,707	-	WIOA Dislocated Worker Formula Grants	18-4030-40-6331-09	Eastern Carolina Workforce Dev. Board	
17.278	I	36,729	-	WIOA Dislocated Worker Formula Grants	11-2020-40-6169	Eastern Carolina Workforce Development	
17.278	I	203,140	-	WIOA Dislocated Worker Formula Grants	230	Land of Sky Regional Council	
17.278	I	2,352	-	WIOA Dislocated Worker Formula Grants	WIOA Title 1 Finish Line Grants-Administrative Funds	Mountain Area Workforce	

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)

For the Fiscal Year Ended June 30, 2019

Federal CFDA Number	Direct / Indirect	Program Expenditures	Amount Provided to Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
17.278	I	212,528	-	WIOA Dislocated Worker Formula Grants	WIOA-2018-61-ABTCC-02	Mountain Area Workforce	
17.278	I	7,515	-	WIOA Dislocated Worker Formula Grants	WIOA-WBL-2018-61-ABTECH-01	Mountain Area Workforce	
17.278	I	42,036	-	WIOA Dislocated Worker Formula Grants	18-4030-49-1380	Region D	
17.278	I	150,000	-	WIOA Dislocated Worker Formula Grants	18-4031-49-1380	Region D	
17.278	I	1,861	-	WIOA Dislocated Worker Formula Grants	18-4030-40-6227-08	WAC	
		<u>92,376,043</u>	<u>61,700,686</u>	Total — WIOA Cluster — U. S. Department of Labor			
		<u>92,376,043</u>	<u>61,700,686</u>	Total —WIOA			

Other Programs:**U. S. Department of Agriculture**

10.001	D	122,965	-	Agricultural Research Basic and Applied Research			
10.025	D	2,099,281	-	Plant and Animal Disease, Pest Control, and Animal Care			
10.153	D	5,000	-	Market News			
10.163	D	268,051	-	Market Protection and Promotion			
10.168	D	104,710	-	Farmers Market Promotion Program			
10.170	D	1,036,855	-	Specialty Crop Block Grant Program - Farm Bill			
10.170	I	6,788	-	Specialty Crop Block Grant Program - Farm Bill	RC109247-NCSU	Michigan State University	
10.170	I	20,558	-	Specialty Crop Block Grant Program - Farm Bill	6059-NCSU-PDA-7029	Pennsylvania State Univ	
10.172	I	631	-	Local Food Promotion Program	T-12330	City of Greensboro	
10.178	D	12,889,669	-	SNAP-Ed Toolkit			
10.200	I	24,211	-	Grants for Agricultural Research, Special Research Grants	2017-2044	South Reg Aqua Ctr	
10.200	I	3,058	-	Grants for Agricultural Research, Special Research Grants	SRAC OYSTERS PROJECT	South Reg Aqua Ctr	
10.200	I	1,750	-	Grants for Agricultural Research, Special Research Grants	PO 1800575194	Univ Of Florida	
10.200	I	10,557	-	Grants for Agricultural Research, Special Research Grants	PO 1800632827	Univ Of Florida	
10.200	I	16,374	-	Grants for Agricultural Research, Special Research Grants	PO 1800632905	Univ Of Florida	
10.200	I	10,126	-	Grants for Agricultural Research, Special Research Grants	PO 1800632907	Univ Of Florida	
10.200	I	33,644	-	Grants for Agricultural Research, Special Research Grants	PO 1900663647	Univ Of Florida	
10.200	I	145,348	-	Grants for Agricultural Research, Special Research Grants	PO 6015-1800574470	Univ Of Florida	
10.200	I	16,857	-	Grants for Agricultural Research, Special Research Grants	PO 6015-1800575093	Univ Of Florida	
10.200	I	13,781	-	Grants for Agricultural Research, Special Research Grants	PO# 1800574487	Univ Of Florida	
10.200	I	7,949	-	Grants for Agricultural Research, Special Research Grants	PO# 1800574575	Univ Of Florida	
10.200	I	16,308	-	Grants for Agricultural Research, Special Research Grants	PO# 1800575092	Univ Of Florida	
10.200	I	76,280	-	Grants for Agricultural Research, Special Research Grants	Subaward# UMS-1060	Univ Of Maine	
10.202	D	848,213	-	Cooperative Forestry Research			
10.203	D	325,896	-	Payments to Agricultural Experiment Stations Under the Hatch Act			
10.206	D	8,074,613	67,209	Grants for Agricultural Research Competitive Research Grants			
10.207	D	90,958	-	Animal Health and Disease Research			
10.210	D	208,963	5,691	Higher Education - Graduate Fellowships Grant Program			
10.212	I	(15,158)	-	Small Business Innovation Research	2016-2154	Grafted Growers, Llc	
10.212	I	45,560	-	Small Business Innovation Research	3205-USDA-2S/NCSU	Luna Innovations, Inc	
10.212	I	969	-	Small Business Innovation Research	NDT-0001	Nanodiagnostic Technology, LLC	
10.215	I	5,000	-	Sustainable Agriculture Research and Education	2018-1065	Nc Found For Soil & Water	
10.215	I	6,492	-	Sustainable Agriculture Research and Education	RD309-144/S001686	Nc Found For Soil & Water	
10.215	I	571	-	Sustainable Agriculture Research and Education	Subaward #M1803789	Texas A&M Agrilife Research	
10.215	I	(3)	-	Sustainable Agriculture Research and Education	RD309-129/S000732	Univ Of Georgia	
10.215	I	45,733	-	Sustainable Agriculture Research and Education	RD309-137/S001468	Univ Of Georgia	
10.215	I	26,149	21,928	Sustainable Agriculture Research and Education	SUB00001099	Univ Of Georgia	
10.215	I	27,247	20,226	Sustainable Agriculture Research and Education	SUB00001404	Univ Of Georgia	
10.215	I	59,459	-	Sustainable Agriculture Research and Education	SUB00001421	Univ Of Georgia	
10.215	I	16,184	-	Sustainable Agriculture Research and Education	SUB00001772	Univ Of Georgia	
10.215	I	35,100	-	Sustainable Agriculture Research and Education	SUB00001888	Univ Of Georgia	
10.215	I	56,755	-	Sustainable Agriculture Research and Education	SUB00001414	Univ. Of Georgia	
10.215	I	4,503	-	Sustainable Agriculture Research and Education	SUB00001669	University of Georgia	
10.215	I	62,437	4,443	Sustainable Agriculture Research and Education	Subaward No: RD309-137/ S001432	University of Georgia	
10.216	D	377,931	-	1890 Institution Capacity Building Grants			
10.216	I	6,408	-	1890 Institution Capacity Building Grants	Subaward #:CANFVSU-13-011	Fort Valley State University	
10.216	I	257	-	1890 Institution Capacity Building Grants	332.77-19.0684	Tennessee State University	
10.216	I	8,092	-	1890 Institution Capacity Building Grants	36 12091 367 76190	Tuskegee University	
10.216	I	9,019	-	1890 Institution Capacity Building Grants	RD309-129/S000680	University of Georgia	
10.216	I	4,371	-	1890 Institution Capacity Building Grants	Subaward No: H007164301	University of Minnesota	

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10.216	I	11,679	-	1890 Institution Capacity Building Grants	R000018	Virginia State University	
10.217	D	105,485	-	Higher Education - Institution Challenge Grants Program			
10.217	I	9,211	-	Higher Education - Institution Challenge Grants Program	60039552	Ohio State Univ.	
10.217	I	2,254	-	Higher Education - Institution Challenge Grants Program	60039552	Ohio State University	
10.219	D	228,165	31,696	Biotechnology Risk Assessment Research			
10.219	I	11,439	-	Biotechnology Risk Assessment Research	M1800642	Texas A&M Univ.	
10.219	I	93,534	-	Biotechnology Risk Assessment Research	42992-Z5825001	Univ Of Maryland, College Park	
10.219	I	120,562	-	Biotechnology Risk Assessment Research	9500073429	Univ Of Tennessee	
10.220	D	60,495	-	Higher Education - Multicultural Scholars Grant Program			
10.225	I	200	-	Community Food Projects	Subaward No. 00005500	Third Sector New England, Inc.	
10.226	I	7,956	-	Secondary and Two-Year Postsecondary Agriculture Education Challenge Grants	AE1971-SB-850952	Univ Of Idaho	
10.250	D	118,703	-	Agricultural and Rural Economic Research, Cooperative Agreements and Collaborations			
10.253	D	13,180	12,227	Consumer Data and Nutrition Research			
10.290	D	29,294	8,012	Agricultural Market and Economic Research			
10.290	I	9,846	-	Agricultural Market and Economic Research	GTK737-SB-002	Univ Of Idaho	
10.303	D	22,023	-	Integrated Programs			
10.303	I	9,512	-	Integrated Programs	RC108966NCSU	Michigan State University	
10.303	I	28,328	-	Integrated Programs	UA AES 91147-03	University of Arkansas Fayetteville	
10.304	D	27,120	-	Homeland Security Agricultural			
10.304	I	6,664	-	Homeland Security Agricultural	RC106556C	Michigan State University	
10.304	I	36,811	-	Homeland Security Agricultural	UFDSP00011542 / P0019073	Univ Of Florida	
10.307	D	66,087	-	Organic Agriculture Research and Extension Initiative			
10.307	I	175	-	Organic Agriculture Research and Extension Initiative	2048-207-2012799	Clemson University	
10.307	I	17,894	-	Organic Agriculture Research and Extension Initiative	8000064229-AG	Purdue University	
10.307	I	28,987	-	Organic Agriculture Research and Extension Initiative	Subaward No: 8000064230-AG	Purdue University	
10.307	I	80,487	-	Organic Agriculture Research and Extension Initiative	36 22091 410 76190	Tuskegee University	
10.307	I	1,027	-	Organic Agriculture Research and Extension Initiative	SUB00000867	Univ Of Georgia	
10.307	I	41,327	-	Organic Agriculture Research and Extension Initiative	SUB00001846	Univ Of Georgia	
10.307	I	23,089	-	Organic Agriculture Research and Extension Initiative	SubawardNO: UFDSP00010998	University of Florida	
10.309	D	4,700,750	3,802,494	Specialty Crop Research Initiative			
10.309	I	83,508	-	Specialty Crop Research Initiative	79598-10780	Cornell University	
10.309	I	185,503	-	Specialty Crop Research Initiative	RC105573NCSU	Michigan State University	
10.309	I	159,210	-	Specialty Crop Research Initiative	RC107752C	Michigan State University	
10.309	I	3,464	-	Specialty Crop Research Initiative	06-M1703518	Texas A&M Univ.	
10.309	I	19,114	-	Specialty Crop Research Initiative	A18-0425-S003-P0671355	Univ Of Cal - Santa Cruz	
10.309	I	284,168	-	Specialty Crop Research Initiative	UFDSP00011195/00125051	Univ Of Florida	
10.309	I	27,645	-	Specialty Crop Research Initiative	SUB00000422	Univ Of Georgia	
10.310	D	1,658,901	444,347	Agriculture and Food Research Initiative (AFRI)			
10.310	I	54,303	-	Agriculture and Food Research Initiative (AFRI)	2027-207-2012546	Clemson University	
10.310	I	8,738	-	Agriculture and Food Research Initiative (AFRI)	RC108266ASU	Michigan State University	
10.310	I	21,611	-	Agriculture and Food Research Initiative (AFRI)	Subaward No:8000067017-AG	Purdue University	
10.310	I	14,231	-	Agriculture and Food Research Initiative (AFRI)	Subaward No: 32375SUB2507	The University of Vermont	
10.310	I	48,828	-	Agriculture and Food Research Initiative (AFRI)	3200000565-17-02_PO#7800003360	Univ of Kentucky Research Found	
10.310	I	8,267	-	Agriculture and Food Research Initiative (AFRI)	Z5775006	University of Maryland	
10.310	I	17,083	-	Agriculture and Food Research Initiative (AFRI)	SubawardNO: 17-044	University of New Hampshire	
10.310	I	4,764	-	Agriculture and Food Research Initiative (AFRI)	542K452	University of Wisconsin Madison	
10.311	D	128,067	-	Beginning Farmer and Rancher Development Program			
10.311	I	16,614	-	Beginning Farmer and Rancher Development Program	2017-1521	Orange County Part. For Youth	
10.311	I	19,976	-	Beginning Farmer and Rancher Development Program	2017-1680	S Appalachian Highland Conserv	
10.311	I	9,973	-	Beginning Farmer and Rancher Development Program	91161-03	University of Arkansas Fayetteville	
10.311	I	389	-	Beginning Farmer and Rancher Development Program	545943-19071	Virginia Polytech Inst.	
10.312	I	392,647	-	Biomass Research and Development Initiative Competitive Grants Program (BRDI)	PO#14951	Nc Biotechnology Ct	
10.319	I	4,306	-	Farm Business Management and Benchmarking Competitive Grants Program	Subaward No: 60584-Z5064201	University of Maryland	
10.320	I	16,839	-	Sun Grant Program	8500047866	Univ Of Tennessee	
10.320	I	49,458	-	Sun Grant Program	9500075672	Univ Of Tennessee	
10.320	I	39,884	-	Sun Grant Program	Subaward# 9500073588	Univ Of Tennessee	
10.328	I	4,742	-	National Food Safety Training, Education, Extension, Outreach, and Technical Assistance Competitive Grants Program	UFDSP00011138 / 00125142	Univ Of Florida	
10.328	I	14,442	-	National Food Safety Training, Education, Extension, Outreach, and Technical Assistance Competitive Grants Program	UFDSP00012322	Univ Of Florida	

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10.328	I	514	-	National Food Safety Training, Education, Extension, Outreach, and Technical Assistance Competitive Grants Program	UFDSP00012350 P0099377	Univ Of Florida	
10.328	I	26,863	-	National Food Safety Training, Education, Extension, Outreach, and Technical Assistance Competitive Grants Program	9500061989	Univ Of Tennessee	
10.328	I	39,465	-	National Food Safety Training, Education, Extension, Outreach, and Technical Assistance Competitive Grants Program	545954-19071	Virginia Polytech Inst.	
10.329	D	1,666,772	352,587	Crop Protection and Pest Management Competitive Grants Program			
10.329	I	33,932	-	Crop Protection and Pest Management Competitive Grants Program	1978-207-2012255	Clemson University	
10.329	I	1,134	-	Crop Protection and Pest Management Competitive Grants Program	SUB00000373	Univ Of Georgia	
10.330	I	2,278	-	Alfalfa and Forage Research Program	8500046909	Univ Of Tennessee	
10.336	D	37,135	-	Veterinary Services Grant Program			
10.435	D	101,901	-	State Mediation Grants			
10.443	D	196,320	56,986	Outreach and Assistance for Socially Disadvantaged and Veteran Farmers and Ranchers			
10.475	D	4,437,293	-	Cooperative Agreements with States for Intrastate Meat and Poultry Inspection			
10.479	D	69,818	-	Food Safety Cooperative Agreements			
10.500	D	2,130,065	33,125	Cooperative Extension Service			
10.500	I	8,027	-	Cooperative Extension Service	Subaward No: 5938-NCAT-UM-3501	Pennsylvania State University	
10.500	I	3,746	-	Cooperative Extension Service	31007-03/PO0053350	University of Arkansas	
10.533	D	68,691	-	SNAP-Ed Toolkit			
10.545	D	3,319	-	Farmers' Market Supplemental Nutrition Assistance Program Support Grants			
10.547	D	18,870	-	Professional Standards for School Nutrition Employees			
10.557	D	149,884,408	47,247,014	WIC Special Supplemental Nutrition Program for Women, Infants, and Children			
10.558	D	106,021,938	104,694,955	Child and Adult Care Food Program			
10.560	D	9,066,084	-	State Administrative Expenses for Child Nutrition			
10.572	D	115,041	-	WIC Farmers' Market Nutrition Program (FMNP)			
10.576	D	71,655	63,408	Senior Farmers Market Nutrition Program			
10.578	D	359,842	-	WIC Grants To States (WGS)			
10.579	D	704,853	704,853	Child Nutrition Discretionary Grants Limited Availability			
10.582	D	4,481,337	-	Fresh Fruit and Vegetable Program			
10.614	D	48,376	-	Scientific Cooperation Exchange Program with China			
10.614	I	102	-	Scientific Cooperation Exchange Program with China	C00062986-1	Univ Of Missouri - Columbia	
10.652	D	696,396	-	Forestry Research			
10.664	D	4,038,136	454,189	Cooperative Forestry Assistance			
10.674	D	97,301	-	Wood Utilization Assistance			
10.675	D	5,364	-	Urban and Community Forestry Program			
10.676	D	124,257	-	Forest Legacy Program			
10.678	D	50,277	-	Forest Stewardship Program			
10.680	D	555,505	20,000	Forest Health Protection			
10.683	D	34,479	-	National Fish and Wildlife Foundation			
10.684	D	17,150	-	International Forestry Programs			
10.691	D	4,975	-	Good Neighbor Authority			
10.699	D	1,265,198	-	Partnership Agreements			
10.762	D	26,128	-	Solid Waste Management Grants			
10.771	D	40,789	15,061	Rural Cooperative Development Grants			
10.777	D	58,195	-	Norman E. Borlaug International Agricultural Science and Technology Fellowship			
10.855	D	432,514	-	Distance Learning and Telemedicine Loans and Grants			
10.868	D	1,249	-	Rural Energy for America Program			
10.890	I	3,004	-	Rural Development Cooperative Agreement Program	018000.340677.06	Mississippi State Univ	
10.902	D	802,474	-	Soil and Water Conservation			
10.903	D	108,601	-	Soil Survey			
10.912	D	464,408	190,692	Environmental Quality Incentives Program			
10.912	I	26,858	-	Environmental Quality Incentives Program	68-F352-17-265	Puerto Rico Nrcs	
10.960	D	4	-	Technical Agricultural Assistance			
10.960	I	14,636	-	Technical Agricultural Assistance	2019-0868	Nappo	
10.961	D	30,257	8,018	Scientific Cooperation and Research			
10.962	D	362,530	-	Cochran Fellowship Program-International Training-Foreign Participant			
10.U01	D	649,521	-	U. S. Department of Agriculture			Phytosanitary Fees
10.U02	D	1,579	-	U. S. Department of Agriculture			G-240878
10.U03	D	6,637	-	U. S. Department of Agriculture			G-240879
10.U04	I	2,644	-	U. S. Department of Agriculture	2019-0897	Vebcog	2019-0897

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10.U05	D	9,562	-	U. S. Department of Agriculture			Oral History Reunion at the Cradle Development and Oper. of the We
10.U06	D	18,762	-	U. S. Department of Agriculture			
		<u>326,020,598</u>	<u>158,259,161</u>	Total — Other Programs — U. S. Department of Agriculture			
U. S. Department of Commerce							
11.008	I	7,376	-	NOAA Mission-Related Education Awards	SA 19 17	Consortium for Ocean Leadership Inc	
11.012	I	397,219	89,098	Integrated Ocean Observing System (IOOS)	10OS.16(028)UNCW.LL.OBS.1	SECOORA	
11.012	I	1,943	-	Integrated Ocean Observing System (IOOS)	IOOS.16(28)UNCW.JD.PRO.1	SECOORA	
11.012	I	5,687	-	Integrated Ocean Observing System (IOOS)	IOOS.16(028)NCSU.RH.GLD.1	Secoora	
11.012	I	196,215	-	Integrated Ocean Observing System (IOOS)	IOOS.16(028)NCSU.RH.MOD.1	Secoora	
11.020	D	182,367	-	Cluster Grants			
11.303	D	253,993	-	Economic Development Technical Assistance			
11.313	I	9,552	-	Trade Adjustment Assistance for Firms	T8708-S756	University System Of Georgia	
11.407	D	52,289	-	Interjurisdictional Fisheries Act of 1986			
11.417	D	1,286,052	668,813	Sea Grant Support			
11.417	I	5,969	-	Sea Grant Support	USM-8006110-01	Univ Of Southern Mississippi	
11.417	I	18,881	-	Sea Grant Support	2018-2019-001	Universidad De Puerto Rico Colegio Universitario Ponce	
11.417	I	36,526	-	Sea Grant Support	2017-2018-012	University of Puerto Rico	
11.419	D	2,792,653	-	Coastal Zone Management Administration Awards			
11.419	I	226,548	9,495	Coastal Zone Management Administration Awards	3004278672	The University of Michigan	
11.420	D	784,964	-	Coastal Zone Management Estuarine Research Reserves			
11.427	D	201,077	-	Fisheries Development and Utilization Research and Development Grants and Cooperative Agreements Program			
11.431	D	138,259	-	Climate and Atmospheric Research			
11.431	I	2,143	-	Climate and Atmospheric Research	GSXXFFXYS	Harmonic International	
11.431	I	30,946	-	Climate and Atmospheric Research	64697	National Fish & Wildlife Frnd	
11.431	I	17,211	15,300	Climate and Atmospheric Research	R/ECC-01C(YR2); NA15OAR 4310111	SC Sea Grant Consortium	
11.431	I	15,149	-	Climate and Atmospheric Research	18-3399	Univ Of South Carolina	
11.431	I	10,864	-	Climate and Atmospheric Research	19-3819	Univ Of South Carolina	
11.432	I	209,171	-	National Oceanic and Atmospheric Administration (NOAA) Cooperative Institutes	URJ58	Florida Atlantic University	
11.432	I	5,188,458	758,422	National Oceanic and Atmospheric Administration (NOAA) Cooperative Institutes	13342-Z7812001	Univ Of Maryland, College Park	
11.432	I	792	-	National Oceanic and Atmospheric Administration (NOAA) Cooperative Institutes	3003712268	Univ Of Michigan	
11.435	D	69,370	-	Southeast Area Monitoring and Assessment Program			
11.439	D	171,904	-	Marine Mammal Data Program			
11.454	D	33,180	-	Unallied Management Projects			
11.459	D	15,740	-	Weather and Air Quality Research			
11.459	I	36,048	-	Weather and Air Quality Research	NA18OAR4590365	Nurture Nature Ctr	
11.463	D	31,522	-	Habitat Conservation			
11.468	D	276,494	53,481	Applied Meteorological Research			
11.468	I	156,967	-	Applied Meteorological Research	TASK ORDER#2018-2960	Synoptic Data	
11.469	D	180	-	Congressionally Identified Awards and Projects			
11.472	D	33,247	-	Unallied Science Program			
11.472	I	48,306	-	Unallied Science Program	A70-01	North Pacific Research Board	
11.474	D	174,570	-	Atlantic Coastal Fisheries Cooperative Management Act			
11.474	I	36,081	1,183	Atlantic Coastal Fisheries Cooperative Management Act	18-501	Asmfc	
11.474	I	29,980	-	Atlantic Coastal Fisheries Cooperative Management Act	17-1201	Atlantic States Marine Fisheries Commission	
11.474	I	56,597	-	Atlantic Coastal Fisheries Cooperative Management Act	RESTORATION-NOAA-2018-01	Southeastern Assn of Fish and Wildlife Agencies	
11.478	D	133,446	-	Center for Sponsored Coastal Ocean Research Coastal Ocean Program			
11.482	D	36,847	-	Coral Reef Conservation Program			
11.549	D	3,215	-	State and Local Implementation Grant Program			
11.609	D	593,882	186,051	Measurement and Engineering Research and Standards			
11.611	D	3,669,124	885,241	Manufacturing Extension Partnership			
11.611	I	76,898	-	Manufacturing Extension Partnership	70NANB17H304-DEMEP001	Delaware Tech Cc	
11.619	D	45,686	-	Arrangements for Interdisciplinary Research Infrastructure			
11.619	I	480,008	-	Arrangements for Interdisciplinary Research Infrastructure	NIIMBLSP1.0-2 GENETHERAPY	Niimbl - Univ Of Delaware	
11.619	I	47,455	-	Arrangements for Interdisciplinary Research Infrastructure	PC1.0-3	Niimbl - Univ Of Delaware	
11.619	I	18,605	-	Arrangements for Interdisciplinary Research Infrastructure	PC2.1-038	Niimbl - Univ Of Delaware	
11.619	I	190,721	-	Arrangements for Interdisciplinary Research Infrastructure	SP1.0-1 SPIDER	Niimbl - Univ Of Delaware	
11.619	I	739,562	-	Arrangements for Interdisciplinary Research Infrastructure	Subaward# 45781	Niimbl - Univ Of Delaware	
11.619	I	57,230	-	Arrangements for Interdisciplinary Research Infrastructure	52888 (SP2.0-005)	Niimbl-Univ Of Delaware	
11.619	I	93,364	-	Arrangements for Interdisciplinary Research Infrastructure	PROJECT ID PC 1 0-10	University of Delaware	

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11.620	D	7,259	-	Science, Technology, Business and/or Education Outreach			
11.999	D	168,358	-	Marine Debris Program			
11.U01	I	12,435	-	U. S. Department of Commerce	PO#2000030024 13540-FB40	Univ Of South Carolina	NA16OAR4310163
		<u>19,616,585</u>	<u>2,667,084</u>	Total — Other Programs — U. S. Department of Commerce			
U. S. Department of Defense							
12.002	D	424,776	-	Procurement Technical Assistance For Business Firms			
12.002	I	3,862	-	Procurement Technical Assistance For Business Firms	UNC-C 2017 - 2 (DLA)	Small Business and Technology Development Center	
12.002	I	26,625	-	Procurement Technical Assistance For Business Firms	UNC-C 2018-2 (DLA)	Small Business and Technology Development Center	
12.300	D	3,353,674	625,138	Basic and Applied Scientific Research			
12.300	I	14,655	-	Basic and Applied Scientific Research	17019F-501	Blue Ridge Rsc & Consulting	
12.300	I	18,378	-	Basic and Applied Scientific Research	BL4311001NCAT	Indiana University at Indianapolis	
12.300	I	28,894	-	Basic and Applied Scientific Research	421-23-03A	Iowa State University	
12.300	I	42,263	-	Basic and Applied Scientific Research	503365-78050	Northeastern University	
12.300	I	66,097	-	Basic and Applied Scientific Research	406300 SUB1	The Catholic University of America	
12.335	D	164,092	-	Navy Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance			
12.351	D	142,066	21,790	Scientific Research - Combating Weapons of Mass Destruction			
12.351	I	102,974	-	Scientific Research - Combating Weapons of Mass Destruction	RF577-G2	Board Reg Univ System Georgia	
12.351	I	63,069	-	Scientific Research - Combating Weapons of Mass Destruction	X0214A-B	Oregon State Univ.	
12.351	I	71,014	-	Scientific Research - Combating Weapons of Mass Destruction	UNIV59846	Vanderbilt University	
12.355	D	205,360	-	Pest Management and Vector Control Research			
12.357	I	169,865	-	ROTC Language and Culture Training Grants	PGO1801-NCSU-12-PGO-051-P	Institute Of Int'L Education	
12.360	D	74,646	-	Research on Chemical and Biological Defense			
12.360	I	316,115	-	Research on Chemical and Biological Defense	W911NF1220022	The John Hopkins University	
12.401	D	29,796,557	-	National Guard Military Operations and Maintenance (O&M) Projects			
12.404	D	6,805,677	-	National Guard ChalleNGe Program			
12.420	D	607,439	84,383	Military Medical Research and Development			
12.420	I	65,772	-	Military Medical Research and Development	7137164	Rhode Island Hospital	
12.420	I	189,718	-	Military Medical Research and Development	GG12011 154266	Univ Of Virginia	
12.420	I	26,038	-	Military Medical Research and Development	C16J12325 (J00246)	Yale University	
12.420	I	70,314	-	Military Medical Research and Development	GK000274 (CON-80000078)	Yale University	
12.431	D	6,055,250	1,120,474	Basic Scientific Research			
12.431	I	46,427	-	Basic Scientific Research	X16-8327-NCSU	Nat'L Inst. Of Aerospace	
12.431	I	180,763	-	Basic Scientific Research	0160 G UA560	Univ Of California-Los Angeles	
12.431	I	19,954	-	Basic Scientific Research	18-012	Univ Of New Hampshire	
12.431	I	86,285	-	Basic Scientific Research	10593502	Univ Of Southern Cal	
12.431	I	50,919	-	Basic Scientific Research	UFDSP00012222/ PO0088902	University of Florida	
12.556	I	34,831	-	Competitive Grants: Promoting K-12 Student Achievement at Military-Connected Schools	A16-0138	Wayne County Public Schools	
12.579	I	395,520	-	Language Training Center	#2603-NCSU-6-LTC-052-PO6	Institute Of Int'L Education	
12.617	D	852,803	130,207	Economic Adjustment Assistance for State Governments			
12.630	D	2,843,662	227,432	Basic, Applied, and Advanced Research in Science and Engineering			
12.630	I	69,777	-	Basic, Applied, and Advanced Research in Science and Engineering	002	Affoa	
12.630	I	69,277	-	Basic, Applied, and Advanced Research in Science and Engineering	004	Affoa	
12.630	I	5,040	-	Basic, Applied, and Advanced Research in Science and Engineering	T0018	Armi	
12.630	I	65,569	27,550	Basic, Applied, and Advanced Research in Science and Engineering	PO# US001-0000-744993	Battelle Memorial Institute	
12.630	I	(651)	-	Basic, Applied, and Advanced Research in Science and Engineering	15-16-08 / 0220160017	Dmdii	
12.630	I	28,384	-	Basic, Applied, and Advanced Research in Science and Engineering	D01-W911SR-14-2-0001-0028	MSI STEM Research & Development Consortium (MSRDC)	
12.630	I	273,729	-	Basic, Applied, and Advanced Research in Science and Engineering	W911SR-14-0001, D01-W911SR- 14-2-0001-0024; D01-W911SR- 14-2-0001-0029	MSI STEM Research & Development; Department of Defense	
12.630	I	17,041	-	Basic, Applied, and Advanced Research in Science and Engineering	19-871-022	National Science Teachers Association	
12.632	I	11,604	-	Legacy Resource Management Program	E18-91	U.S. Endow For Forest & Comm.	
12.632	I	38,152	-	Legacy Resource Management Program	775K460	University of Wisconsin Board of Regents	
12.740	I	81,383	61,018	Past Conflict Accounting	4790; PO# 960893	Henry M Jackson Foundation	
12.740	I	91,286	-	Past Conflict Accounting	4853 PO969333	Henry M Jackson Foundation	
12.750	I	30,565	-	Uniformed Services University Medical Research Projects	3967 (PO #916153)	Henry M. Jackson Foundation	
12.800	D	2,846,168	133,012	Air Force Defense Research Sciences Program			
12.800	I	(57)	-	Air Force Defense Research Sciences Program	800002123-02	Florida Int'L Univ.	
12.800	I	15,085	-	Air Force Defense Research Sciences Program	X16-9280-NCSU	Nat'L Inst. Of Aerospace	
12.800	I	150,503	-	Air Force Defense Research Sciences Program	5011-NCSU-AFOSR-0067	Pennsylvania State Univ	

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)

For the Fiscal Year Ended June 30, 2019

Federal CFDA Number	Direct / Indirect	Program Expenditures	Amount Provided to Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
12.800	I	8,364	-	Air Force Defense Research Sciences Program	TS19-16-18-001	Taitech, Inc.	
12.800	I	78,460	-	Air Force Defense Research Sciences Program	085341-16309	Univ Of Illinois- Urbana	
12.900	D	93,142	-	Language Grant Program			
12.901	D	325,269	-	Mathematical Sciences Grants			
12.901	I	15,517	-	Mathematical Sciences Grants	19-001	Elon University	
12.902	D	6,451,728	2,537,452	Information Security Grants			
12.903	D	176,446	-	GenCyber Grants Program			
12.905	D	161,341	21,874	CyberSecurity Core Curriculum			
12.905	I	35,284	-	CyberSecurity Core Curriculum	Subaward No:A18-0372-S001	University of Tennessee at Chattanooga	
12.910	D	3,537,648	2,120,715	Research and Technology Development			
12.910	I	71,193	-	Research and Technology Development	ASUB00000246	Arizona State Univ.	
12.910	I	307,837	-	Research and Technology Development	HR0011728276	Massachusetts General Hospital	
12.910	I	48,125	-	Research and Technology Development	60060483	Ohio State Univ.	
12.910	I	816,165	-	Research and Technology Development	60066428	Ohio State Univ.	
12.910	I	215,386	-	Research and Technology Development	60066428 PO# RF01539663	Ohio State Univ.	
12.910	I	80,967	-	Research and Technology Development	2016-2194	Profusa, Inc.	
12.910	I	190,941	-	Research and Technology Development	W911NF-16-1-0341	Profusa, Inc.	
12.910	I	6,516	-	Research and Technology Development	SUB00001729	Univ Of Florida	
12.910	I	68,215	-	Research and Technology Development	PO# 4206496155	University of Tennessee	
12.U01	D	1,434,252	-	U. S. Department of Defense			#DCBR-CA-10
12.U02	D	103,507	-	U. S. Department of Defense			2019- Troops to Teachers
12.U03	D	14,977	-	U. S. Department of Defense			G-210212
12.U04	D	245	-	U. S. Department of Defense			G-210222
12.U05	I	2,335	-	U. S. Department of Defense	PO18-01191	Applied Research Assoc. (Ara)	PO18-01191
12.U06	I	29,993	-	U. S. Department of Defense	1486	Small Business Group, Inc.	W912HN-12-D-0024
12.U07	D	8,803	-	U. S. Department of Defense			2017-0658
12.U08	D	25,509	-	U. S. Department of Defense			2005-0881
12.U09	I	37,894	-	U. S. Department of Defense	16246083-05	Univ Of Central Florida	HR001117S0018
12.U10	I	9,898	-	U. S. Department of Defense	TSC-1077-40066	Technology Services Corporation	Development of Rapid Innovation Pro
12.U11	D	274,764	-	U. S. Department of Defense			Program Mngr in Defense Sciences
12.U12	I	120,273	-	U. S. Department of Defense	2975-2016-0612	Rochester Precision Optics, LLC	STTR: Mid_IR Optic Development
12.U13	I	96,334	-	U. S. Department of Defense	PO2003292859/96016927 CLIN 6	Johns Hopkins University	MEDE CRA PRI
12.U14	I	1,005	-	U. S. Department of Defense	PO# R20204-0005	Zapata Inc	Turner AFB Groundwater Model
12.U15	I	83,946	-	U. S. Department of Defense	PO# 1516925	Boeing Company	Affordable Machining Components
12.U16	I	30,026	-	U. S. Department of Defense	1316.GS.UNCC.17.01	TDA Research, Inc.	Rewarming Solutions - Cryopreserved
12.U17	I	9,000	-	U. S. Department of Defense	16246083-03	University of Central Florida	Phase Filter Design Study
12.U18	I	299,037	-	U. S. Department of Defense	2975-2017-0678	IRflex Corporation	Visual Analytics on the spread of P
12.U19	I	85,030	-	U. S. Department of Defense	PO #8000-00112364	Rolls-Royce, PLC	Information Spread and Evolution in
12.U20	I	145,715	-	U. S. Department of Defense	S-001000	University of California, Riverside	STTR: Development of optical fibers
12.U21	I	57,543	-	U. S. Department of Defense	P010214138	Leidos Holdings, Inc	Optimization Tools for Machining
12.U22	I	63,259	-	U. S. Department of Defense	TSC-1190-60000/PO#205402	Technology Services Corporation	Treatment of PFAS from Waste
12.U23	D	21,294	-	U. S. Department of Defense			EO-CHIL Task Order 01
12.U24	D	19,600	-	U. S. Department of Defense			Air Force University Engineering
12.U25	I	16,553	-	U. S. Department of Defense	2975-2018-0811	Nanohmics, Inc.	Secure Coding Workshop
12.U26	I	74,922	-	U. S. Department of Defense	2975-2018-0900	CDM Smith	Secure Coding Workshop- Participant Stipends
12.U27	I	37,667	-	U. S. Department of Defense	Dated 08/01/2018	Hyperion Technology Group, Inc.	STTR: IR Scatter of nonlinear optic
12.U28	I	600	-	U. S. Department of Defense	19-12-82709	Research Foundation of SUNY	Adsorbable Flourine Contents
12.U29	I	61,526	-	U. S. Department of Defense	598094-78050	Northeastern University	CERDEC Energy Mgmt Sys Tech Sup
12.U30	I	170,569	-	U. S. Department of Defense	M67854-17-C-6509	Nanohmics, Inc.	PANACEA: Social Engineer Attacks
12.U31	I	14,506	-	U. S. Department of Defense	S19001	MZA Associates Corporation	Advancing Warfighter Technologies
12.U32	I	18,884	-	U. S. Department of Defense	2975-18-0208	NuSpot Technologies, LLC	Light Secure, See-Through Display
12.U33	D	22,738	-	U. S. Department of Defense			STTR: Semi-Analytic Fresnel Prop
		<u>73,289,957</u>	<u>7,111,044</u>	Total — Other Programs — U. S. Department of Defense			

U. S. Department of Housing and Urban Development

14.171	D	76,282	-	Manufactured Home Dispute Resolution			
14.228	D	56,048,597	53,022,378	Community Development Block Grants/State's program and Non-Entitlement Grants in Hawaii			
14.231	D	5,316,150	4,973,340	Emergency Solutions Grant Program			
14.241	D	2,020,608	436,656	Housing Opportunities for Persons with AIDS			

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)

For the Fiscal Year Ended June 30, 2019

Federal			Amount				
CFDA	Direct /	Program	Provided to	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
Number	Indirect	Expenditures	Subrecipients				
14.401	D	102,845	-	Fair Housing Assistance Program State and Local			
14.900	I	28,048	-	Lead-Based Paint Hazard Control in Privately-Owned Housing	T-14816	City of Greensboro	
		<u>63,592,530</u>	<u>58,432,374</u>	Total — Other Programs — U. S. Department of Housing and Urban Development			
<u>U. S. Department of Interior</u>							
15.232	D	129,924	-	Wildland Fire Research and Studies			
15.423	D	823,349	736,293	Bureau of Ocean Energy Management (BOEM) Environmental Studies (ES)			
15.424	D	101,505	13,500	Marine Minerals Activities			
15.424	I	9,523	-	Marine Minerals Activities	SCDNR FY 2017-014; M14AC00012	South Carolina Dept of Nat Resources	
15.506	D	77,351	41,227	Water Desalination Research and Development			
15.608	D	148,507	-	Fish and Wildlife Management Assistance			
15.614	D	1,842,075	-	Coastal Wetlands Planning, Protection and Restoration			
15.615	D	338,213	47,652	Cooperative Endangered Species Conservation Fund			
15.616	D	70,817	45,183	Clean Vessel Act			
15.626	D	170,878	-	Enhanced Hunter Education and Safety			
15.628	D	63,413	9,006	Multistate Conservation Grant			
15.630	D	20,496	-	Coastal			
15.634	D	1,607,369	90,013	State Wildlife Grants			
15.650	D	59,315	6,731	Research Grants (Generic)			
15.654	D	19,670	-	National Wildlife Refuge System Enhancements			
15.657	D	128,577	55,213	Endangered Species Conservation - Recovery Implementation Funds			
15.663	D	3,998	-	National Fish and Wildlife Foundation			
15.663	I	203,180	-	National Fish and Wildlife Foundation	8020.16.054141	Nat'L Fish & Wildlife Found.	
15.663	I	48,323	41,769	National Fish and Wildlife Foundation	0104.18.058866	National Fish and Wildlife Foundation	
15.669	D	14,687	-	Cooperative Landscape Conservation			
15.670	D	64,796	23,926	Adaptive Science			
15.674	D	599	-	National Fire Plan-Wildland Urban Interface Community Fire Assistance			
15.678	D	147,309	-	Cooperative Ecosystem Studies Units			
15.805	D	67,992	60,623	Assistance to State Water Resources Research Institutes			
15.807	D	40,581	-	Earthquake Hazards Program Assistance			
15.808	D	527,849	-	U.S. Geological Survey Research and Data Collection			
15.810	D	39,154	-	National Cooperative Geologic Mapping			
15.812	D	742,043	-	Cooperative Research Units			
15.814	D	21,439	-	National Geological and Geophysical Data Preservation			
15.815	I	11,630	-	National Land Remote Sensing Education Outreach and Research	AV18-NC-01	AmericaView	
15.817	D	500,000	-	National Geospatial Program: Building The National Map			
15.820	D	1,153,943	318,747	National and Regional Climate Adaptation Science Centers			
15.904	D	986,497	207,400	Historic Preservation Fund Grants-In-Aid			
15.916	D	160,871	-	Outdoor Recreation Acquisition, Development and Planning			
15.923	D	15,255	-	National Center for Preservation Technology and Training			
15.925	D	200,000	-	National Maritime Heritage Grants			
15.931	D	17,718	-	Conservation Activities by Youth Service Organizations			
15.945	D	739,308	24,685	Cooperative Research and Training Programs - Resources of the National Park System			
15.954	D	6,117	-	National Park Service Conservation, Protection, Outreach, and Education			
		<u>11,324,271</u>	<u>1,721,968</u>	Total — Other Programs — U. S. Department of Interior			
<u>U. S. Department of Justice</u>							
16.017	D	322,459	322,459	Sexual Assault Services Formula Program			
16.026	I	59,348	-	OVW Research and Evaluation Program	F-FY17-62-2727	Center For Court Innovations	
16.123	I	7,578	-	Community-Based Violence Prevention Program	F-205848	City of Fayetteville	
16.525	D	274,110	-	Grants to Reduce Domestic Violence, Dating Violence, Sexual Assault, and Stalking on Campus			
16.540	D	683,930	530,480	Juvenile Justice and Delinquency Prevention			
16.543	D	754,713	-	Missing Children's Assistance			
16.554	D	111,388	-	National Criminal History Improvement Program (NCHIP)			
16.560	D	423,877	93,623	National Institute of Justice Research, Evaluation, and Development Project Grants			
16.560	I	16,907	-	National Institute of Justice Research, Evaluation, and Development Project Grants	5-321-0215513-52954L	Rti International	
16.560	I	20,366	-	National Institute of Justice Research, Evaluation, and Development Project Grants	SUB# 573344 PO#4103872	Univ Of Pennsylvania	
16.560	I	90,311	-	National Institute of Justice Research, Evaluation, and Development Project Grants	18-3675	Univ Of South Carolina	
16.560	I	6,468	-	National Institute of Justice Research, Evaluation, and Development Project Grants	131506-G003990	Washington State University	
16.562	D	42,289	-	Criminal Justice Research and Development Graduate Research Fellowships			
16.575	D	53,608,550	36,264,572	Crime Victim Assistance			

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)

For the Fiscal Year Ended June 30, 2019

Federal	Direct /	Program	Amount					
CFDA	Indirect	Expenditures	Provided to	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information	
Number			Subrecipients					
16.576	D	2,955,657	2,712,744	Crime Victim Compensation				
16.582	D	159,152	115,644	Crime Victim Assistance/Discretionary Grants				
16.585	D	116,118	-	Drug Court Discretionary Grant Program				
16.585	I	117,752	-	Drug Court Discretionary Grant Program	2016-DC-BX-0020	Harnett County		
16.588	D	3,680,698	2,356,330	Violence Against Women Formula Grants				
16.590	D	204,546	-	Grants to Encourage Arrest Policies and Enforcement of Protection Orders Program				
16.590	I	101,595	-	Grants to Encourage Arrest Policies and Enforcement of Protection Orders Program	2017-WE-AX-0026	Haywood County		
16.590	I	162,813	-	Grants to Encourage Arrest Policies and Enforcement of Protection Orders Program	A16-0190-001	Pitt County		
16.590	I	35,084	-	Grants to Encourage Arrest Policies and Enforcement of Protection Orders Program	A16-0190-003	Pitt County		
16.593	D	111,106	-	Residential Substance Abuse Treatment for State Prisoners				
16.606	D	2,016,157	-	State Criminal Alien Assistance Program				
16.609	I	9,636	-	Project Safe Neighborhoods	Contract#2017-5010	Greensboro Police Department		
16.710	D	87,495	-	Public Safety Partnership and Community Policing Grants				
16.738	D	1,902,916	617,453	Edward Byrne Memorial Justice Assistance Grant Program				
16.741	D	451,705	-	DNA Backlog Reduction Program				
16.742	D	239,274	-	Paul Coverdell Forensic Sciences Improvement Grant Program				
16.750	D	114,508	-	Support for Adam Walsh Act Implementation Grant Program				
16.751	D	70,612	-	Edward Byrne Memorial Competitive Grant Program				
16.752	D	221,727	-	Economic, High-Tech, and Cyber Crime Prevention				
16.756	I	31,000	-	Court Appointed Special Advocates	NC10922-18-1018C	National CASA Association		
16.758	I	4,094	-	Improving the Investigation and Prosecution of Child Abuse and the Regional and Local Children's Advocacy Centers	GREEN-NC-SA18	Childrens Advocacy Ctr of NC Inc		
16.812	D	401,618	-	Second Chance Act Reentry Initiative				
16.816	D	42,318	42,318	John R. Justice Prosecutors and Defenders Incentive Act				
16.820	D	249,775	-	Postconviction Testing of DNA Evidence				
16.827	D	668,573	-	Justice Reinvestment Initiative				
16.830	D	108,810	-	Girls in the Juvenile Justice System				
16.833	D	19,921	-	National Sexual Assault Kit Initiative				
16.836	D	3,496	-	Indigent Defense				
16.838	I	7,615	-	Comprehensive Opioid Abuse Site-Based Program	Contract # 34582191	Mecklenburg County		
16.922	D	1,569,596	-	Equitable Sharing Program				
16.U01	D	141,381	123,119	U. S. Department of Justice				G-270125
16.U02	I	(3,665)	-	U. S. Department of Justice	13-321-0215513-65112L	Rti International		2016-MU-BX-K110
		<u>72,425,377</u>	<u>43,178,742</u>	Total — Other Programs — U. S. Department of Justice				
<u>U. S. Department of Labor</u>								
17.002	D	1,412,421	-	Labor Force Statistics				
17.005	D	173,302	-	Compensation and Working Conditions				
17.201	D	334,828	270,605	Registered Apprenticeship				
17.225	D	248,756,768	-	Unemployment Insurance				
17.235	D	2,044,160	1,956,631	Senior Community Service Employment Program				
17.235	I	34,959	-	Senior Community Service Employment Program	1718-348	Senior Service America		
17.245	D	3,202,625	-	Trade Adjustment Assistance				
17.265	D	263,953	55,007	Native American Employment and Training				
17.268	D	1,833,889	601,947	H-1B Job Training Grants				
17.271	D	565,984	-	Work Opportunity Tax Credit Program (WOTC)				
17.273	D	291,804	-	Temporary Labor Certification for Foreign Workers				
17.274	D	39,866	-	YouthBuild				
17.277	D	7,887,117	7,405,792	WIOA National Dislocated Worker Grants / WIA National Emergency Grants				
17.281	D	2,340,083	-	WIOA Dislocated Worker National Reserve Technical Assistance and Training				
17.281	I	308,645	-	WIOA Dislocated Worker National Reserve Technical Assistance and Training	0-2031-33	Cape Fear COG		
17.282	D	100,634	-	Trade Adjustment Assistance Community College and Career Training (TAACCTT) Grants				
17.285	D	121,766	121,766	Apprenticeship USA Grants				
17.502	D	214,900	-	Occupational Safety and Health Susan Harwood Training Grants				
17.503	D	6,079,913	-	Occupational Safety and Health State Program				
17.504	D	1,693,218	-	Consultation Agreements				
17.600	D	145,123	-	Mine Health and Safety Grants				
17.U01	D	11	-	U. S. Department of Labor				G-270121
17.U02	D	3,207	-	U. S. Department of Labor				WIOA Finish Line Grant
		<u>277,849,176</u>	<u>10,411,748</u>	Total — Other Programs — U. S. Department of Labor				

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)

For the Fiscal Year Ended June 30, 2019

Federal CFDA Number	Direct / Indirect	Program Expenditures	Amount Provided to Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
U. S. Department of State							
19.009	D	2,473	-	Academic Exchange Programs - Undergraduate Programs			
19.009	I	83,721	-	Academic Exchange Programs - Undergraduate Programs	FY18-YALI-CL-APP-03	IREX	
19.009	I	16,448	-	Academic Exchange Programs - Undergraduate Programs	FY18-YALI-CL-APP-04	IREX	
19.009	I	26,443	11,756	Academic Exchange Programs - Undergraduate Programs	CBG-2016-R2-06	Partners Of The American Found	
19.015	I	162,565	-	Cultural, Technical and Educational Centers	S-ECAGD-17-CA-1053-UNCC-200389	American Councils for International Education	
19.040	I	(108)	-	Public Diplomacy Programs	100K-292COL-3	Partners Of The American Found	
19.040	I	(250)	-	Public Diplomacy Programs	100K-292COL-3	Partners Of The Americas Found	
19.040	I	23,921	-	Public Diplomacy Programs	100K-257ARG-02	Partners of the Americas, Inc	
19.400	I	20,864	-	Academic Exchange Programs - Graduate Students	20320-19	Amideast	
19.401	I	56,585	-	Academic Exchange Programs - Scholars	0690-NorthCarolinaStateUn	Institute Of Int'L Education	
19.401	I	64,680	-	Academic Exchange Programs - Scholars	FS17-NCSU-JFDP	Institute Of Int'L Education	
19.408	D	179,224	-	Academic Exchange Programs - Teachers			
19.408	I	169,536	-	Academic Exchange Programs - Teachers	FY19-TEA-ASU-01	IREX	
19.501	D	99,149	5,689	Public Diplomacy Programs for Afghanistan and Pakistan			
19.901	I	37,563	-	Export Control and Related Border Security	FSCX-17-63351-0	U.S. Civilian Research and Development Foundation	
		<u>942,814</u>	<u>17,445</u>	Total — Other Programs — U. S. Department of State			
U. S. Department of Transportation							
20.106	D	21,567,695	21,476,005	Airport Improvement Program			
20.200	D	309,275	1,017	Highway Research and Development Program			
20.200	I	3,345	-	Highway Research and Development Program	G-91279-02	Colorado State Univ.	
20.215	D	226,355	-	Highway Training and Education			
20.218	D	7,903,036	-	Motor Carrier Safety Assistance			
20.231	D	289,201	-	Performance and Registration Information Systems Management			
20.232	D	42,986	-	Commercial Driver's License Program Implementation Grant			
20.235	D	8,769	-	Commercial Motor Vehicle Operator Safety Training Grants			
20.237	D	243,209	-	Motor Carrier Safety Assistance High Priority Activities Grants and Cooperative Agreements			
20.314	D	687,347	-	Railroad Development			
20.319	D	2,429,809	-	High-Speed Rail Corridors and Intercity Passenger Rail Service - Capital Assistance Grants			
20.505	D	1,781,761	1,695,984	Metropolitan Transportation Planning and State and Non-Metropolitan Planning and Research			
20.509	D	29,023,610	26,961,938	Formula Grants for Rural Areas			
20.527	D	177,381	177,381	Public Transportation Emergency Relief Program			
20.528	D	431,064	-	Rail Fixed Guideway Public Transportation System State Safety Oversight Formula Grant Program			
20.614	D	74,883	-	National Highway Traffic Safety Administration (NHTSA) Discretionary Safety Grants and Cooperative Agreements			
20.614	I	15	-	National Highway Traffic Safety Administration (NHTSA) Discretionary Safety Grants and Cooperative Agreements	1-OTAECU 2015	American Occupational Therapy Association Inc	
20.700	D	717,480	-	Pipeline Safety Program State Base Grant			
20.701	D	2,377,098	1,436,389	University Transportation Centers Program			
20.701	I	89,944	-	University Transportation Centers Program	21-1100-5726-UNCC	San Jose State University Research Foundation	
20.701	I	52,877	-	University Transportation Centers Program	UFDSP00011674	Univ Of Florida	
20.701	I	25,798	-	University Transportation Centers Program	5893-Z9600001	Univ Of Maryland, College Park	
20.703	D	416,020	223,778	Interagency Hazardous Materials Public Sector Training and Planning Grants			
20.933	D	8,501,148	-	National Infrastructure Investments			
20.U01	I	4,000	-	U. S. Department of Transportation	Task Order 13-NCA&T-E1	University of Tennessee-Knoxville	G-280797
20.U02	D	9,682	-	U. S. Department of Transportation			692M15-18-D-00020
20.U03	I	6,816	5,142	U. S. Department of Transportation	17-087	Go Triangle	17-087
20.U04	I	201,984	23,316	U. S. Department of Transportation	2018-2219	Go Triangle	2018-2219
20.U05	I	7,985	6,654	U. S. Department of Transportation	90975	Nc Campo	9-0975
20.U06	I	28,706	-	U. S. Department of Transportation	DTNH2216D00018 / 2018-003	Toxcel, Llc	DTNH2216RQ-00935
20.U07	I	95,139	-	U. S. Department of Transportation	P010213432	Leidos Holdings, Inc	VDOT Statewide Maintenance
		<u>77,734,418</u>	<u>52,007,604</u>	Total — Other Programs — U. S. Department of Transportation			

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)

For the Fiscal Year Ended June 30, 2019

Federal	Direct /	Program	Amount					
CFDA	Indirect	Expenditures	Provided to	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information	
Number			Subrecipients					
<u>U. S. Department of the Treasury</u>								
21.008	D	98,637	-	Low Income Taxpayer Clinics				
21.016	D	692,551	-	Equitable Sharing				
		791,188	-	Total — Other Programs — U. S. Department of the Treasury				
<u>U. S. Appalachian Regional Commission</u>								
23.001	D	389,970	-	Appalachian Regional Development (See individual Appalachian Programs)				
23.002	D	288,885	11,400	Appalachian Area Development				
23.011	D	1,301,457	1,107,487	Appalachian Research, Technical Assistance, and Demonstration Projects				
		1,980,312	1,118,887	Total — Other Programs — U. S. Appalachian Regional Commission				
<u>U. S. Office of Personnel Management</u>								
27.011	D	13,005	-	Intergovernmental Personnel Act (IPA) Mobility Program				
		13,005	-	Total — Other Programs — Office of Personnel Management				
<u>U. S. Equal Employment Opportunity Commission</u>								
30.U01	D	65,950	-	U. S. Equal Employment Opportunity Commission				EEC45016C0074P0002
		65,950	-	Total — Other Programs — U. S. Equal Employment Opportunity Commission				
<u>U. S. General Services Administration</u>								
39.003	D	1,129,214	-	Donation of Federal Surplus Personal Property				
		1,129,214	-	Total — Other Programs — U. S. General Services Administration				
<u>U. S. National Aeronautics and Space Administration</u>								
43.001	D	672,419	111,247	Science				
43.001	I	10,401	-	Science	4500002641	Boston University		
43.001	I	56,622	-	Science	NNX16AN91G	Goddard Space Flight Center		
43.001	I	120,957	-	Science	HST-AR-14553.009-A	NASA Space Telescope Science Institute		
43.001	I	21,939	-	Science	GO6-17062X	Smithsonian Astrophys Observ		
43.001	I	5,022	-	Science	GO6-17064B	Smithsonian Astrophys Observ		
43.001	I	33,839	-	Science	GO6-17070X	Smithsonian Astrophys Observ		
43.001	I	59,635	-	Science	GO7-18051X	Smithsonian Astrophys Observ		
43.001	I	12,330	-	Science	GO7-18068X	Smithsonian Astrophys Observ		
43.001	I	4,976	-	Science	GO8-19053X	Smithsonian Astrophys Observ		
43.001	I	13,959	-	Science	73175/SOMAS	State Univ Of New York		
43.001	I	54,185	-	Science	SUBAWD000767	Univ Corp Atmos Res		
43.001	I	9,435	-	Science	18802	Univ Of Massachusetts		
43.002	I	107,473	-	Aeronautics	Subaward# 60061599	Ohio State University		
43.002	I	307,612	-	Aeronautics	17-3379 PO2000034205	Univ Of South Carolina		
43.003	D	274,525	34,138	Exploration				
43.007	D	132,981	-	Space Operations				
43.008	D	1,110,020	386,269	Education				
43.008	I	46,653	-	Education	C15-2B00-NCSU 401003-NCSU	Nat'L Inst. Of Aerospace		
43.008	I	46,550	-	Education	49A24-A	Ny City College Of Technology		
43.008	I	24,733	-	Education	2018-083	Univ Of Alabama - Huntsville		
43.012	D	276,936	12,334	Space Technology				
43.U01	I	58,750	-	National Aeronautics and Space Administration	Letter Dated 9-23-03	National Action Council for Minorities in Engineering Inc	G-280155	
43.U02	I	31,982	-	National Aeronautics and Space Administration	2975-2018-0679	OptiPro Systems LLC	SBIR: Silicon Carbide Components	
43.U03	I	14,592	-	National Aeronautics and Space Administration	18-7629-03-C1	Universal Technology Corporation	SBIR: Metal Manufacturing	
		3,508,526	543,988	Total — Other Programs — U. S. National Aeronautics and Space Administration				
<u>National Foundation on the Arts and the Humanities</u>								
45.024	D	92,163	-	Promotion of the Arts Grants to Organizations and Individuals				
45.024	I	366	-	Promotion of the Arts Grants to Organizations and Individuals	5542	South Arts		
45.024	I	586	-	Promotion of the Arts Grants to Organizations and Individuals	5624	South Arts		
45.025	D	1,080,198	820,520	Promotion of the Arts Partnership Agreements				
45.129	I	3,691	-	Promotion of the Humanities Federal/State Partnership	2013-0775	Friedrich Schiller University		
45.129	I	7,914	-	Promotion of the Humanities Federal/State Partnership	GRANT # 17-32	Nc Humanities Coun.		
45.129	I	18,454	-	Promotion of the Humanities Federal/State Partnership	17-33	North Carolina Humanities Council		
45.129	I	11,610	-	Promotion of the Humanities Federal/State Partnership	17-36	North Carolina Humanities Council		
45.129	I	1,000	-	Promotion of the Humanities Federal/State Partnership	18-06	North Carolina Humanities Council		

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For the Fiscal Year Ended June 30, 2019

Federal CFDA Number	Direct / Indirect	Program Expenditures	Amount Provided to Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
45.129	I	1,614	-	Promotion of the Humanities Federal/State Partnership	18-22	North Carolina Humanities Council	
45.129	I	1,478	-	Promotion of the Humanities Federal/State Partnership	18-4	North Carolina Humanities Council	
45.129	I	1,245	-	Promotion of the Humanities Federal/State Partnership	19-0107	North Carolina Humanities Council	
45.129	I	1,696	-	Promotion of the Humanities Federal/State Partnership	S13-27	North Carolina Humanities Council	
45.129	I	6,527	-	Promotion of the Humanities Federal/State Partnership	GPH18-00274	Northern Marianas Humanities Council	
45.149	D	1,924	-	Promotion of the Humanities Division of Preservation and Access			
45.160	D	26,396	-	Promotion of the Humanities Fellowships and Stipends			
45.161	D	118,293	1,618	Promotion of the Humanities Research			
45.161	I	11,527	-	Promotion of the Humanities Research	NMU 2016-001	Northern Michigan University	
45.162	D	28,273	-	Promotion of the Humanities Teaching and Learning Resources and Curriculum Development			
45.163	D	706	-	Promotion of the Humanities Professional Development			
45.164	D	25,841	-	Promotion of the Humanities Public Programs			
45.169	D	71,358	-	Promotion of the Humanities Office of Digital Humanities			
45.301	D	15,436	-	Museums for America			
45.309	D	48,000	-	Museum Grants for African American History and Culture			
45.310	D	4,605,710	2,634,422	Grants to States			
45.310	I	30,908	-	Grants to States	NC-18-52	State Library	
45.310	I	2,249	-	Grants to States	1718-20903	State Library of NC	
45.312	D	96,083	9,979	National Leadership Grants			
45.312	I	19,381	-	National Leadership Grants	20180239	Blackfeet Community College	
45.312	I	24,766	-	National Leadership Grants	505135-78050	Northeastern University	
45.313	D	89,159	-	Laura Bush 21st Century Librarian Program			
45.400	D	20,005	-	Peace Corps' Global Health and PEPFAR Initiative Program			
45.U01	I	5,821	-	Federal Council on the Arts and the Humanities	2018-3342	South Arts	2018-3342
45.U02	I	110	-	Federal Council on the Arts and the Humanities	2015-1498	South Arts	2015-1498
45.U03	I	3,384	-	Federal Council on the Arts and the Humanities	5519	South Arts	2018-1941
		<u>6,473,872</u>	<u>3,466,539</u>	Total — Other Programs — National Foundation on the Arts and the Humanities			
National Science Foundation							
47.041	D	5,207,289	1,219,033	Engineering Grants			
47.041	I	14,768	-	Engineering Grants	Subaward No: 2010-206-2012435	Clemson University	
47.041	I	9,697	-	Engineering Grants	Subaward No. C-4966	Florida A&M University	
47.041	I	9,972	-	Engineering Grants	2975-2018-0843	GAMDAN Optics Inc.	
47.041	I	131,769	-	Engineering Grants	Subgrant No. RG314-G1	Georgia Institute of Technology-Library	
47.041	I	151,482	-	Engineering Grants	RG314-G2	Georgia Tech	
47.041	I	2,392	-	Engineering Grants	331236	Nova Southeastern University	
47.041	I	3,773	-	Engineering Grants	Contingency Letter 10-26-2018	Ohio State University	
47.041	I	2,561	-	Engineering Grants	4101-83663	Purdue Univ	
47.041	I	8,626	-	Engineering Grants	1632410	Roundtable Analytics	
47.041	I	25,015	-	Engineering Grants	087442-16573	Univ of Illinois at Urbana-Champaign	
47.041	I	54,806	-	Engineering Grants	51214	University of Delaware	
47.041	I	115,128	-	Engineering Grants	# 416951G	University of Rochester	
47.041	I	23,725	-	Engineering Grants	416833-G	University of Rochester	
47.041	I	248,046	-	Engineering Grants	416952-G	University of Rochester	
47.041	I	51,883	-	Engineering Grants	417244G	University of Rochester	
47.041	I	56,969	-	Engineering Grants	417245G	University of Rochester	
47.041	I	3,245	-	Engineering Grants	417462/URFAO:GR5106330	University of Rochester	
47.041	I	5,754	-	Engineering Grants	417463/URFAO: GR510865	University of Rochester	
47.041	I	28,990	-	Engineering Grants	417464 / URFAO: GR106866	University of Rochester	
47.041	I	24,182	-	Engineering Grants	417465 / URFAO: GR5106867	University of Rochester	
47.041	I	36,666	-	Engineering Grants	2975-2016-0793	Video Collaboratory, LLC	
47.041	I	22,766	-	Engineering Grants	UNCC8789	Western Michigan University	
47.049	D	1,638,970	55,867	Mathematical and Physical Sciences			
47.049	I	15,134	-	Mathematical and Physical Sciences	F-205807	American Statistical Association	
47.049	I	5,054	-	Mathematical and Physical Sciences	OXY-CURM0015	Occidental College	
47.049	I	9,583	-	Mathematical and Physical Sciences	[G001686-7500	Southern Methodist University	
47.049	I	61,190	-	Mathematical and Physical Sciences	25-0521-0184-022	The University of Nebraska Lincoln	
47.050	D	4,742,586	287,549	Geosciences			
47.050	I	8,006	-	Geosciences	Agreement 12 12 17	Clafflin University	
47.050	I	38,975	-	Geosciences	14-NSF-1026/EAR1338694	Duke Univ	
47.050	I	36,056	-	Geosciences	420-41-15A	Iowa State University	

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Federal CFDA Number	Direct / Indirect	Program Expenditures	Amount Provided to Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
47.050	I	453	-	Geosciences	2-581500-NCSU	Oklahoma State Univ.	
47.050	I	8,531	-	Geosciences	208LUC613	Portland State University	
47.050	I	38,152	-	Geosciences	1(GG012596)	Trustees of Columbia University in New York City	
47.050	I	80,880	-	Geosciences	3004146004	Univ Of Michigan	
47.050	I	42,767	-	Geosciences	SUBK00010788/PO3005450823	Univ Of Michigan	
47.050	I	14,971	-	Geosciences	104030291	University of California at San Diego	
47.070	D	3,823,780	558,299	Computer and Information Science and Engineering			
47.070	I	3,346	-	Computer and Information Science and Engineering	RD199-G2 / CNS-1228352	Georgia Institute of Technology	
47.070	I	15,259	-	Computer and Information Science and Engineering	0008957-1000071879/6	Howard University	
47.070	I	29,031	-	Computer and Information Science and Engineering	SUB00001775	Univ of Georgia	
47.070	I	6,152	-	Computer and Information Science and Engineering	15639	Wichita State University	
47.074	D	2,911,478	182,759	Biological Sciences			
47.074	I	48,884	-	Biological Sciences	Subaward# 2254/200201913	Cary Institute of Ecosystem Studies	
47.074	I	35,683	-	Biological Sciences	420-66-08A	Iowa State University	
47.074	I	6,072	-	Biological Sciences	SubawardNo: 2018-02	Loyola University Maryland	
47.074	I	425,580	-	Biological Sciences	61-2075NC	Michigan State University	
47.074	I	151	-	Biological Sciences	14-2657/PO 2000004359	University of South Carolina	
47.074	I	83,466	-	Biological Sciences	UTA18-001150	University of Texas at Austin	
47.074	I	7,655	-	Biological Sciences	564K336	University of Wisconsin-Madison	
47.075	D	1,563,798	171,488	Social, Behavioral, and Economic Sciences			
47.075	I	92,384	-	Social, Behavioral, and Economic Sciences	16-789	Arizona State Univ.	
47.075	I	37,589	-	Social, Behavioral, and Economic Sciences	2017-27	Davidson College	
47.075	I	12,002	-	Social, Behavioral, and Economic Sciences	333-2368	Duke University	
47.075	I	49,852	-	Social, Behavioral, and Economic Sciences	RC104050NCSU	Michigan State University	
47.075	I	3,111	-	Social, Behavioral, and Economic Sciences	Subaward# 18005A	Missouri State University	
47.075	I	21,216	-	Social, Behavioral, and Economic Sciences	5879-NCSU-NSF-7396	Pennsylvania State Univ	
47.075	I	27,279	-	Social, Behavioral, and Economic Sciences	19-009	Univ of New Hampshire	
47.075	I	4,560	-	Social, Behavioral, and Economic Sciences	PG19-66297-02	University Of Montana	
47.075	I	55,480	-	Social, Behavioral, and Economic Sciences	ULRF 16-0243-001	University of Louisville Research Fdn Inc	
47.075	I	41,274	-	Social, Behavioral, and Economic Sciences	A17-1027-S001	University of Tennessee	
47.075	I	2,238	-	Social, Behavioral, and Economic Sciences	Subaward0012090A	University of Texas Hth Science Center	
47.075	I	1,674	-	Social, Behavioral, and Economic Sciences	479862-19347	Virginia Polytechnic Inst and State Univ	
47.076	D	26,139,933	2,422,674	Education and Human Resources			
47.076	I	268,589	-	Education and Human Resources	278-01.01	Concord Consortium	
47.076	I	7,688	-	Education and Human Resources	JOIDES IODP Pop-Up Exhibit	Consortium for Ocean Leadership	
47.076	I	100,449	-	Education and Human Resources	Sub Agreement # 332-0252	Duke University	
47.076	I	80,380	-	Education and Human Resources	63019-01	Era Univ-Daytona Beach	
47.076	I	17,930	-	Education and Human Resources	R01899	Florida State Univ	
47.076	I	86,541	-	Education and Human Resources	BL-4842404-NCST/PO1881747	Indiana University	
47.076	I	71,367	-	Education and Human Resources	DRL-1502755	Michigan State University	
47.076	I	81,293	-	Education and Human Resources	RC107583UNCG	Michigan State University	
47.076	I	3,048	-	Education and Human Resources	Grant # 1533627	Morehouse College	
47.076	I	6,043	-	Education and Human Resources	Subaward No. PU-NCAT-02-2017	Pacific University	
47.076	I	2,352	-	Education and Human Resources	5655-FTCC-NSF-0630	Pennsylvania State University	
47.076	I	323	-	Education and Human Resources	S150503	Prairie View A&M University	
47.076	I	18,392	-	Education and Human Resources	10000803-004	Purdue University	
47.076	I	12,098	-	Education and Human Resources	1601452	Riverside CC District	
47.076	I	1,126	-	Education and Human Resources	00010068	Univ Of Cal - Berkeley	
47.076	I	6,553	-	Education and Human Resources	2015-3274	Univ Of Cal - Irvine	
47.076	I	57,737	-	Education and Human Resources	14246026-01	Univ Of Central Florida	
47.076	I	18,577	-	Education and Human Resources	UWSC8731 / PO# BPO10762	Univ Of Washington	
47.076	I	13,726	-	Education and Human Resources	18-0072	University of Arizona	
47.076	I	119,320	-	Education and Human Resources	1463898	University of Maryland	
47.076	I	37,187	-	Education and Human Resources	65623-Z4772002	University of Maryland	
47.076	I	98,499	-	Education and Human Resources	C00056306-1	University of Missouri	
47.076	I	41,698	-	Education and Human Resources	25-6238-0826-003	University of Nebraska Lincoln	
47.076	I	72,144	-	Education and Human Resources	GA 1125715580	University of Virginia	
47.076	I	(1,966)	-	Education and Human Resources	479780-19071	Virginia Polytech Inst.	
47.076	I	8,341	-	Education and Human Resources	UNC-G 10114	Western Michigan University	
47.079	D	226,563	-	Office of International Science and Engineering			
47.079	I	26,383	-	Office of International Science and Engineering	13-NSF-1035	Duke University	
47.083	D	960,640	266,666	Office of Integrative Activities			

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Federal CFDA Number	Direct / Indirect	Program Expenditures	Amount Provided to Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
47.U01	D	92,852	-	National Science Foundation			N/A
47.U02	D	148,875	-	National Science Foundation			IPA - Program Manager
47.U03	D	99,377	-	National Science Foundation			IPA assignment with NSF
		<u>51,213,864</u>	<u>5,164,334</u>	Total — Other Programs — National Science Foundation			
<u>U. S. Small Business Administration</u>							
59.037	D	2,763,159	-	Small Business Development Centers			
59.037	I	218,595	-	Small Business Development Centers	UNC-C 2018-1 (SBA)	Small Business and Technology Development Center	
59.037	I	98,177	-	Small Business Development Centers	UNC-C 2019-1 SBA	Small Business and Technology Development Center	
59.U01	D	528,810	-	U. S. Small Business Administration			OSBDC-2019-01/02
		<u>3,608,741</u>	<u>-</u>	Total — Other Programs — U. S. Small Business Administration			
<u>U. S. Department of Veterans Affairs</u>							
64.005	D	562,779	-	Grants to States for Construction of State Home Facilities			
64.028	D	342,267	-	Post-9/11 Veterans Educational Assistance			
64.034	D	24,709	4,210	VA Grants for Adaptive Sports Programs for Disabled Veterans and Disabled Members of the Armed Forces			
64.124	D	340,361	-	All-Volunteer Force Educational Assistance			
64.203	D	5,065,121	-	Veterans Cemetery Grants Program			
64.U01	D	2,544	-	U. S. Department of Veterans Affairs			IPA Agrmt-Further Implementation
		<u>6,337,781</u>	<u>4,210</u>	Total — Other Programs — U. S. Department of Veterans Affairs			
<u>U. S. Environmental Protection Agency</u>							
66.001	D	2,540,314	-	Air Pollution Control Program Support			
66.032	D	153,869	-	State Indoor Radon Grants			
66.034	D	4,138	3,870	Surveys, Studies, Research, Investigations, Demonstrations, and Special Purpose Activities Relating to the Clean Air Act			
66.040	D	146,110	-	State Clean Diesel Grant Program			
66.202	D	522,781	-	Congressionally Mandated Projects			
66.204	D	27,557	-	Multipurpose Grants to States and Tribes			
66.419	D	7,973,596	-	Water Pollution Control State, Interstate, and Tribal Program Support			
66.432	D	1,562,966	-	State Public Water System Supervision			
66.433	D	103,342	-	State Underground Water Source Protection			
66.454	D	183,431	-	Water Quality Management Planning			
66.454	I	3,526	-	Water Quality Management Planning	7116	Mid-East Commission	
66.456	D	677,366	-	National Estuary Program			
66.456	I	2,768	-	National Estuary Program	S1702	Barnegat Bay Partnership	
66.460	D	3,543,419	-	Nonpoint Source Implementation Grants			
66.460	I	(1,483)	-	Nonpoint Source Implementation Grants	2016-1924	Albemarle R&D	
66.460	I	(4,908)	-	Nonpoint Source Implementation Grants	2014-1966	Hendersonville, Nc	
66.460	I	(157)	-	Nonpoint Source Implementation Grants	2015-1025	Town Of Pittsboro	
66.461	D	65,763	5,072	Regional Wetland Program Development Grants			
66.462	D	153,590	-	National Wetland Program Development Grants and Five-Star Restoration Training Grant			
66.472	D	261,951	-	Beach Monitoring and Notification Program Implementation Grants			
66.509	D	382,088	157,526	Science To Achieve Results (STAR) Research Program			
66.509	I	(8,943)	-	Science To Achieve Results (STAR) Research Program	G-58003-1	Colorado State Univ.	
66.509	I	15,561	-	Science To Achieve Results (STAR) Research Program	3430538	Duke University	
66.509	I	255	-	Science To Achieve Results (STAR) Research Program	E0191A-A	Oregon State Univ.	
66.509	I	45,383	-	Science To Achieve Results (STAR) Research Program	2016-1630	Stockholm Environment Inst	
66.509	I	228,086	-	Science To Achieve Results (STAR) Research Program	06-S160606	Texas A&M Agrilife Research	
66.509	I	6,339	-	Science To Achieve Results (STAR) Research Program	UTA16-001140	University Of Texas - Austin	
66.509	I	(4,270)	-	Science To Achieve Results (STAR) Research Program	C14P11828(P00361)	Yale University	
66.509	I	194,859	-	Science To Achieve Results (STAR) Research Program	GK000295 (CON-80000098)	Yale University	
66.511	I	51,323	-	Office of Research and Development Consolidated Research/Training/Fellowships	4951-RFA14-4/16-2-3	Health Effects Institute	
66.511	I	61,159	-	Office of Research and Development Consolidated Research/Training/Fellowships	451533-19071	Virginia Polytech Inst	
66.511	I	56,605	-	Office of Research and Development Consolidated Research/Training/Fellowships	451533-19071	Virginia Polytech Inst.	
66.516	D	10,422	-	P3 Award: National Student Design Competition for Sustainability			
66.605	D	819,034	-	Performance Partnership Grants			
66.608	D	44,423	-	Environmental Information Exchange Network Grant Program and Related Assistance			
66.701	D	143,356	-	Toxic Substances Compliance Monitoring Cooperative Agreements			
66.707	D	377,325	-	TSCA Title IV State Lead Grants Certification of Lead-Based Paint Professionals			
66.708	D	120,069	10,887	Pollution Prevention Grants Program			

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Federal CFDA Number	Direct / Indirect	Program Expenditures	Amount Provided to Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
66.801	D	2,437,940	-	Hazardous Waste Management State Program Support			
66.802	D	1,546,616	-	Superfund State, Political Subdivision, and Indian Tribe Site-Specific Cooperative Agreements			
66.804	D	904,154	-	Underground Storage Tank Prevention, Detection and Compliance Program			
66.805	D	2,479,916	-	Leaking Underground Storage Tank Trust Fund Corrective Action Program			
66.809	D	84,385	-	Superfund State and Indian Tribe Core Program Cooperative Agreements			
66.951	D	8,131	-	Environmental Education Grants			
66.U01	I	5,569	-	U. S. Environmental Protection Agency	SA-2017-65	Extension Foundation	8-3698001
66.U02	I	4,869	-	U. S. Environmental Protection Agency	2018-1592	Jacobs	EP-C-15-0008
66.U03	I	10,535	-	U. S. Environmental Protection Agency	7-312-0215574-65376L	Rti International	EP-C-16-021
		<u>27,945,128</u>	<u>177,355</u>	Total — Other Programs — U. S. Environmental Protection Agency			
<u>U. S. Nuclear Regulatory Commission</u>							
77.006	D	77,881	-	U. S. Nuclear Regulatory Commission Nuclear Education Grant Program			
77.008	D	386,800	-	U.S. Nuclear Regulatory Commission Scholarship and Fellowship Program			
		<u>464,681</u>	-	Total — Other Programs — U. S. Nuclear Regulatory Commission			
<u>U. S. Department of Energy</u>							
81.042	D	4,404,578	-	Weatherization Assistance for Low-Income Persons			
81.049	D	2,892,950	121,731	Office of Science Financial Assistance Program			
81.049	I	(387)	-	Office of Science Financial Assistance Program	2015-2339	Adroit Materials, Inc.	
81.049	I	29,325	-	Office of Science Financial Assistance Program	2017-2001	Calabazas Creek Research, Inc.	
81.049	I	18,895	-	Office of Science Financial Assistance Program	1(GG010862)	Columbia University	
81.049	I	22,637	-	Office of Science Financial Assistance Program	2018-1921	Genesic Semiconductor, Inc.	
81.049	I	48,377	-	Office of Science Financial Assistance Program	AWD7773336-GR205924	Georgetown Univ.	
81.049	I	230,605	-	Office of Science Financial Assistance Program	2018-0161	Lupine Materials & Technology	
81.049	I	309,159	-	Office of Science Financial Assistance Program	RC107830	Michigan State University	
81.049	I	108,583	-	Office of Science Financial Assistance Program	5026-NCSU-DOE-1090	Pennsylvania State Univ	
81.049	I	48,664	-	Office of Science Financial Assistance Program	5951-NCSU-DOE-1090	Pennsylvania State Univ	
81.049	I	165,141	-	Office of Science Financial Assistance Program	6021-NCSU-DOE-1090	Pennsylvania State Univ	
81.049	I	54,362	-	Office of Science Financial Assistance Program	SUB0000292	Princeton University	
81.049	I	33,125	-	Office of Science Financial Assistance Program	2019-0921	Susteon Inc.	
81.049	I	19,701	-	Office of Science Financial Assistance Program	254998	Temple University	
81.049	I	74,734	-	Office of Science Financial Assistance Program	520001	Triad National Security, Llc	
81.049	I	(693)	-	Office of Science Financial Assistance Program	1551588/PO#1000375790	Univ Of Colorado - Boulder	
81.049	I	94,009	-	Office of Science Financial Assistance Program	1555891 PO#1000911947	Univ Of Colorado - Boulder	
81.049	I	65,605	-	Office of Science Financial Assistance Program	SUB00001810	Univ Of Georgia Res Fdn	
81.049	I	385,998	-	Office of Science Financial Assistance Program	WU-15-69 (PO#2922325Y)	Washington University-St Louis	
81.049	I	25,708	-	Office of Science Financial Assistance Program	WU-HT-10-09 PO: 2934281G	Washington University-St Louis	
81.086	D	82,880	-	Conservation Research and Development			
81.086	I	24,662	-	Conservation Research and Development	2016-0802	Envision Charlotte	
81.087	D	324,971	46,922	Renewable Energy Research and Development			
81.087	I	1,035	-	Renewable Energy Research and Development	ZFC-5-52044-01	Alliance For Sustainable Energy	
81.087	I	76,120	-	Renewable Energy Research and Development	1070227-382029	Carnegie Mellon Univ	
81.087	I	102,533	-	Renewable Energy Research and Development	Subcontract NO. 1004	Corrim	
81.087	I	79,683	-	Renewable Energy Research and Development	10001630/DE-FOA-0000856	EPRI (Electric Power Institute Inc	
81.087	I	148,211	-	Renewable Energy Research and Development	DE-EE0007253-NCSU	Eaton Corp.	
81.087	I	104,705	-	Renewable Energy Research and Development	207BIR606	Portland State University	
81.087	I	372,258	-	Renewable Energy Research and Development	DE-EE0007888-05-6	Rapid Institute	
81.087	I	(7)	-	Renewable Energy Research and Development	CESMII-2017-R-03	Smart Manufacturing Lead. Co.	
81.087	I	77,440	-	Renewable Energy Research and Development	Subaward # M1802860	Texas A&M Engine Exper Station	
81.087	I	152,741	-	Renewable Energy Research and Development	8500051911	Univ Of Tennessee	
81.089	D	1,026,363	139,962	Fossil Energy Research and Development			
81.113	D	4,592,762	2,579,916	Defense Nuclear Nonproliferation Research			
81.113	I	250,394	-	Defense Nuclear Nonproliferation Research	3003222368	Univ Of Michigan	
81.117	D	627,768	8,795	Energy Efficiency and Renewable Energy Information Dissemination, Outreach, Training and Technical Analysis/Assistance			
81.117	I	68,136	-	Energy Efficiency and Renewable Energy Information Dissemination, Outreach, Training and Technical Analysis/Assistance	PEEIF486-01	Ucpog	
81.119	D	1,072,034	-	State Energy Program Special Projects			
81.121	D	3,523,597	729,615	Nuclear Energy Research, Development and Demonstration			
81.121	I	(18,078)	-	Nuclear Energy Research, Development and Demonstration	401012-5801	Colorado School Of Mines	

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Federal CFDA Number	Direct / Indirect	Program Expenditures	Amount Provided to Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
81.121	I	73,804	-	Nuclear Energy Research, Development and Demonstration	401012-5801 PO160941	Colorado School Of Mines	
81.121	I	78,862	-	Nuclear Energy Research, Development and Demonstration	401012-5803	Colorado School Of Mines	
81.121	I	127,349	-	Nuclear Energy Research, Development and Demonstration	5725-NCSU-DOE-8717	Pennsylvania State Univ	
81.121	I	81,369	-	Nuclear Energy Research, Development and Demonstration	4105-77328	Purdue University	
81.121	I	18,688	-	Nuclear Energy Research, Development and Demonstration	4105-84088	Purdue University	
81.121	I	59,279	-	Nuclear Energy Research, Development and Demonstration	00009945	Univ Of Cal - Berkeley	
81.121	I	72,827	-	Nuclear Energy Research, Development and Demonstration	Subaward No. 68016083-01	Univ Of Central Florida	
81.121	I	140,006	-	Nuclear Energy Research, Development and Demonstration	775K541	Univ Of Wisconsin	
81.121	I	1,320	-	Nuclear Energy Research, Development and Demonstration	17-3304/PO# 2000032066	University of South Carolina	
81.122	D	59,284	-	Electricity Delivery and Energy Reliability, Research, Development and Analysis			
81.123	D	1,009,233	604,773	National Nuclear Security Administration (NNSA) Minority Serving Institutions (MSI) Program			
81.123	I	370,419	-	National Nuclear Security Administration (NNSA) Minority Serving Institutions (MSI) Program	Sub Award No: F1040061-14-08	Norfolk State University	
81.128	I	14,817	-	Energy Efficiency and Conservation Block Grant Program (EECBG)	2019-SEEA-111	Southeast Energy Eff Alliance	
81.135	D	912,280	178,319	Advanced Research Projects Agency - Energy			
81.135	I	4,742	-	Advanced Research Projects Agency - Energy	2018-3411	Abb, Inc.	
81.135	I	139,025	-	Advanced Research Projects Agency - Energy	2018-0104	Adroit Materials, Inc.	
81.135	I	139,426	-	Advanced Research Projects Agency - Energy	001-42703	Eaton Corp	
81.135	I	(13,774)	-	Advanced Research Projects Agency - Energy	2015-3268	Grid Logic, Inc.	
81.135	I	64,483	2,026	Advanced Research Projects Agency - Energy	5645-UNCC-EARPA-0801	Pennsylvania State University	
81.135	I	(415)	-	Advanced Research Projects Agency - Energy	79427836; PO#S9001469	Univ Of Cal - San Diego	
81.135	I	70,685	-	Advanced Research Projects Agency - Energy	33339-Z7218002	Univ Of Maryland, College Park	
81.135	I	179,426	-	Advanced Research Projects Agency - Energy	9153-20936	Vanderbilt University	
81.137	D	10,775	-	Minority Economic Impact			
81.U01	I	11,980	-	U. S. Department of Energy	Letter Dated 6-12-15	National Nuclear Security Administration	G-280875
81.U02	I	22,660	-	U. S. Department of Energy	Letter Dated 07-17-2018	Kansas City National Security Campus (KCNSC)	G-281024
81.U03	I	38,805	-	U. S. Department of Energy	Check #296167	Honeywell International Inc	G-281031
81.U04	D	47,413	-	U. S. Department of Energy			2017-0487_JPA
81.U05	I	2,555	-	U. S. Department of Energy	184998	Slac National Accelerator Lab	DE-AC02-76SF00515
81.U06	I	284	-	U. S. Department of Energy	2015-1348	Southeastern Coastal Wind Coal	DE-AC36-08GO28308
81.U07	I	42,276	-	U. S. Department of Energy	309507	Brookhaven Science Associates, LLC	Support for Development of AIERCI
81.U08	I	45,702	-	U. S. Department of Energy	1879-205-2011567	Clemson University	Securing American Manufacturing
81.U09	I	25,762	-	U. S. Department of Energy	B621419	Lawrence Livermore Nat'l Lab	Deception Detection in Social Media
81.U10	I	10,530	-	U. S. Department of Energy	Task 4300104099 BOA 4100000316	Consolidated Nuclear Security, LLC	CAPER PD-1 Critical Infrastructure
81.U11	I	100,129	-	U. S. Department of Energy	380698	Battelle Memorial Institute	Increasing Distribution System
81.U12	I	27,228	-	U. S. Department of Energy	390587	Battelle Memorial Institute	Surface Topography Measurements
81.U13	I	59,217	-	U. S. Department of Energy	195684	Battelle Energy Alliance LLC	LDRD 18A12-132FP IN FY18
81.U14	I	44,952	-	U. S. Department of Energy	398387	Battelle Memorial Institute	Communication Bridge
81.U15	I	161,814	-	U. S. Department of Energy	PO Number N000270917	Honeywell Federal Manufacturing & Technologies, LLC	Non-Contact Dimensional Inspection
81.U16	I	467,635	-	U. S. Department of Energy	PO# 4300152826	Consolidated Nuclear Security, LLC	SAM Task Order #430015826
81.U17	I	44,868	-	U. S. Department of Energy	PO# 4300154707	Consolidated Nuclear Security, LLC	Modulated Tool-Path Chip Breaking
81.U18	D	14,118	-	U. S. Department of Energy			Trusting Machine Learning
81.U19	I	35,911	-	U. S. Department of Energy	B632084	Lawrence Livermore Nat'l Lab	Surface Finish Measurement X-Ray
81.U20	I	77,094	-	U. S. Department of Energy	PO # N000294867	Honeywell Federal Manufacturing & Technologies, LLC	Non-Contact Dimensional Inspection
81.U21	I	44,158	-	U. S. Department of Energy	4000168055	UT-Battelle, LLC	Coordinated Control and Stability
81.U22	I	46,379	-	U. S. Department of Energy	B630948	Lawrence Livermore Nat'l Lab	In-process turning metrology
81.U23	I	19,676	-	U. S. Department of Energy	4000169978	UT-Battelle, LLC	Distributed Voltage Control
		<u>26,726,340</u>	<u>4,412,059</u>	Total — Other Programs — U. S. Department of Energy			
U. S. Department of Education							
84.002	D	18,789,302	16,718,688	Adult Education - Basic Grants to States			
84.010	D	436,165,888	430,386,178	Title I Grants to Local Educational Agencies			
84.011	D	5,064,394	4,367,859	Migrant Education State Grant Program			
84.013	D	702,046	-	Title I State Agency Program for Neglected and Delinquent Children and Youth			
84.015	D	271	-	National Resource Centers Program for Foreign Language and Area Studies or Foreign Language and International Studies Program and Foreign Language and Area Studies Fellowship Program			
84.016	D	56,856	-	Undergraduate International Studies and Foreign Language Programs			
84.021	D	24,898	-	Overseas Programs - Group Projects Abroad			
84.031	D	32,951,912	122,542	Higher Education Institutional Aid			
84.031	I	60,310	-	Higher Education Institutional Aid	18-0133	Columbus State University	

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Federal CFDA Number	Direct / Indirect	Program Expenditures	Amount Provided to Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
84.048	D	40,950,579	23,082,293	Career and Technical Education -- Basic Grants to States			
84.116	D	2,486,928	-	Fund for the Improvement of Postsecondary Education			
84.120	D	423,522	-	Minority Science and Engineering Improvement			
84.120	I	604	-	Minority Science and Engineering Improvement	S150508	Prairie View A&M University	
84.126	D	100,846,641	-	Rehabilitation Services Vocational Rehabilitation Grants to States			
84.129	D	805,040	-	Rehabilitation Long-Term Training			
84.141	D	479,129	-	Migrant Education High School Equivalency Program			
84.144	D	28,308	-	Migrant Education Coordination Program			
84.160	I	7,000	-	Training Interpreters for Individuals who are Deaf and Individuals who are Deaf-Blind	F-205857	St. Catherine University	
84.161	D	355,331	-	Rehabilitation Services Client Assistance Program			
84.169	D	542,365	-	Independent Living State Grants			
84.177	D	1,129,861	-	Rehabilitation Services Independent Living Services for Older Individuals Who are Blind			
84.181	D	13,857,707	936,476	Special Education-Grants for Infants and Families			
84.184	D	1,691,852	1,691,852	School Safety National Activities (formerly, Safe and Drug-Free Schools and Communities-National Programs)			
84.187	D	383,284	-	Supported Employment Services for Individuals with the Most Significant Disabilities			
84.196	D	2,243,202	-	Education for Homeless Children and Youth			
84.200	D	654,038	-	Graduate Assistance in Areas of National Need			
84.224	D	368,490	-	Assistive Technology			
84.282	D	97,425	-	Charter Schools			
84.287	D	26,638,230	25,384,533	Twenty-First Century Community Learning Centers			
84.299	D	317,688	-	Indian Education -- Special Programs for Indian Children			
84.299	I	631,208	-	Indian Education -- Special Programs for Indian Children	N/A	Lumbee Land Dev	
84.305	D	1,346,730	624,428	Education Research, Development and Dissemination			
84.305	I	33,384	-	Education Research, Development and Dissemination	Agmt dated 02/20/2017	Assoc of Public and Land Grant Universities (APLU)	
84.305	I	10,081	-	Education Research, Development and Dissemination	343-0812	Duke University	
84.305	I	391	-	Education Research, Development and Dissemination	PO15786	Sri International	
84.305	I	56,904	-	Education Research, Development and Dissemination	SUB00001449	Univ Of Georgia	
84.305	I	66,949	-	Education Research, Development and Dissemination	569644 PO# 4103750	Univ Of Pennsylvania	
84.305	I	1,671	-	Education Research, Development and Dissemination	43221	University of Delaware	
84.305	I	46,624	-	Education Research, Development and Dissemination	2014-00953-01-03-739	University of Illinois	
84.305	I	26,454	-	Education Research, Development and Dissemination	WFUHS 114266	Wake Forest University Health Sciences	
84.323	D	1,387,008	1,216,338	Special Education - State Personnel Development			
84.324	D	222,224	81,192	Research in Special Education			
84.324	I	44,460	-	Research in Special Education	S-000828	University of California, Riverside	
84.324	I	56,962	-	Research in Special Education	FY2018-077	University of Kansas	
84.324	I	128,047	-	Research in Special Education	FY2019-001	University of Kansas	
84.324	I	33,586	-	Research in Special Education	FY2019-013	University of Kansas Center for Research Inc	
84.324	I	327	-	Research in Special Education	224311A	University of Oregon	
84.325	D	2,990,819	14,895	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities			
84.325	I	38,705	-	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities	UNCG 88404A 18/19	Salus University	
84.326	D	3,567,730	1,518,974	Special Education Technical Assistance and Dissemination to Improve Services and Results for Children with Disabilities			
84.326	I	278,716	-	Special Education Technical Assistance and Dissemination to Improve Services and Results for Children with Disabilities	A006557003	Regents of the University of Minnesota	
84.326	I	212,007	-	Special Education Technical Assistance and Dissemination to Improve Services and Results for Children with Disabilities	A006557004	University of Minnesota	
84.334	D	10,282,910	4,227,069	Gaining Early Awareness and Readiness for Undergraduate Programs			
84.334	I	567	-	Gaining Early Awareness and Readiness for Undergraduate Programs	19100053-001	Purdue University	
84.335	D	19,208	-	Child Care Access Means Parents in School			
84.336	D	2,177,607	95,278	Teacher Quality Partnership Grants			
84.351	I	37,267	-	Arts in Education	P/O No. 1302 REQ 709	Guilford County Schools	
84.358	D	3,677,081	3,472,241	Rural Education			
84.363	D	579,722	-	School Leader Recruitment and Support (formerly School Leadership)			
84.365	D	15,900,208	14,458,866	English Language Acquisition State Grants			
84.366	D	1,458,066	-	Mathematics and Science Partnerships			
84.366	I	186,935	53,728	Mathematics and Science Partnerships	F-205770	Brunswick County Schools NC	
84.366	I	9,612	-	Mathematics and Science Partnerships	2015-1763	Person County Schools	
84.367	D	46,223,891	45,651,884	Supporting Effective Instruction State Grants (formerly Improving Teacher Quality State Grants)			

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Federal CFDA Number	Direct / Indirect	Program Expenditures	Amount Provided to Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
84.367	I	810	-	Supporting Effective Instruction State Grants (formerly Improving Teacher Quality State Grants)	92-NC08-SEED2017-CRWPPD	National Writing Project Corporation	
84.367	I	7,267	-	Supporting Effective Instruction State Grants (formerly Improving Teacher Quality State Grants)	92-NC08-SEED2017-ILI	National Writing Project Corporation	
84.368	D	231,962	-	Competitive Grants for State Assessments (formerly Grants for Enhanced Assessment Instruments)			
84.369	D	9,875,600	-	Grants for State Assessments and Related Activities			
84.377	D	11,415,303	11,302,291	School Improvement Grants			
84.382	D	2,067,057	-	Strengthening Minority-Serving Institutions			
84.403	D	59,085	-	Consolidated Grant to the Outlying Areas			
84.407	D	205,359	6,042	Transition Programs for Students with Intellectual Disabilities into Higher Education			
84.411	I	305,227	-	Education Innovation and Research (formerly Investing in Innovation (i3) Fund)	1516-013-01	Columbus State Community College	
84.411	I	4,216	-	Education Innovation and Research (formerly Investing in Innovation (i3) Fund)	U411B120049	Jobs For The Future	
84.411	I	25,000	-	Education Innovation and Research (formerly Investing in Innovation (i3) Fund)	U411B120049B	Jobs For The Future	
84.411	I	171,476	-	Education Innovation and Research (formerly Investing in Innovation (i3) Fund)	511138	Teachers College Columbia University	
84.412	D	(10,950)	-	Race to the Top - Early Learning Challenge			
84.423	D	460,790	82,014	Supporting Effective Educator Development Program			
84.423	I	237,392	-	Supporting Effective Educator Development Program	PO101183/SUB00001559	University of Florida	
84.424	D	19,821,856	19,667,762	Student Support and Academic Enrichment Program			
84.424	I	6,536	-	Student Support and Academic Enrichment Program	2018-2969	Wilson County Schools	
84.U01	D	164,590	-	U. S. Department of Education			NAEP State Coordinators
84.U02	D	2,388	-	U. S. Department of Education			Education Data Exchange Network
84.U03	I	(1,167)	-	U. S. Department of Education	2015-0613	Jones County Schools	2015-0613
84.U04	I	25,899	-	U. S. Department of Education	2975-2019-0144	Attainment Company Inc / IEP Resources	SBIR: GoWrite Duns (028855716)
84.U05	D	1,374,406	180,367	U. S. Department of Education			209085-ED-ESE-14-C-0131 N1 Ctr Homeless Ed
84.U06	I	26,290	-	U. S. Department of Education	CCRI 2018-2019	Child Care Resources Inc	205841-CCRI-Compent Trainer
		<u>826,333,554</u>	<u>605,343,790</u>	Total — Other Programs — U. S. Department of Education			
<u>U. S. National Archives and Records Administration</u>							
89.003	D	38,375	-	National Historical Publications and Records Grants			
		<u>38,375</u>	<u>-</u>	Total — Other Programs — U. S. National Archives and Records Administration			
<u>U. S. Election Assistance Commission</u>							
90.404	D	2,009,898	-	2018 HAVA Election Security Grants			
		<u>2,009,898</u>	<u>-</u>	Total — Other Programs — U. S. Election Assistance Committee			
<u>U. S. National Council on Disability</u>							
92.U01	D	17,546	-	National Council on Disability			205790-8-312-0213405-51919L (SBIRT Evaluation)
		<u>17,546</u>	<u>-</u>	Total — Other Programs — U. S. National Council on Disability			
<u>U. S. Department of Health and Human Services</u>							
93.041	D	131,691	131,691	Special Programs for the Aging, Title VII, Chapter 3, Programs for Prevention of Elder Abuse, Neglect, and Exploitation			
93.042	D	489,738	489,738	Special Programs for the Aging, Title VII, Chapter 2, Long Term Care Ombudsman Services for Older Individuals			
93.043	D	712,568	641,531	Special Programs for the Aging, Title III, Part D, Disease Prevention and Health Promotion Services			
93.048	D	326,607	40,000	Special Programs for the Aging, Title IV, and Title II, Discretionary Projects			
93.052	D	5,110,035	4,902,994	National Family Caregiver Support, Title III, Part E			
93.068	I	22,748	-	Chronic Diseases: Research, Control, and Prevention	000516164-001	University of Alabama at Birmingham	
93.070	D	304,564	12,281	Environmental Public Health and Emergency Response			
93.070	I	43,034	-	Environmental Public Health and Emergency Response	2017-333 / 2016-361	Gaston County Department of Health	
93.070	I	32,155	-	Environmental Public Health and Emergency Response	2018-439	Gaston County Department of Health	
93.071	D	1,138,106	912,766	Medicare Enrollment Assistance Program			
93.072	D	263,962	45,201	Lifespan Respite Care Program			
93.073	D	210,061	-	Birth Defects and Developmental Disabilities - Prevention and Surveillance			
93.073	I	10,415	-	Birth Defects and Developmental Disabilities - Prevention and Surveillance	216069/NU50DD004933	Duke Univ	
93.074	D	20,372,422	8,084,815	Hospital Preparedness Program (HPP) and Public Health Emergency Preparedness (PHEP) Aligned Cooperative Agreements			
93.077	I	5,950	-	Family Smoking Prevention and Tobacco Control Act Regulatory Research	506226-1	University of Toronto	
93.077	I	58,560	-	Family Smoking Prevention and Tobacco Control Act Regulatory Research	FP0006477-SA006	Virginia Commonwealth University	

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93.079	D	146,361	-	Cooperative Agreements to Promote Adolescent Health through School-Based HIV/STD Prevention and School-Based Surveillance			
93.084	I	56,109	-	Prevention of Disease, Disability, and Death by Infectious Diseases	UFDSP0012188/P0089602	University of Florida	
93.086	I	4,259	-	Healthy Marriage Promotion and Responsible Fatherhood Grants	2017-1299	Center For Policy Research	
93.088	D	36,132	10,336	Advancing System Improvements for Key Issues in Women's Health			
93.092	D	1,436,264	331,213	Affordable Care Act (ACA) Personal Responsibility Education Program			
93.094	D	146,491	38,175	Well-Integrated Screening and Evaluation for Women Across the Nation			
93.103	D	2,201,456	-	Food and Drug Administration Research			
93.103	I	18	-	Food and Drug Administration Research	06-S140685	Texas A&M Univ.	
93.104	D	13,471	-	Comprehensive Community Mental Health Services for Children with Serious Emotional Disturbances (SED)			
93.110	D	434,690	58,869	Maternal and Child Health Federal Consolidated Programs			
93.110	I	9,219	-	Maternal and Child Health Federal Consolidated Programs	5 H30MC24046-07-00	Hemophilia of Georgia Inc	
93.110	I	415	-	Maternal and Child Health Federal Consolidated Programs	5H30MC24046-08-00	Hemophilia of Georgia Inc	
93.110	I	95,429	-	Maternal and Child Health Federal Consolidated Programs	60041104	Ohio State Univ	
93.113	D	6,508,798	750,796	Environmental Health			
93.113	I	(17,460)	-	Environmental Health	T133135	Emory University	
93.113	I	28,341	-	Environmental Health	T787631	Emory University	
93.113	I	5,523	-	Environmental Health	NCSU-3338-02	Euro. Molecular Biology Lab	
93.113	I	78,427	-	Environmental Health	P0431A-A	Oregon State Univ.	
93.113	I	4,179	-	Environmental Health	PO# 1001105196	Regents of University of Colorado	
93.113	I	12,931	-	Environmental Health	Subaward# 1-340-0215502-52722L	Research Triangle Institute	
93.113	I	135,048	-	Environmental Health	2017-001	SeaTox Research Inc	
93.113	I	24,010	-	Environmental Health	M1901895	Texas A&M Univ.	
93.113	I	18,122	-	Environmental Health	473256	Univ of Arizona	
93.116	D	1,676,945	740,153	Project Grants and Cooperative Agreements for Tuberculosis Control Programs			
93.121	D	157,487	-	Oral Diseases and Disorders Research			
93.121	I	(92)	-	Oral Diseases and Disorders Research	000407304-001	Univ Of Alabama	
93.121	I	781	-	Oral Diseases and Disorders Research	U19-DE-22516	University of Alabama at Birmingham	
93.121	I	69,989	-	Oral Diseases and Disorders Research	2017-3474	University of California	
93.121	I	24,923	-	Oral Diseases and Disorders Research	UFDSP00012307; P0051622	University of Florida	
93.121	I	210,399	-	Oral Diseases and Disorders Research	PT112270-SC107121	Virginia Commonwealth Univ	
93.124	D	189,238	-	Nurse Anesthetist Traineeship			
93.127	D	109,672	-	Emergency Medical Services for Children			
93.130	D	202,372	-	Cooperative Agreements to States/Territories for the Coordination and Development of Primary Care Offices			
93.136	D	4,564,298	437,639	Injury Prevention and Control Research and State and Community Based Programs			
93.143	I	3,557	-	NIEHS Superfund Hazardous Substances Basic Research and Education	5(GG013322-20)	Columbia University	
93.143	I	964	-	NIEHS Superfund Hazardous Substances Basic Research and Education	5(GG0133322-04)	Columbia University	
93.143	I	25,866	-	NIEHS Superfund Hazardous Substances Basic Research and Education	A03-1122	Duke University	
93.143	I	1,460	-	NIEHS Superfund Hazardous Substances Basic Research and Education	203-6119	Duke University	
93.143	I	135,886	-	NIEHS Superfund Hazardous Substances Basic Research and Education	203-7058	Duke University	
93.143	I	291,773	-	NIEHS Superfund Hazardous Substances Basic Research and Education	02-M1800350	Texas A&M Univ.	
93.145	I	61,143	-	HIV-Related Training and Technical Assistance	4500002800	Boston Univ	
93.145	I	31,483	-	HIV-Related Training and Technical Assistance	Subaward No. 4500002431 / YR 2	Boston Univ	
93.150	D	1,222,173	1,217,406	Projects for Assistance in Transition from Homelessness (PATH)			
93.153	D	647,657	-	Coordinated Services and Access to Research for Women, Infants, Children, and Youth			
93.155	I	60,510	-	Rural Health Research Centers	3200002175-19-153	University of Kentucky Research Foundation	
93.155	I	6,958	-	Rural Health Research Centers	3200002175-19-186	University of Kentucky Research Foundation	
93.155	I	54,174	-	Rural Health Research Centers	PO#78000004013	University of Kentucky Research Foundation	
93.165	D	113,434	-	Grants to States for Loan Repayment Program			
93.172	D	206,768	-	Human Genome Research			
93.172	I	10,208	-	Human Genome Research	3021142	Duke University	
93.173	D	310,671	-	Research Related to Deafness and Communication Disorders			
93.173	I	19,956	-	Research Related to Deafness and Communication Disorders	1090527 - 396355	Carnegie Mellon University (CMU)	
93.191	D	554,801	-	Graduate Psychology Education			
93.197	D	295,620	-	Childhood Lead Poisoning Prevention Projects, State and Local Childhood Lead Poisoning Prevention and Surveillance of Blood Lead Levels in Children			
93.211	D	325,213	67,007	Telehealth Programs			
93.213	D	382,554	-	Research and Training in Complementary and Integrative Health			
93.213	I	4,284	-	Research and Training in Complementary and Integrative Health	TACT2 Trial to Access Chelatio	Mount Sinai Medical Center	
93.213	I	51,914	-	Research and Training in Complementary and Integrative Health	11000465-028	Purdue University	

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93.213	I	1,501	-	Research and Training in Complementary and Integrative Health	4102-70443	Purdue University	
93.213	I	74,666	-	Research and Training in Complementary and Integrative Health	Subaward No:UFDSP00010628	University of Florida	
93.213	I	19,725	-	Research and Training in Complementary and Integrative Health	UFDSP00010627	University of Florida	
93.213	I	6,048	-	Research and Training in Complementary and Integrative Health	BPO10966	University of Washington	
93.213	I	347,174	-	Research and Training in Complementary and Integrative Health	Subaward #132416 GOO	Washington State University	
93.217	D	4,952,405	3,909,199	Family Planning Services			
93.226	D	112,108	40,206	Research on Healthcare Costs, Quality and Outcomes			
93.226	I	26,414	-	Research on Healthcare Costs, Quality and Outcomes	2032514	Duke University	
93.226	I	18,243	-	Research on Healthcare Costs, Quality and Outcomes	WFUHS 118148	Wake Forest University Health Science	
93.234	D	118,711	115,927	Traumatic Brain Injury State Demonstration Grant Program			
93.235	D	2,185,715	-	Title V State Sexual Risk Avoidance Education (Title V State SRAE) Program			
93.236	D	15,763	-	Grants to States to Support Oral Health Workforce Activities			
93.240	D	253,749	-	State Capacity Building			
93.241	D	611,243	155,665	State Rural Hospital Flexibility Program			
93.242	D	515,911	18,847	Mental Health Research Grants			
93.242	I	5,105	-	Mental Health Research Grants	A030528	Duke University	
93.242	I	15,895	-	Mental Health Research Grants	60067476	Ohio State Univ	
93.242	I	5,954	-	Mental Health Research Grants	PIN 2019-175NCSU	Pinnacle Technology, Inc.	
93.243	D	2,245,226	1,877,170	Substance Abuse and Mental Health Services Projects of Regional and National Significance			
93.243	I	22,877	-	Substance Abuse and Mental Health Services Projects of Regional and National Significance	1H79T1081046-01	Brunswick County	
93.243	I	7,365	-	Substance Abuse and Mental Health Services Projects of Regional and National Significance	5H79TI026129-03	Brunswick County	
93.243	I	12,420	-	Substance Abuse and Mental Health Services Projects of Regional and National Significance	UNCW 03	County of Brunswick	
93.243	I	17,136	-	Substance Abuse and Mental Health Services Projects of Regional and National Significance	UNCW- SAMHSA-01	County of Brunswick	
93.243	I	76,725	-	Substance Abuse and Mental Health Services Projects of Regional and National Significance	1H79TI026778	Harnett County	
93.243	I	256,355	19,900	Substance Abuse and Mental Health Services Projects of Regional and National Significance	HBCU CFE 18-17/18	Morehouse School of Medicine	
93.247	D	1,903,315	40,474	Advanced Nursing Education Workforce Grant Program			
93.251	D	333,195	49,651	Universal Newborn Hearing Screening			
93.262	D	156,434	20,000	Occupational Safety and Health Program			
93.262	I	6,517	-	Occupational Safety and Health Program	3210001070-19-126	NIOSH - University of Kentucky	
93.262	I	35,566	-	Occupational Safety and Health Program	4885/120715 PO0000128920	State of Rhode Island	
93.262	I	1,711	-	Occupational Safety and Health Program	6402-1090-00-A	Univ Of South Florida	
93.262	I	29,523	10,500	Occupational Safety and Health Program	3210000762-18-189 PO780004084	Univ of Kentucky Research Found	
93.262	I	6,977	-	Occupational Safety and Health Program	3210001068-19-121/PO7800004670	Univ of Kentucky Research Found	
93.262	I	6,751	-	Occupational Safety and Health Program	PO 7800004573/3210001070-19-12	Univ of Kentucky Research Found	
93.262	I	10,626	-	Occupational Safety and Health Program	3210001070-19/PO#7800004559	University of Kentucky	
93.268	D	139,350,853	2,423,815	Immunization Cooperative Agreements			
93.270	D	495,032	47,002	Viral Hepatitis Prevention and Control			
93.273	D	1,220,451	24,564	Alcohol Research Programs			
93.273	I	10,930	-	Alcohol Research Programs	2036469	Duke University	
93.273	I	26,353	-	Alcohol Research Programs	2037835	Duke University	
93.273	I	(8,560)	-	Alcohol Research Programs	500693 NCSU	Feinstein Inst For Medical Res	
93.273	I	42,665	-	Alcohol Research Programs	2017-1740	Kwj Engineering	
93.273	I	334,800	-	Alcohol Research Programs	5304-UNC-DHHS-2931	Pennsylvania State University	
93.276	D	114,430	-	Drug-Free Communities Support Program Grants			
93.276	I	12,000	-	Drug-Free Communities Support Program Grants	2975-2018-0377	Center for Prevention Services	
93.279	D	1,433,052	281,297	Drug Abuse and Addiction Research Programs			
93.279	I	33,483	-	Drug Abuse and Addiction Research Programs	A030242	Duke University	
93.279	I	18,059	-	Drug Abuse and Addiction Research Programs	500392-78053	Northeastern University	
93.279	I	59,146	-	Drug Abuse and Addiction Research Programs	261444	Temple University	
93.279	I	5,457	-	Drug Abuse and Addiction Research Programs	361052-04760-02	Temple University	
93.279	I	(32,428)	-	Drug Abuse and Addiction Research Programs	122812-G003334	Washington State University	
93.286	D	2,257,419	475,298	Discovery and Applied Research for Technological Innovations to Improve Human Health			
93.286	I	77,263	-	Discovery and Applied Research for Technological Innovations to Improve Human Health	KK1944	UC Santa Barbara	

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93.286	I	(502)	-	Discovery and Applied Research for Technological Innovations to Improve Human Health	1553725/ PO 1000653369	Univ Of Colorado - Boulder	
93.297	D	575,904	352,729	Teenage Pregnancy Prevention Program			
93.301	D	485,184	-	Small Rural Hospital Improvement Grant Program			
93.305	D	1,537,591	555,121	PPHF 2018: Office of Smoking and Health-National State-Based Tobacco Control Programs-Financed in part by 2018 Prevention and Public Health funds (PPHF)			
93.307	D	1,059,064	658,152	Minority Health and Health Disparities Research			
93.307	I	113,845	-	Minority Health and Health Disparities Research	HU-140004	Hampton University	
93.307	I	58,651	-	Minority Health and Health Disparities Research	HU-150006	Hampton University	
93.307	I	536,622	-	Minority Health and Health Disparities Research	HU-160024	Hampton University	
93.307	I	65,558	-	Minority Health and Health Disparities Research	Subaward No: HU - 190006	Hampton University	
93.307	I	28,911	-	Minority Health and Health Disparities Research	60044313 NCSU YEAR 2	Northwestern University	
93.307	I	62,709	-	Minority Health and Health Disparities Research	127687 G003655	USDHHS via Washington State University	
93.310	D	181,839	16,053	Trans-NIH Research Support			
93.310	I	59,749	-	Trans-NIH Research Support	2036047; 2036757	Duke Univ	
93.310	I	150,223	-	Trans-NIH Research Support	2036757	Duke Univ	
93.310	I	88,419	-	Trans-NIH Research Support	A030547	Duke University	
93.314	D	114,792	-	Early Hearing Detection and Intervention Information System (EHDI-IS) Surveillance Program			
93.319	D	280,085	-	Outreach Programs to Reduce the Prevalence of Obesity in High Risk Rural Areas			
93.323	D	3,274,324	435,651	Epidemiology and Laboratory Capacity for Infectious Diseases (ELC)			
93.323	I	39,558	-	Epidemiology and Laboratory Capacity for Infectious Diseases (ELC)	00037442	USDHHS	
93.324	D	1,359,183	507,237	State Health Insurance Assistance Program			
93.336	D	274,715	-	Behavioral Risk Factor Surveillance System			
93.350	I	41,083	-	National Center for Advancing Translational Sciences	C00061087-3	Univ Of Missouri - Columbia	
93.351	D	959,405	28,652	Research Infrastructure Programs			
93.351	I	99,037	-	Research Infrastructure Programs	18-SUBC-440-0000392244	Smithsonian Institution	
93.354	D	1,335,894	1,115,414	Public Health Emergency Response: Cooperative Agreement for Emergency Response: Public Health Crisis Response			
93.359	D	1,013,022	232,741	Nurse Education, Practice Quality and Retention Grants			
93.361	D	86,946	-	Nursing Research			
93.361	I	44,647	-	Nursing Research	304482/PO#3100599518	Children's Hospital Med Center	
93.361	I	57,034	-	Nursing Research	2035601	Duke Univ	
93.361	I	14,373	-	Nursing Research	A031184	Duke Univ	
93.361	I	5,199	-	Nursing Research	MUSC18-052-8B248	Medical University of South Carolina	
93.361	I	23,376	-	Nursing Research	10037474-UNC	University of Utah	
93.389	D	255,325	-	National Center for Research Resources			
93.391	I	18,349	-	Activities to Support State, Tribal, Local and Territorial (STLT) Health Department Response to Public Health or Healthcare Crises	2018-110701	CDC via NACCHO	
93.393	D	1,298,193	257,511	Cancer Cause and Prevention Research			
93.393	I	10,956	-	Cancer Cause and Prevention Research	2975-17-0453	Dualogics, LLC	
93.393	I	14,633	-	Cancer Cause and Prevention Research	2975-2019-0371	Radiant Creative Group, LLC	
93.393	I	23,901	-	Cancer Cause and Prevention Research	UFDSP00011890 P0032835	Univ Of Florida	
93.393	I	162	-	Cancer Cause and Prevention Research	UFDSP00011092	University of Florida	
93.394	I	50,477	-	Cancer Detection and Diagnosis Research	RC108375UNC	Michigan State University	
93.394	I	11,616	-	Cancer Detection and Diagnosis Research	10695SC	Univ Of Cal - San Francisco	
93.394	I	22,809	-	Cancer Detection and Diagnosis Research	10696SC	Univ Of Cal - San Francisco	
93.394	I	173,677	-	Cancer Detection and Diagnosis Research	1552592/PO:1000500405	Univ Of Colorado - Boulder	
93.394	I	23,129	-	Cancer Detection and Diagnosis Research	17-3177 / PO# 2000029462	Univ Of South Carolina	
93.395	D	1,054,793	363,923	Cancer Treatment Research			
93.395	I	1,589	-	Cancer Treatment Research	RTOG 1005	Amer Coll of Radiology	
93.395	I	15,716	-	Cancer Treatment Research	U10CA021661 / RTOG 0848	Amer Coll of Radiology	
93.395	I	86,606	-	Cancer Treatment Research	4500002674	Boston University	
93.395	I	3,576	-	Cancer Treatment Research	R15CA192936-UNCG	Campbell University	
93.395	I	2,286	-	Cancer Treatment Research	A011106 / ALTERNATE	Cancer and Leukemia Group B	
93.395	I	462	-	Cancer Treatment Research	A211401	Cancer and Leukemia Group B	
93.395	I	2,323	-	Cancer Treatment Research	N1048-(PROSPECT)/ALLIANCE	Cancer and Leukemia Group B	
93.395	I	13,671	-	Cancer Treatment Research	9500080215-12C	Childrens Hosp of Philadelphia	
93.395	I	25,415	-	Cancer Treatment Research	9500080216-13C	Childrens Hosp of Philadelphia	
93.395	I	5,043	-	Cancer Treatment Research	ALL1131 FOR MRI	Childrens Hosp of Philadelphia	
93.395	I	7,446	-	Cancer Treatment Research	FP00017458-SUB100-01	Childrens Hosp of Philadelphia	
93.395	I	5,769	-	Cancer Treatment Research	CTA #CT005	CivaTech Oncology	
93.395	I	14,242	-	Cancer Treatment Research	2037321	Duke University	

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93.395	I	199,037	-	Cancer Treatment Research	2037365	Duke University	
93.395	I	2,382	-	Cancer Treatment Research	NRG-BR003	NRG Oncology	
93.395	I	9,696	-	Cancer Treatment Research	Protocol NSABP-51 / RTOG-1304	NRG Oncology	
93.395	I	2,296	-	Cancer Treatment Research	B-43	Natl Surgical Adjuvant Breast and Bowel Project	
93.395	I	226,333	117,485	Cancer Treatment Research	PO1CA125066	Ohio State University	
93.395	I	143,446	-	Cancer Treatment Research	GB10232. 156228	Univ of Virginia	
93.396	D	1,007,451	75,867	Cancer Biology Research			
93.397	D	180,478	-	Cancer Centers Support Grants			
93.397	I	15,574	-	Cancer Centers Support Grants	ASUB08	Arizona State Univ.	
93.397	I	4,493	-	Cancer Centers Support Grants	PROTOCOL A011202 / ALLIANCE	Cancer and Leukemia Group B	
93.398	D	38,550	-	Cancer Research Manpower			
93.399	I	301	-	Cancer Control	8461	Univ of Chicago	
93.399	I	12,399	-	Cancer Control	N107C ALLIANCE	Univ of Chicago	
93.426	D	940,708	-	Improving the Health of Americans through Prevention and Management of Diabetes and Heart Disease and Stroke-Financed in part by 2018 Prevention and Public Health Funds			
93.433	I	6,334	-	ACL National Institute on Disability, Independent Living, and Rehabilitation Research	5601	Rehabilitation Inst Of Chicago	
93.433	I	27,824	-	ACL National Institute on Disability, Independent Living, and Rehabilitation Research	SRALAB Ref # 7249 / 82261	Rehabilitation Inst Of Chicago	
93.433	I	8,781	-	ACL National Institute on Disability, Independent Living, and Rehabilitation Research	PO# WA00768510	University of Massachusetts	
93.434	D	193,342	20,580	Every Student Succeeds Act/Preschool Development Grants			
93.435	D	48,471	-	Innovative State and Local Public Health Strategies to prevent and Manage Diabetes and Heart Disease and Stroke-			
93.436	D	356,397	144,246	WELL-INTEGRATED SCREENING AND EVALUATION FOR WOMEN ACROSS THE NATION (WISEWOMAN)			
93.439	D	186,442	32,924	State Physical Activity and Nutrition (SPAN			
93.500	D	44,662	-	Pregnancy Assistance Fund Program			
93.505	I	2	-	Affordable Care Act (ACA) Maternal, Infant, and Early Childhood Home Visiting Program	14-07-5-01-078-0	Montana State Government	
93.516	I	28,879	-	Public Health Training Centers Program	T657422(T470332)	Emory University	
93.516	I	24,760	-	Public Health Training Centers Program	T983739	Emory University	
93.521	D	45,321	-	The Affordable Care Act: Building Epidemiology, Laboratory, and Health Information Systems Capacity in the Epidemiology and Laboratory Capacity for Infectious Disease (ELC) and Emerging Infections Program (EIP) Cooperative Agreements; PPHF			
93.539	D	4,347	4,347	PPHF Capacity Building Assistance to Strengthen Public Health Immunization Infrastructure and Performance financed in part by Prevention and Public Health Funds			
93.556	D	14,407,832	12,135,997	Promoting Safe and Stable Families			
93.560	D	(17,264)	-	Family Support Payments to States Assistance Payments			
93.563	D	108,010,581	92,601,789	Child Support Enforcement			
93.566	D	4,698,617	3,685,753	Refugee and Entrant Assistance State/Replacement Designee Administered Programs			
93.568	D	94,548,828	90,746,387	Low-Income Home Energy Assistance			
93.569	D	17,171,581	15,715,045	Community Services Block Grant			
93.576	D	322,476	239,221	Refugee and Entrant Assistance Discretionary Grants			
93.584	D	477,745	457,518	Refugee and Entrant Assistance Targeted Assistance Grants			
93.586	D	556,458	-	State Court Improvement Program			
93.590	D	1,229,777	1,110,193	Community-Based Child Abuse Prevention Grants			
93.597	D	320,466	-	Grants to States for Access and Visitation Programs			
93.599	D	958,475	958,475	Chafee Education and Training Vouchers Program (ETV)			
93.600	D	171,383	-	Head Start			
93.600	I	67,971	-	Head Start	F-205782	Guilford Child Development	
93.603	D	309,950	-	Adoption and Legal Guardianship Incentive Payments			
93.610	I	24,031	-	Health Care Innovation Awards (HCIA)	2016-1866	Community Care Of Nc Services	
93.630	D	1,801,470	672,701	Developmental Disabilities Basic Support and Advocacy Grants			
93.643	D	290,139	88,142	Children's Justice Grants to States			
93.645	D	8,046,498	4,295,428	Stephanie Tubbs Jones Child Welfare Services Program			
93.647	I	24,533	-	Social Services Research and Demonstration	90PH0025-02-00	Child Trends	
93.647	I	54,751	-	Social Services Research and Demonstration	90PH0028-01-00	Child Trends	
93.652	I	10,420	-	Adoption Opportunities	183405361	University of Wisconsin Board of Regents	
93.652	I	36,667	-	Adoption Opportunities	193405403	University of Wisconsin Board of Regents	
93.658	D	109,457,726	98,043,496	Foster Care Title IV-E			
93.659	D	62,233,346	4,360,954	Adoption Assistance			
93.667	D	69,827,335	63,106,531	Social Services Block Grant			
93.669	D	671,182	18,722	Child Abuse and Neglect State Grants			
93.671	D	2,751,947	2,626,583	Family Violence Prevention and Services/Domestic Violence Shelter and Supportive Services			
93.674	D	2,854,347	2,664,659	Chafee Foster Care Independence Program			

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93.732	D	2,599,282	-	Mental and Behavioral Health Education and Training Grants			
93.734	D	236,918	84,282	Empowering Older Adults and Adults with Disabilities through Chronic Disease Self-Management Education Programs - financed by Prevention and Public Health Funds (PPHF)			
93.735	D	553,380	-	State Public Health Approaches for Ensuring QUILTINE Capacity - Funded in part by Prevention and Public Health Funds (PPHF)			
93.738	I	14,800	-	PPHF: Racial and Ethnic Approaches to Community Health Program financed solely by Public Prevention and Health Funds	PO# 2018279	Cabarrus Health Alliance	
93.753	D	57,987	-	Child Lead Poisoning Prevention Surveillance financed in part by Prevention and Public Health (PPHF) Program			
93.757	D	1,360,063	-	State and Local Public Health Actions to Prevent Obesity, Diabetes, Heart Disease and Stroke (PPHF)			
93.757	I	5,889	-	State and Local Public Health Actions to Prevent Obesity, Diabetes, Heart Disease and Stroke (PPHF)	2016-049309-002 PO#428829	Texas Dept. Of State Health	
93.758	D	(1,718,682)	-	Preventive Health and Health Services Block Grant funded solely with Prevention and Public Health Funds (PPHF)			
93.767	D	516,564,270	7,920,982	Children's Health Insurance Program			
93.779	D	148,415	21,663	Centers for Medicare and Medicaid Services (CMS) Research, Demonstrations and Evaluations			
93.788	D	27,031,485	24,216,470	Opioid STR			
93.791	D	5,368,415	-	Money Follows the Person Rebalancing Demonstration			
93.817	D	1,008,586	482,700	Hospital Preparedness Program (HPP) Ebola Preparedness and Response Activities			
93.837	D	2,344,551	72,048	Cardiovascular Diseases Research			
93.837	I	4,129	-	Cardiovascular Diseases Research	0255-A341-4605/MMRSMR LTFU	Mt. Sinai School of Medicine	
93.837	I	197,826	-	Cardiovascular Diseases Research	2016-1746	Profusa, Inc.	
93.837	I	3,411	-	Cardiovascular Diseases Research	1R41HL133633-01A1	RFPi LLC	
93.837	I	1,627	-	Cardiovascular Diseases Research	N006187424 / UMN 65083	Regents of the Univ of Minnesota	
93.837	I	(76)	-	Cardiovascular Diseases Research	60436087-107606-A	Stanford Univ	
93.837	I	48,892	-	Cardiovascular Diseases Research	1001768818	State University of Iowa	
93.837	I	435,805	-	Cardiovascular Diseases Research	000511972-002/SUH3HL130691-03	University of Alabama at Birmingham	
93.837	I	13,778	-	Cardiovascular Diseases Research	107812557	University of Southern California	
93.838	D	170,325	-	Lung Diseases Research			
93.838	I	439	-	Lung Diseases Research	Subaward 002 / RETHINC	COPD Foundation Inc	
93.838	I	24,104	-	Lung Diseases Research	Subaward No 001/Amend 1/2	COPD Foundation Inc	
93.838	I	88,577	-	Lung Diseases Research	A030449	Duke University	
93.839	D	386,525	68,158	Blood Diseases and Resources Research			
93.839	I	4,408	-	Blood Diseases and Resources Research	Subaward 2831742	Duke Univ	
93.839	I	28,340	-	Blood Diseases and Resources Research	MUSC17-050-8C868	Medical University of South Carolina	
93.839	I	295	-	Blood Diseases and Resources Research	FP00003310-SA003	Univ of Virginia	
93.846	D	1,187,908	10,934	Arthritis, Musculoskeletal and Skin Diseases Research			
93.846	I	243,071	-	Arthritis, Musculoskeletal and Skin Diseases Research	ZAT00020/1R01AR071263-01	University of Kansas Medical Center Research Inst Inc	
93.847	D	1,900,036	70,516	Diabetes, Digestive, and Kidney Diseases Extramural Research			
93.847	I	92,747	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	32307-13	Augusta University	
93.847	I	8,841	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	330182	Childrens Hosp of Philadelphia	
93.847	I	26,778	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	Subaward No. 3301820719	Childrens Hosp of Philadelphia	
93.847	I	38,858	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	1(GG011644-01)	Columbia University	
93.847	I	16,225	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	Subaward No 203-7924	Duke Univ	
93.847	I	38,601	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	A030489	Duke University	
93.847	I	10,063	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	0000917572	Fred Hutchinson Cancer Res Cen	
93.847	I	4,293	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	700043-0518-00	Nationwide Childrens Hosp	
93.847	I	24,333	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	700043-0519-00	Nationwide Childrens Hosp	
93.847	I	30,063	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	FY19.001.019	USDHHS via University of Colorado	
93.847	I	116,673	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	VUMC 62470	Vanderbilt University	
93.853	D	1,384,764	4,466	Extramural Research Programs in the Neurosciences and Neurological Disorders			
93.853	I	2,265	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	2117-209-2013228	Clemson University	
93.853	I	31,689	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	2036795	Duke University	
93.853	I	2,910	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	2037079	Duke University	
93.853	I	41,340	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	2037463	Duke University	
93.853	I	19,405	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	A030772	Duke University	
93.853	I	38,865	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	S19007	Kansas State Univ	
93.853	I	20,986	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	2019-1338	Soymeds, Inc	
93.853	I	18,874	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	NO. 569935 PO# 4134043	Univ Of Pennsylvania	
93.853	I	27,667	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	00107151/UFDSP00010694	University of Florida	

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)

For the Fiscal Year Ended June 30, 2019

Federal CFDA Number	Direct / Indirect	Program Expenditures	Amount Provided to Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
93.855	D	2,926,696	461,196	Allergy and Infectious Diseases Research			
93.855	I	16,497	-	Allergy and Infectious Diseases Research	008-1117	Agile Sciences	
93.855	I	109,160	-	Allergy and Infectious Diseases Research	3210871219/ PO 961879SUB	Childrens Hosp of Philadelphia	
93.855	I	(8,060)	-	Allergy and Infectious Diseases Research	G-2544-1	Colorado State Univ.	
93.855	I	881	-	Allergy and Infectious Diseases Research	DUKE SPS#189925/235058(ACUMIN)	Duke Univ	
93.855	I	57,160	-	Allergy and Infectious Diseases Research	3021231	Duke University	
93.855	I	52,024	-	Allergy and Infectious Diseases Research	3021232	Duke University	
93.855	I	69,879	-	Allergy and Infectious Diseases Research	0000936572	Fred Hutchinson Cancer Research Center	
93.855	I	23,847	-	Allergy and Infectious Diseases Research	0000979752	Fred Hutchinson Cancer Research Center	
93.855	I	74,649	-	Allergy and Infectious Diseases Research	700154-0119-00	Nationwide Children's Hospital	
93.855	I	(620)	-	Allergy and Infectious Diseases Research	2016-0593	Nirvana Sciences, Inc.	
93.855	I	7,002	-	Allergy and Infectious Diseases Research	2019-0698	Nirvana Sciences, Inc.	
93.855	I	2,697	-	Allergy and Infectious Diseases Research	A18-0078-S001	The Board of Trustees of Illinois State	
93.855	I	46,651	-	Allergy and Infectious Diseases Research	201303042-02	Univ Of Cal - Davis	
93.855	I	24,802	-	Allergy and Infectious Diseases Research	87251207	Univ of Southern California	
93.855	I	16,834	-	Allergy and Infectious Diseases Research	UFDSP0012191 P0084475	University of Florida	
93.855	I	58,983	-	Allergy and Infectious Diseases Research	GR100603 (CON-80000936)	Yale University	
93.856	D	18,275	15,627	Microbiology and Infectious Diseases Research			
93.859	D	6,523,992	185,930	Biomedical Research and Research Training			
93.859	I	39,205	-	Biomedical Research and Research Training	2018-06	Arkansas College of Health Education	
93.859	I	14,342	-	Biomedical Research and Research Training	2018_006	Bowdoin College	
93.859	I	17,747	-	Biomedical Research and Research Training	G1A62667-3	Northern Illinois University	
93.859	I	582	-	Biomedical Research and Research Training	Subaward No: 5105489	University of NC Chapel Hill	
93.865	D	2,791,989	94,984	Child Health and Human Development Extramural Research			
93.865	I	9,929	-	Child Health and Human Development Extramural Research	Subaward 2831952/SPS 240023	Duke Univ	
93.865	I	31,091	-	Child Health and Human Development Extramural Research	2037340	Duke University	
93.865	I	24,590	-	Child Health and Human Development Extramural Research	A03-1205	Duke University	
93.865	I	99,327	-	Child Health and Human Development Extramural Research	3021051	Duke University	
93.865	I	32,765	-	Child Health and Human Development Extramural Research	3730 (Cost Center 81370)	Rehabilitation Inst Of Chicago	
93.865	I	5,243	-	Child Health and Human Development Extramural Research	PO # 88167-1/ KFS# 5633480	University of Connecticut	
93.865	I	31,124	-	Child Health and Human Development Extramural Research	WFUHS 112761	Wake Forest University Health Sciences	
93.866	D	2,084,248	38,974	Aging Research			
93.866	I	332,439	-	Aging Research	9SB1AG059313	Cytex Therapeutics, Inc	
93.866	I	30,583	-	Aging Research	PO# PM00495959/SP00012985-01	Georgia State University	
93.866	I	3,409	-	Aging Research	AS-1926 FKA Subaward XT-1730	Hennepin Healthcare Research Institute	
93.866	I	875	-	Aging Research	2019-0684	Karmedica Inc.	
93.866	I	17,004	-	Aging Research	527258	Scripps Research Inst	
93.866	I	37,891	-	Aging Research	Subaward # 667146	University of Miami	
93.866	I	3,278	-	Aging Research	Subaward No. 667607	University of Miami	
93.866	I	5,200	-	Aging Research	3003913736/P01AG02940910	University of Michigan	
93.866	I	7,539	-	Aging Research	432102-19071	Virginia Polytech Inst.	
93.866	I	6,291	-	Aging Research	ASPREE	Wake Forest Univ	
93.866	I	3,891	-	Aging Research	WFUHS 30209/30215/330216/20/21	Wake Forest Univ	
93.866	I	3,247	-	Aging Research	132471 G003960	Washington State Univ	
93.867	D	258,685	55,148	Vision Research			
93.870	D	3,189,057	2,423,661	Maternal, Infant and Early Childhood Home Visiting Grant Program			
93.876	D	100,850	-	Antimicrobial Resistance Surveillance in Retail Food Specimens			
93.879	I	1,797	-	Medical Library Assistance	1600679	Univ Of Maryland Balt. County	
93.879	I	13,871	-	Medical Library Assistance	1600679/PO # SR00005225	Univ of Maryland	
93.881	D	562,292	-	The Health Insurance Enforcement and Consumer Protections Grant Program			
93.884	D	571,723	-	Grants for Primary Care Training and Enhancement			
93.898	D	4,271,018	1,797,965	Cancer Prevention and Control Programs for State, Territorial and Tribal Organizations			
93.913	D	139,800	-	Grants to States for Operation of State Offices of Rural Health			
93.917	D	46,020,107	6,683,947	HIV Care Formula Grants			
93.918	D	913,728	-	Grants to Provide Outpatient Early Intervention Services with Respect to HIV Disease			
93.926	D	2,397,863	1,093,291	Healthy Start Initiative			
93.928	D	25,715	-	Special Projects of National Significance			
93.933	I	75,123	40,673	Demonstration Projects for Indian Health	WCU-1400-01	USDHHS via USET	
93.940	D	9,621,792	1,649,085	HIV Prevention Activities Health Department Based			
93.941	D	23,347	-	HIV Demonstration, Research, Public and Professional Education Projects			
93.944	D	588,527	-	Human Immunodeficiency Virus (HIV)/Acquired Immunodeficiency Virus Syndrome (AIDS) Surveillance			

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)

For the Fiscal Year Ended June 30, 2019

Federal CFDA Number	Direct / Indirect	Program Expenditures	Amount Provided to Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
93.945	D	272,834	43,313	Assistance Programs for Chronic Disease Prevention and Control			
93.946	D	134,148	-	Cooperative Agreements to Support State-Based Safe Motherhood and Infant Health Initiative Programs			
93.958	D	12,636,014	11,297,558	Block Grants for Community Mental Health Services			
93.959	D	40,408,654	36,692,473	Block Grants for Prevention and Treatment of Substance Abuse			
93.969	D	754,107	99,829	PPHF Geriatric Education Centers			
93.977	D	2,761,798	12,065	Sexually Transmitted Diseases (STD) Prevention and Control Grants			
93.981	D	283,929	-	Improving Student Health and Academic Achievement through Nutrition, Physical Activity and the Management of Chronic Conditions in Schools			
93.991	D	6,437,404	5,124,830	Preventive Health and Health Services Block Grant			
93.991	I	45,964	-	Preventive Health and Health Services Block Grant	CY-6-466	Scdhec	
93.994	D	19,770,945	16,363,572	Maternal and Child Health Services Block Grant to the States			
93.U01	D	87,785	-	U. S. Department of Health and Human Services			#HHSF223201310161C
93.U02	D	440,061	-	U. S. Department of Health and Human Services			#HHSF223201810167C
93.U03	I	2,748	-	U. S. Department of Health and Human Services	Contract Dated 12/09/17	DHHS OPHS Office on Women's Health (OWH)	G-280963
93.U04	D	(633)	-	U. S. Department of Health and Human Services			HHSF223201410374A
		<u>1,465,525,170</u>	<u>543,994,694</u>	Total — Other Programs — U. S. Department of Health and Human Services			
Corporation for National and Community Service							
94.002	D	144,517	-	Retired and Senior Volunteer Program			
94.003	D	283,217	-	State Commissions			
94.006	D	2,930,195	2,930,195	AmeriCorps			
94.009	D	223,002	-	Training and Technical Assistance			
94.019	D	1,116,272	253,378	Social Innovation Fund			
94.019	I	241,418	-	Social Innovation Fund	Contract No.303:17/18-001	Nc Partnership For Children	
94.026	I	34,706	-	National Service and Civic Engagement Research Competition	18-393	Arizona State University	
		<u>4,973,327</u>	<u>3,183,573</u>	Total — Other Programs — Corporation for National and Community Service			
Social Security Administration							
96.008	D	262,301	-	Social Security - Work Incentives Planning and Assistance Program			
96.U01	D	210,052	-	U. S. Social Security Administration			DASIS Contract# 283-07-4803
		<u>472,353</u>	<u>-</u>	Total — Other Programs — Social Security Administration			
U. S. Department of Homeland Security							
97.005	I	188,595	-	State and Local Homeland Security National Training Program	FY15-00190-03-NCCU; FY17-0052-S01-NCCU; FY18 - 00075 - S01 - NCCU	Center for Rural Development, Inc.	
97.012	D	3,128,886	-	Boating Safety Financial Assistance			
97.012	I	27,056	-	Boating Safety Financial Assistance	170221	National Safe Boating Council	
97.023	D	540,734	-	Community Assistance Program State Support Services Element (CAP-SSSE)			
97.029	D	2,566,105	2,291,833	Flood Mitigation Assistance			
97.032	D	4,177,258	-	Crisis Counseling			
97.036	D	202,269,536	83,633,985	Disaster Grants - Public Assistance (Presidentially Declared Disasters)			
97.039	D	4,998,641	4,231,520	Hazard Mitigation Grant			
97.041	D	182,063	-	National Dam Safety Program			
97.042	D	8,848,421	4,667,654	Emergency Management Performance Grants			
97.043	D	26,837	-	State Fire Training Systems Grants			
97.044	D	1,633,998	212,748	Assistance to Firefighters Grant			
97.045	D	4,222,371	-	Cooperating Technical Partners			
97.046	D	6,508,167	-	Fire Management Assistance Grant			
97.047	D	159,689	64,706	Pre-Disaster Mitigation			
97.056	D	156,026	-	Port Security Grant Program			
97.061	I	47,825	-	Centers for Homeland Security	Contingency Fund 09-13-2017	Arizona State University	
97.061	I	6,482	-	Centers for Homeland Security	Subaward No: 18-484	Arizona State University	
97.061	I	14,311	-	Centers for Homeland Security	E2042937/ RC108504 ECU	Michigan State Univ	
97.062	D	1,018,941	360	Scientific Leadership Awards			
97.067	D	8,000,572	5,734,193	Homeland Security Grant Program			
97.082	D	20,157	-	Earthquake Consortium			
97.083	I	54,619	-	Staffing for Adequate Fire and Emergency Response (SAFER)	070218	International Association of Fire Chiefs Inc	
97.088	D	1,779,896	-	Disaster Assistance Projects			

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)

For the Fiscal Year Ended June 30, 2019

Federal CFDA Number	Direct / Indirect	Program Expenditures	Amount Provided to Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
97.108	I	191,014	-	Homeland Security, Research, Testing, Evaluation, and Demonstration of Technologies	2018-0843	Higher Dimension Materials Inc	
97.U01	D	5,633	-	U. S. Department of Homeland Security			Mobile Security Management Tool
		<u>250,773,833</u>	<u>100,836,999</u>	Total — Other Programs — U. S. Department of Homeland Security			
<u>United States Agency for International Development</u>							
98.001	I	6,522	-	USAID Foreign Assistance for Programs Overseas	F9000735402006	Purdue University	
98.001	I	39,050	-	USAID Foreign Assistance for Programs Overseas	F9002795702004	Purdue University	
98.001	I	24,650	5,827	USAID Foreign Assistance for Programs Overseas	06-S131628	Texas A M University	
98.001	I	54,432	-	USAID Foreign Assistance for Programs Overseas	SUB00001723	Univ Of Georgia	
98.001	I	30,951	-	USAID Foreign Assistance for Programs Overseas	Subaward # 2015-06391-02	University Of Illinois-Urbana-Champaign	
98.001	I	11,223	-	USAID Foreign Assistance for Programs Overseas	451375-19071	Virginia Polytech Inst.	
98.012	I	4,540	-	USAID Development Partnerships for University Cooperation and Development	RC102095-W1003	Michigan State University	
98.012	I	(16)	-	USAID Development Partnerships for University Cooperation and Development	RC710-077/S001334	Univ Of Georgia	
98.U01	I	10,158	-	United States Agency for International Development	RC102095BHEARD-MALAWI	Michigan State University	2015-1922
		<u>181,510</u>	<u>5,827</u>	Total — Other Programs — United States Agency for International Development			
<u>Other Federal Assistance</u>							
99.U01	I	131,384	-	Other Federal Assistance	1545	Corporate for Public	N/A
		<u>131,384</u>	-	Total — Other Programs — Other Federal Assistance			
		<u>3,603,511,278</u>	<u>1,602,059,425</u>	Total — Other Programs			
		<u>\$21,496,445,575</u>	<u>\$3,501,404,996</u>	TOTAL EXPENDITURES OF FEDERAL AWARDS			

N/A = Not Available

D = Direct Federal Assistance – Assistance received directly from the federal government or received in a pass-through relationship from other State entities.

I = Indirect Federal Assistance – Assistance received in a pass-through relationship from entities other than the federal government or other State entities.

The accompanying notes are an integral part of this schedule.

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (BY STATE AGENCY)

For the Fiscal Year Ended June 30, 2019

Federal CFDA Number	Direct/ Indirect	Program Expenditures	CFDA Program Title	Pass -Through Number	Pass -Through Entity Name	Additional Award Information
<i>Primary Government</i>						
<u>N. C. Administrative Office of the Courts</u>						
16.540	D	22,867	Juvenile Justice and Delinquency Prevention			
16.585	D	116,118	Drug Court Discretionary Grant Program			
16.585	I	117,752	Drug Court Discretionary Grant Program	2016-DC-BX-0020	Harnett County	
16.590	D	204,546	Grants to Encourage Arrest Policies and Enforcement of Protection Orders Program			
16.590	I	101,595	Grants to Encourage Arrest Policies and Enforcement of Protection Orders Program	2017-WE-AX-0026	Haywood County	
16.756	I	31,000	Court Appointed Special Advocates	NC10922-18-1018C	National CASA Association	
16.820	D	249,775	Postconviction Testing of DNA Evidence			
16.836	D	3,496	Indigent Defense			
93.243	I	22,877	Substance Abuse and Mental Health Services Projects of Regional and National Significance	1H79T1081046-01	Brunswick County	
93.243	I	76,725	Substance Abuse and Mental Health Services Projects of Regional and National Significance	1H79TI026778	Harnett County	
93.243	I	7,365	Substance Abuse and Mental Health Services Projects of Regional and National Significance	5H79TI026129-03	Brunswick County	
93.586	D	556,458	State Court Improvement Program			
		<u>1,510,574</u>	Total — N. C. Administrative Office of the Courts			
<u>N. C. Department of Administration</u>						
14.871	D	4,494,232	Section 8 Housing Choice Vouchers			
17.265	D	263,953	Native American Employment and Training			
39.003	D	1,129,214	Donation of Federal Surplus Personal Property			
93.671	D	2,751,947	Family Violence Prevention and Services/Domestic Violence Shelter and Supportive Services			
		<u>8,639,346</u>	Total — N. C. Department of Administration			
<u>N. C. Department of Agriculture and Consumer Services</u>						
10.025	D	1,969,377	Plant and Animal Disease, Pest Control, and Animal Care			
10.153	D	5,000	Market News			
10.163	D	268,051	Market Protection and Promotion			
10.170	D	1,036,855	Specialty Crop Block Grant Program - Farm Bill			
10.178	D	12,889,669	SNAP-Ed Toolkit			
10.203	D	325,896	Payments to Agricultural Experiment Stations Under the Hatch Act			
10.250	D	107,831	Agricultural and Rural Economic Research, Cooperative Agreements and Collaborations			
10.304	D	27,120	Homeland Security Agricultural			
10.475	D	4,437,293	Cooperative Agreements with States for Intrastate Meat and Poultry Inspection			
10.479	D	69,818	Food Safety Cooperative Agreements			
10.555	D	46,451,826	National School Lunch Program			
10.559	D	29,645	Summer Food Service Program for Children			
10.560	D	1,807,388	State Administrative Expenses for Child Nutrition			
10.565	D	867,455	Commodity Supplemental Food Program			
10.568	D	3,254,237	Emergency Food Assistance Program (Administrative Costs)			
10.569	D	22,824,815	Emergency Food Assistance Program (Food Commodities)			
10.652	D	409,097	Forestry Research			
10.664	D	4,014,318	Cooperative Forestry Assistance			
10.676	D	7,572	Forest Legacy Program			
10.678	D	50,277	Forest Stewardship Program			
10.680	D	509,833	Forest Health Protection			
10.683	D	34,479	National Fish and Wildlife Foundation			
10.902	D	519,539	Soil and Water Conservation			
10.U01	D	649,521	U. S. Department of Agriculture			Phytosanitary Fees
12.U01	D	1,434,252	U. S. Department of Defense			#DCBR-CA-10
15.615	D	110,797	Cooperative Endangered Species Conservation Fund			
66.605	D	819,034	Performance Partnership Grants			
93.103	D	1,861,934	Food and Drug Administration Research			
93.U01	D	87,785	U. S. Department of Health and Human Services			#HHSF223201310161C
93.U02	D	440,061	U. S. Department of Health and Human Services			#HHSF223201810167C
		<u>107,320,775</u>	Total — N. C. Department of Agriculture and Consumer Services			

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (BY STATE AGENCY)

For the Fiscal Year Ended June 30, 2019

Federal CFDA Number	Direct/ Indirect	Program Expenditures	CFDA Program Title	Pass -Through Number	Pass -Through Entity Name	Additional Award Information
<u>N. C. Department of Commerce</u>						
14.228	D	55,999,607	Community Development Block Grants/State's program and Non-Entitlement Grants in Hawaii			
17.002	D	1,412,421	Labor Force Statistics			
17.207	D	25,284,043	Employment Service/Wagner-Geysler Funded Activities			
17.225	D	248,756,768	Unemployment Insurance			
17.245	D	3,202,625	Trade Adjustment Assistance			
17.258	D	16,853,366	WIOA Adult Program			
17.259	D	31,435,079	WIOA Youth Activities			
17.271	D	565,984	Work Opportunity Tax Credit Program (WOTC)			
17.273	D	291,804	Temporary Labor Certification for Foreign Workers			
17.277	D	7,887,117	WIOA National Dislocated Worker Grants / WIA National Emergency Grants			
17.278	D	37,338,785	WIOA Dislocated Worker Formula Grants			
17.281	D	2,340,083	WIOA Dislocated Worker National Reserve Technical Assistance and Training			
17.801	D	5,385,029	Disabled Veterans' Outreach Program (DVOP)			
20.700	D	717,480	Pipeline Safety Program State Base Grant			
23.011	D	1,201,607	Appalachian Research, Technical Assistance, and Demonstration Projects			
		<u>438,671,798</u>	Total — N. C. Department of Commerce			
<u>N. C. Community College System</u>						
17.201	D	334,828	Registered Apprenticeship			
17.285	D	121,766	Apprenticeship USA Grants			
84.002	D	18,481,385	Adult Education - Basic Grants to States			
		<u>18,937,979</u>	Total — N. C. Community College System			
<u>N. C. Department of Cultural Resources</u>						
15.630	D	20,496	Coastal			
15.904	D	986,497	Historic Preservation Fund Grants-In-Aid			
15.916	D	160,871	Outdoor Recreation Acquisition, Development and Planning			
15.925	D	200,000	National Maritime Heritage Grants			
45.025	D	1,080,198	Promotion of the Arts Partnership Agreements			
45.301	D	15,436	Museums for America			
45.309	D	42,130	Museum Grants for African American History and Culture			
45.310	D	4,592,605	Grants to States			
45.312	D	46,668	National Leadership Grants			
81.137	D	10,775	Minority Economic Impact			
89.003	D	5,822	National Historical Publications and Records Grants			
		<u>7,161,498</u>	Total — N. C. Department of Cultural Resources			
<u>N. C. Department of Environmental Quality</u>						
11.407	D	52,289	Interjurisdictional Fisheries Act of 1986			
11.419	D	2,792,653	Coastal Zone Management Administration Awards			
11.420	D	784,964	Coastal Zone Management Estuarine Research Reserves			
11.435	D	69,370	Southeast Area Monitoring and Assessment Program			
11.439	D	93,052	Marine Mammal Data Program			
11.474	D	174,570	Atlantic Coastal Fisheries Cooperative Management Act			
15.605	D	2,649,784	Sport Fish Restoration			
15.614	D	317,626	Coastal Wetlands Planning, Protection and Restoration			
15.808	D	167,430	U.S. Geological Survey Research and Data Collection			
15.814	D	21,439	National Geological and Geophysical Data Preservation			
66.001	D	2,540,314	Air Pollution Control Program Support			
66.040	D	146,110	State Clean Diesel Grant Program			
66.202	D	522,781	Congressionally Mandated Projects			
66.204	D	27,557	Multipurpose Grants to States and Tribes			
66.419	D	7,973,596	Water Pollution Control State, Interstate, and Tribal Program Support			
66.432	D	1,562,966	State Public Water System Supervision			
66.433	D	103,342	State Underground Water Source Protection			
66.454	D	183,431	Water Quality Management Planning			
66.456	D	677,366	National Estuary Program			
66.458	D	28,971,289	Capitalization Grants for Clean Water State Revolving Funds			
66.460	D	3,543,419	Nonpoint Source Implementation Grants			

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (BY STATE AGENCY)

For the Fiscal Year Ended June 30, 2019

Federal CFDA Number	Direct/ Indirect	Program Expenditures	CFDA Program Title	Pass -Through Number	Pass -Through Entity Name	Additional Award Information
66.462	D	153,590	National Wetland Program Development Grants and Five-Star Restoration Training Grant			
66.468	D	32,633,302	Capitalization Grants for Drinking Water State Revolving Funds			
66.472	D	261,951	Beach Monitoring and Notification Program Implementation Grants			
66.708	D	33,578	Pollution Prevention Grants Program			
66.801	D	2,437,940	Hazardous Waste Management State Program Support			
66.802	D	1,546,616	Superfund State, Political Subdivision, and Indian Tribe Site-Specific Cooperative Agreements			
66.804	D	904,154	Underground Storage Tank Prevention, Detection and Compliance Program			
66.805	D	2,479,916	Leaking Underground Storage Tank Trust Fund Corrective Action Program			
66.809	D	84,385	Superfund State and Indian Tribe Core Program Cooperative Agreements			
81.042	D	4,404,578	Weatherization Assistance for Low-Income Persons			
81.119	D	1,072,034	State Energy Program Special Projects			
97.041	D	182,063	National Dam Safety Program			
		<u>99,569,455</u>	Total — N. C. Department of Environmental Quality			

N. C. Department of Environmental Quality - Wildlife

10.691	D	4,975	Good Neighbor Authority			
10.699	D	20,010	Partnership Agreements			
11.472	D	32,582	Unallied Science Program			
15.605	D	7,985,297	Sport Fish Restoration			
15.608	D	148,507	Fish and Wildlife Management Assistance			
15.611	D	15,948,487	Wildlife Restoration and Basic Hunter Education			
15.614	D	1,524,449	Coastal Wetlands Planning, Protection and Restoration			
15.615	D	227,416	Cooperative Endangered Species Conservation Fund			
15.616	D	70,817	Clean Vessel Act			
15.626	D	170,878	Enhanced Hunter Education and Safety			
15.634	D	1,607,369	State Wildlife Grants			
15.657	D	26,976	Endangered Species Conservation - Recovery Implementation Funds			
15.669	D	12,317	Cooperative Landscape Conservation			
97.012	D	3,128,886	Boating Safety Financial Assistance			
97.056	D	177,256	Port Security Grant Program			
		<u>31,086,222</u>	Total — N. C. Department of Environmental Quality - Wildlife			

N. C. Department of Health and Human Services

10.551	D	1,935,225,529	Supplemental Nutrition Assistance Program			
10.557	D	149,884,408	WIC Special Supplemental Nutrition Program for Women, Infants, and Children			
10.558	D	106,021,938	Child and Adult Care Food Program			
10.560	D	2,706,400	State Administrative Expenses for Child Nutrition			
10.561	D	128,317,869	State Administrative Matching Grants for the Supplemental Nutrition Assistance Program			
10.572	D	115,041	WIC Farmers' Market Nutrition Program (FMNP)			
10.576	D	71,655	Senior Farmers Market Nutrition Program			
10.578	D	359,842	WIC Grants To States (WGS)			
14.231	D	5,316,150	Emergency Solutions Grant Program			
14.241	D	2,020,608	Housing Opportunities for Persons with AIDS			
17.235	D	2,044,160	Senior Community Service Employment Program			
66.032	D	153,869	State Indoor Radon Grants			
66.034	D	3,870	Surveys, Studies, Research, Investigations, Demonstrations, and Special Purpose Activities Relating to the Clean Air Act			
66.608	D	44,423	Environmental Information Exchange Network Grant Program and Related Assistance			
66.701	D	143,356	Toxic Substances Compliance Monitoring Cooperative Agreements			
66.707	D	377,325	TSCA Title IV State Lead Grants Certification of Lead-Based Paint Professionals			
84.126	D	100,846,641	Rehabilitation Services Vocational Rehabilitation Grants to States			
84.161	D	355,331	Rehabilitation Services Client Assistance Program			
84.169	D	542,365	Independent Living State Grants			
84.177	D	1,129,861	Rehabilitation Services Independent Living Services for Older Individuals Who are Blind			
84.181	D	13,857,707	Special Education-Grants for Infants and Families			
84.187	D	383,284	Supported Employment Services for Individuals with the Most Significant Disabilities			
84.224	D	368,490	Assistive Technology			
84.412	D	(10,950)	Race to the Top - Early Learning Challenge			
93.041	D	131,691	Special Programs for the Aging, Title VII, Chapter 3, Programs for Prevention of Elder Abuse, Neglect, and Exploitation			

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (BY STATE AGENCY)

For the Fiscal Year Ended June 30, 2019

Federal CFDA Number	Direct/ Indirect	Program Expenditures	CFDA Program Title	Pass -Through Number	Pass -Through Entity Name	Additional Award Information
93.042	D	489,738	Special Programs for the Aging, Title VII, Chapter 2, Long Term Care Ombudsman Services for Older Individuals			
93.043	D	712,568	Special Programs for the Aging, Title III, Part D, Disease Prevention and Health Promotion Services			
93.044	D	14,580,764	Special Programs for the Aging, Title III, Part B, Grants for Supportive Services and Senior Centers			
93.045	D	17,894,839	Special Programs for the Aging, Title III, Part C, Nutrition Services			
93.052	D	5,110,035	National Family Caregiver Support, Title III, Part E			
93.053	D	3,342,638	Nutrition Services Incentive Program			
93.070	D	304,564	Environmental Public Health and Emergency Response			
93.072	D	263,962	Lifespan Respite Care Program			
93.073	D	210,061	Birth Defects and Developmental Disabilities - Prevention and Surveillance			
93.074	D	20,372,422	Hospital Preparedness Program (HPP) and Public Health Emergency Preparedness (PHEP) Aligned Cooperative Agreements			
93.092	D	1,436,264	Affordable Care Act (ACA) Personal Responsibility Education Program			
93.094	D	146,491	Well-Integrated Screening and Evaluation for Women Across the Nation			
93.104	D	13,471	Comprehensive Community Mental Health Services for Children with Serious Emotional Disturbances (SED)			
93.110	D	434,690	Maternal and Child Health Federal Consolidated Programs			
93.116	D	1,676,945	Project Grants and Cooperative Agreements for Tuberculosis Control Programs			
93.127	D	109,672	Emergency Medical Services for Children			
93.130	D	202,372	Cooperative Agreements to States/Territories for the Coordination and Development of Primary Care Offices			
93.136	D	4,564,298	Injury Prevention and Control Research and State and Community Based Programs			
93.150	D	1,222,173	Projects for Assistance in Transition from Homelessness (PATH)			
93.165	D	113,434	Grants to States for Loan Repayment Program			
93.197	D	295,620	Childhood Lead Poisoning Prevention Projects, State and Local Childhood Lead Poisoning Prevention and Surveillance of Blood Lead Levels in Children			
93.217	D	4,952,405	Family Planning Services			
93.224	D	3,137,339	Health Center Program (Community Health Centers, Migrant Health Centers, Health Care for the Homeless, and Public Housing Primary Care)			
93.234	D	118,711	Traumatic Brain Injury State Demonstration Grant Program			
93.236	D	15,763	Grants to States to Support Oral Health Workforce Activities			
93.240	D	253,749	State Capacity Building			
93.241	D	611,243	State Rural Hospital Flexibility Program			
93.243	D	1,866,510	Substance Abuse and Mental Health Services Projects of Regional and National Significance			
93.251	D	333,195	Universal Newborn Hearing Screening			
93.262	D	156,434	Occupational Safety and Health Program			
93.268	D	139,350,853	Immunization Cooperative Agreements			
93.270	D	495,032	Viral Hepatitis Prevention and Control			
93.297	D	575,904	Teenage Pregnancy Prevention Program			
93.301	D	485,184	Small Rural Hospital Improvement Grant Program			
93.305	D	1,537,591	PPHF 2018: Office of Smoking and Health-National State-Based Tobacco Control Programs-Financed in part by 2018 Prevention and Public Health funds (PPHF)			
93.314	D	114,792	Early Hearing Detection and Intervention Information System (EHDI-IS) Surveillance Program			
93.323	D	3,274,324	Epidemiology and Laboratory Capacity for Infectious Diseases (ELC)			
93.336	D	274,715	Behavioral Risk Factor Surveillance System			
93.354	D	1,335,894	Public Health Emergency Response: Cooperative Agreement for Emergency Response: Public Health Crisis Response			
93.426	D	940,708	Improving the Health of Americans through Prevention and Management of Diabetes and Heart Disease and Stroke-Financed in part by 2018 Prevention and Public Health Funds			
93.434	D	154,289	Every Student Succeeds Act/Preschool Development Grants			
93.435	D	48,471	Innovative State and Local Public Health Strategies to Prevent and Manage Diabetes and Heart Disease and Stroke			
93.436	D	356,397	Well-Integrated Screening and Evaluation for Women Across the Nation (Wise woman)			
93.439	D	186,442	State Physical Activity and Nutrition (SPAN)			
93.500	D	44,662	Pregnancy Assistance Fund Program			

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (BY STATE AGENCY)

For the Fiscal Year Ended June 30, 2019

Federal CFDA Number	Direct/ Indirect	Program Expenditures	CFDA Program Title	Pass -Through Number	Pass -Through Entity Name	Additional Award Information
93.521	D	45,321	The Affordable Care Act: Building Epidemiology, Laboratory, and Health Information Systems Capacity in the Epidemiology and Laboratory Capacity for Infectious Disease (ELC) and Emerging Infections Program (EIP) Cooperative Agreements; PPHF			
93.539	D	4,347	PPHF Capacity Building Assistance to Strengthen Public Health Immunization Infrastructure and Performance financed in part by Prevention and Public Health Funds			
93.556	D	14,407,832	Promoting Safe and Stable Families			
93.558	D	295,500,382	Temporary Assistance for Needy Families			
93.560	D	(17,264)	Family Support Payments to States Assistance Payments			
93.563	D	108,010,581	Child Support Enforcement			
93.566	D	4,698,617	Refugee and Entrant Assistance State/Replacement Designee Administered Programs			
93.568	D	94,548,828	Low-Income Home Energy Assistance			
93.569	D	17,171,581	Community Services Block Grant			
93.575	D	193,770,603	Child Care and Development Block Grant			
93.576	D	322,476	Refugee and Entrant Assistance Discretionary Grants			
93.584	D	477,745	Refugee and Entrant Assistance Targeted Assistance Grants			
93.590	D	1,229,777	Community-Based Child Abuse Prevention Grants			
93.596	D	121,638,946	Child Care Mandatory and Matching Funds of the Child Care and Development Fund			
93.597	D	320,466	Grants to States for Access and Visitation Programs			
93.599	D	958,475	Chafee Education and Training Vouchers Program (ETV)			
93.603	D	309,950	Adoption and Legal Guardianship Incentive Payments			
93.630	D	1,801,470	Developmental Disabilities Basic Support and Advocacy Grants			
93.645	D	8,046,498	Stephanie Tubbs Jones Child Welfare Services Program			
93.658	D	109,457,726	Foster Care Title IV-E			
93.659	D	62,233,346	Adoption Assistance			
93.667	D	69,827,335	Social Services Block Grant			
93.669	D	671,182	Child Abuse and Neglect State Grants			
93.674	D	2,854,347	Chafee Foster Care Independence Program			
93.735	D	553,380	State Public Health Approaches for Ensuring Qiltline Capacity - Funded in part by Prevention and Public Health Funds (PPHF)			
93.753	D	57,987	Child Lead Poisoning Prevention Surveillance financed in part by Prevention and Public Health (PPHF) Program			
93.757	D	1,360,063	State and Local Public Health Actions to Prevent Obesity, Diabetes, Heart Disease and Stroke (PPHF)			
93.758	D	(1,718,682)	Preventive Health and Health Services Block Grant funded solely with Prevention and Public Health Funds (PPHF)			
93.767	D	516,564,270	Children's Health Insurance Program			
93.777	D	16,422,700	State Survey and Certification of Health Care Providers and Suppliers (Title XVIII) Medicare			
93.778	D	9,561,523,366	Medical Assistance Program			
93.788	D	26,814,389	Opioid STR			
93.791	D	5,368,415	Money Follows the Person Rebalancing Demonstration			
93.817	D	1,008,586	Hospital Preparedness Program (HPP) Ebola Preparedness and Response Activities			
93.870	D	3,189,057	Maternal, Infant and Early Childhood Home Visiting Grant Program			
93.898	D	4,271,018	Cancer Prevention and Control Programs for State, Territorial and Tribal Organizations			
93.913	D	139,800	Grants to States for Operation of State Offices of Rural Health			
93.917	D	46,020,107	HIV Care Formula Grants			
93.926	D	1,822,148	Healthy Start Initiative			
93.940	D	9,621,792	HIV Prevention Activities Health Department Based			
93.944	D	588,527	Human Immunodeficiency Virus (HIV)/Acquired Immunodeficiency Virus Syndrome (AIDS) Surveillance			
93.945	D	37,977	Assistance Programs for Chronic Disease Prevention and Control			
93.946	D	134,148	Cooperative Agreements to Support State-Based Safe Motherhood and Infant Health Initiative Programs			
93.958	D	12,636,014	Block Grants for Community Mental Health Services			
93.959	D	40,408,654	Block Grants for Prevention and Treatment of Substance Abuse			
93.977	D	2,761,798	Sexually Transmitted Diseases (STD) Prevention and Control Grants			
93.991	D	6,437,404	Preventive Health and Health Services Block Grant			
93.994	D	19,770,945	Maternal and Child Health Services Block Grant to the States			
96.001	D	57,331,817	Social Security Disability Insurance			

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (BY STATE AGENCY)

For the Fiscal Year Ended June 30, 2019

Federal CFDA Number	Direct/ Indirect	Program Expenditures	CFDA Program Title	Pass -Through Number	Pass -Through Entity Name	Additional Award Information
96.008	D	262,301	Social Security - Work Incentives Planning and Assistance Program			
96.U01	D	210,052	U. S. Social Security Administration			DASIS Contract# 283-07-4803
		<u>14,126,417,091</u>	Total — N. C. Department of Health and Human Services			
<u>N. C. Department of Information Technology</u>						
11.549	D	3,215	State and Local Implementation Grant Program			
23.002	D	631	Appalachian Area Development			
		<u>3,846</u>	Total — N. C. Department of Information Technology			
<u>N. C. Department of Insurance</u>						
14.171	D	76,282	Manufactured Home Dispute Resolution			
93.048	D	326,607	Special Programs for the Aging, Title IV, and Title II, Discretionary Projects			
93.071	D	1,138,106	Medicare Enrollment Assistance Program			
93.324	D	1,359,183	State Health Insurance Assistance Program			
93.881	D	562,292	The Health Insurance Enforcement and Consumer Protections Grant Program			
97.043	D	26,837	State Fire Training Systems Grants			
97.044	D	200,464	Assistance to Firefighters Grant			
		<u>3,689,771</u>	Total — N. C. Department of Insurance			
<u>N. C. Department of Justice</u>						
16.741	D	451,705	DNA Backlog Reduction Program			
16.833	D	19,921	National Sexual Assault Kit Initiative			
16.922	D	2,913	Equitable Sharing Program			
93.775	D	3,954,259	State Medicaid Fraud Control Units			
		<u>4,428,798</u>	Total — N. C. Department of Justice			
<u>N. C. Department of Labor</u>						
17.005	D	173,302	Compensation and Working Conditions			
17.503	D	6,079,913	Occupational Safety and Health State Program			
17.504	D	1,693,218	Consultation Agreements			
17.600	D	145,123	Mine Health and Safety Grants			
		<u>8,091,556</u>	Total — N. C. Department of Labor			
<u>N. C. Department of Military & Veterans Affairs</u>						
64.005	D	562,779	Grants to States for Construction of State Home Facilities			
64.203	D	5,065,121	Veterans Cemetery Grants Program			
		<u>5,627,900</u>	Total — N. C. Department of Military & Veterans Affairs			
<u>N. C. Department of Public Instruction</u>						
10.547	D	18,870	Professional Standards for School Nutrition Employees			
10.553	D	136,538,112	School Breakfast Program			
10.555	D	380,954,706	National School Lunch Program			
10.556	D	89,149	Special Milk Program for Children			
10.559	D	14,239,688	Summer Food Service Program for Children			
10.560	D	4,552,296	State Administrative Expenses for Child Nutrition			
10.579	D	704,853	Child Nutrition Discretionary Grants Limited Availability			
10.582	D	4,481,337	Fresh Fruit and Vegetable Program			
12.U02	D	103,507	U. S. Department of Defense			2019- Troops to Teachers
84.010	D	436,165,481	Title I Grants to Local Educational Agencies			
84.011	D	5,064,394	Migrant Education State Grant Program			
84.013	D	702,046	Title I State Agency Program for Neglected and Delinquent Children and Youth			
84.027	D	347,887,238	Special Education Grants to States			
84.048	D	40,867,799	Career and Technical Education -- Basic Grants to States			
84.144	D	28,308	Migrant Education Coordination Program			
84.173	D	11,754,397	Special Education Preschool Grants			
84.184	D	1,691,852	School Safety National Activities (formerly, Safe and Drug-Free Schools and Communities-National Programs)			
84.196	D	2,243,202	Education for Homeless Children and Youth			
84.282	D	97,425	Charter Schools			
84.287	D	26,638,230	Twenty-First Century Community Learning Centers			
84.323	D	1,387,008	Special Education - State Personnel Development			

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (BY STATE AGENCY)

For the Fiscal Year Ended June 30, 2019

Federal CFDA Number	Direct/ Indirect	Program Expenditures	CFDA Program Title	Pass -Through Number	Pass -Through Entity Name	Additional Award Information
84.326	D	446,260	Special Education Technical Assistance and Dissemination to Improve Services and Results for Children with Disabilities			
84.358	D	3,677,081	Rural Education			
84.365	D	15,551,660	English Language Acquisition State Grants			
84.366	D	1,458,066	Mathematics and Science Partnerships			
84.367	D	45,736,809	Supporting Effective Instruction State Grants (formerly Improving Teacher Quality State			
84.368	D	231,962	Competitive Grants for State Assessments (formerly Grants for Enhanced Assessment Instruments)			
84.369	D	9,875,600	Grants for State Assessments and Related Activities			
84.377	D	11,302,291	School Improvement Grants			
84.424	D	19,821,856	Student Support and Academic Enrichment Program			
84.U01	D	164,590	U. S. Department of Education			NAEP State Coordinators
84.U02	D	2,388	U. S. Department of Education			Education Data Exchange Network
93.079	D	146,361	Cooperative Agreements to Promote Adolescent Health through School-Based HIV/STD Prevention and School-Based Surveillance			
93.235	D	2,185,715	Title V State Sexual Risk Avoidance Education (Title V State SRAE) Program			
93.243	D	130,736	Substance Abuse and Mental Health Services Projects of Regional and National Significance			
93.600	D	171,383	Head Start			
93.981	D	283,929	Improving Student Health and Academic Achievement through Nutrition, Physical Activity and the Management of Chronic Conditions in Schools			
		<u>1,527,396,585</u>	Total — N. C. Department of Public Instruction			

N. C. Department of Public Safety

12.401	D	29,796,557	National Guard Military Operations and Maintenance (O&M) Projects			
12.404	D	6,805,677	National Guard Challenge Program			
15.817	D	500,000	National Geospatial Program: Building The National Map			
16.017	D	322,459	Sexual Assault Services Formula Program			
16.540	D	661,063	Juvenile Justice and Delinquency Prevention			
16.543	D	754,713	Missing Children's Assistance			
16.554	D	111,388	National Criminal History Improvement Program (NCHIP)			
16.575	D	53,608,550	Crime Victim Assistance			
16.576	D	2,955,657	Crime Victim Compensation			
16.582	D	159,152	Crime Victim Assistance/Discretionary Grants			
16.588	D	3,680,698	Violence Against Women Formula Grants			
16.593	D	111,106	Residential Substance Abuse Treatment for State Prisoners			
16.606	D	2,016,157	State Criminal Alien Assistance Program			
16.710	D	87,495	Public Safety Partnership and Community Policing Grants			
16.738	D	1,902,916	Edward Byrne Memorial Justice Assistance Grant Program			
16.742	D	239,274	Paul Coverdell Forensic Sciences Improvement Grant Program			
16.750	D	114,508	Support for Adam Walsh Act Implementation Grant Program			
16.751	D	70,612	Edward Byrne Memorial Competitive Grant Program			
16.812	D	401,618	Second Chance Act Reentry Initiative			
16.816	D	42,318	John R. Justice Prosecutors and Defenders Incentive Act			
16.827	D	668,573	Justice Reinvestment Initiative			
16.922	D	1,566,683	Equitable Sharing Program			
20.218	D	7,903,036	Motor Carrier Safety Assistance			
20.231	D	289,201	Performance and Registration Information Systems Management			
20.237	D	243,209	Motor Carrier Safety Assistance High Priority Activities Grants and Cooperative Agreements			
20.703	D	416,020	Interagency Hazardous Materials Public Sector Training and Planning Grants			
21.016	D	692,551	Equitable Sharing			
93.643	D	290,139	Children's Justice Grants to States			
97.023	D	540,734	Community Assistance Program State Support Services Element (CAP-SSSE)			
97.029	D	2,566,105	Flood Mitigation Assistance			
97.032	D	4,177,258	Crisis Counseling			
97.036	D	202,269,536	Disaster Grants - Public Assistance (Presidentially Declared Disasters)			
97.039	D	4,998,641	Hazard Mitigation Grant			
97.042	D	8,848,421	Emergency Management Performance Grants			
97.045	D	4,222,371	Cooperating Technical Partners			
97.046	D	6,508,167	Fire Management Assistance Grant			

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (BY STATE AGENCY)

For the Fiscal Year Ended June 30, 2019

Federal CFDA Number	Direct/ Indirect	Program Expenditures	CFDA Program Title	Pass -Through Number	Pass -Through Entity Name	Additional Award Information
97.047	D	159,689	Pre-Disaster Mitigation			
97.067	D	6,772,718	Homeland Security Grant Program			
97.082	D	20,157	Earthquake Consortium			
97.088	D	1,779,896	Disaster Assistance Projects			
		<u>359,275,023</u>	Total — N. C. Department of Public Safety			
<u>N. C. Secretary of State</u>						
16.752	D	221,727	Economic, High-Tech, and Cyber Crime Prevention			
		<u>221,727</u>	Total — N. C. Secretary of State			
<u>N. C. Department of Transportation</u>						
20.106	D	21,567,695	Airport Improvement Program			
20.200	D	305,587	Highway Research and Development Program			
20.205	D	1,373,839,184	Highway Planning and Construction			
20.215	D	153,313	Highway Training and Education			
20.219	D	1,103,498	Recreational Trails Program			
20.232	D	42,986	Commercial Driver's License Program Implementation Grant			
20.314	D	687,347	Railroad Development			
20.319	D	2,429,809	High-Speed Rail Corridors and Intercity Passenger Rail Service - Capital Assistance Grants			
20.505	D	1,781,761	Metropolitan Transportation Planning and State and Non-Metropolitan Planning and Research			
20.507	D	1,430,280	Federal Transit Formula Grants			
20.509	D	29,023,610	Formula Grants for Rural Areas			
20.513	D	5,696,388	Enhanced Mobility of Seniors and Individuals with Disabilities			
20.516	D	371,183	Job Access and Reverse Commute Program			
20.521	D	428,290	New Freedom Program			
20.526	D	5,776,999	Bus and Bus Facilities Formula Program			
20.527	D	177,381	Public Transportation Emergency Relief Program			
20.528	D	431,064	Rail Fixed Guideway Public Transportation System State Safety Oversight Formula Grant			
20.600	D	5,155,405	State and Community Highway Safety			
20.616	D	8,178,026	National Priority Safety Programs			
20.933	D	8,501,148	National Infrastructure Investments			
23.003	D	11,337,034	Appalachian Development Highway System			
97.056	D	(21,230)	Port Security Grant Program			
		<u>1,478,396,758</u>	Total — N. C. Department of Transportation			
<u>N. C. Office of Administrative Hearings</u>						
14.401	D	102,845	Fair Housing Assistance Program State and Local			
30.U01	D	65,950	U. S. Equal Employment Opportunity Commission			EEC45016C0074P0002
		<u>168,795</u>	Total — N. C. Office of Administrative Hearings			
<u>N. C. Office of the Governor</u>						
94.003	D	283,217	State Commissions			
94.006	D	2,930,195	AmeriCorps			
94.009	D	223,002	Training and Technical Assistance			
		<u>3,436,414</u>	Total — N. C. Office of the Governor			
<u>N. C. State Board of Elections</u>						
90.404	D	2,009,898	2018 HAVA Election Security Grants			
		<u>2,009,898</u>	Total — N. C. State Board of Elections			
		<u>18,232,061,809</u>	Total — Primary Government			
Component Units						
University of North Carolina System						
<u>Appalachian State University</u>						
10.001	D	17,387	Agricultural Research Basic and Applied Research			
10.215	I	4,503	Sustainable Agriculture Research and Education	SUB00001669	University of Georgia	
10.303	I	28,328	Integrated Programs	UA AES 91147-03	University of Arkansas Fayetteville	

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (BY STATE AGENCY)

For the Fiscal Year Ended June 30, 2019

Federal CFDA Number	Direct/ Indirect	Program Expenditures	CFDA Program Title	Pass -Through Number	Pass -Through Entity Name	Additional Award Information
10.310	I	8,738	Agriculture and Food Research Initiative (AFRI)	RC108266ASU	Michigan State University	
10.310	I	8,267	Agriculture and Food Research Initiative (AFRI)	Z5775006	University of Maryland	
10.311	I	9,973	Beginning Farmer and Rancher Development Program	91161-03	University of Arkansas Fayetteville	
10.500	D	11,118	Cooperative Extension Service			
12.431	D	73,309	Basic Scientific Research			
12.900	D	91,517	Language Grant Program			
15.650	D	6,580	Research Grants (Generic)			
15.657	D	4,072	Endangered Species Conservation - Recovery Implementation Funds			
15.807	D	5,403	Earthquake Hazards Program Assistance			
15.808	D	130,450	U.S. Geological Survey Research and Data Collection			
15.931	D	17,718	Conservation Activities by Youth Service Organizations			
15.945	D	7,723	Cooperative Research and Training Programs - Resources of the National Park System			
19.009	I	83,721	Academic Exchange Programs - Undergraduate Programs	FY18-YALI-CL-APP-03	IREX	
19.009	I	16,448	Academic Exchange Programs - Undergraduate Programs	FY18-YALI-CL-APP-04	IREX	
19.408	I	169,536	Academic Exchange Programs - Teachers	FY19-TEA-ASU-01	IREX	
43.001	D	44,941	Science			
45.024	D	64,051	Promotion of the Arts Grants to Organizations and Individuals			
45.149	D	1,924	Promotion of the Humanities Division of Preservation and Access			
47.049	D	12,027	Mathematical and Physical Sciences			
47.050	D	213,551	Geosciences			
47.070	D	143,940	Computer and Information Science and Engineering			
47.074	D	170,886	Biological Sciences			
47.075	D	133,743	Social, Behavioral, and Economic Sciences			
47.075	I	3,111	Social, Behavioral, and Economic Sciences	Subaward# 18005A	Missouri State University	
47.076	D	299,216	Education and Human Resources			
47.076	I	7,688	Education and Human Resources	JOIDES IODP Pop-Up Exhibit	Consortium for Ocean Leadership	
66.516	D	10,422	P3 Award: National Student Design Competition for Sustainability			
66.951	D	8,131	Environmental Education Grants			
84.007	D	403,247	Federal Supplemental Educational Opportunity Grants			
84.031	I	60,310	Higher Education Institutional Aid	18-0133	Columbus State University	
84.033	D	814,569	Federal Work-Study Program			
84.038	D	3,501,304	Federal Perkins Loan Program Federal Capital Contributions			
84.042	D	290,384	TRIO Student Support Services			
84.047	D	726,777	TRIO Upward Bound			
84.063	D	25,121,828	Federal Pell Grant Program			
84.116	D	46,621	Fund for the Improvement of Postsecondary Education			
84.268	D	86,457,053	Federal Direct Student Loans			
84.325	D	191,403	Special Education - Personnel Development to Improve Services and Results for Children			
84.334	D	5,063,761	Gaining Early Awareness and Readiness for Undergraduate Programs			
84.407	D	205,359	Transition Programs for Students with Intellectual Disabilities into Higher Education			
93.113	D	39,287	Environmental Health			
93.173	D	27,718	Research Related to Deafness and Communication Disorders			
93.243	D	7,135	Substance Abuse and Mental Health Services Projects of Regional and National Significance			
93.732	D	407,224	Mental and Behavioral Health Education and Training Grants			
93.855	D	49,433	Allergy and Infectious Diseases Research			
93.866	D	24,742	Aging Research			
94.011	D	379,096	Foster Grandparent Program			
94.016	D	251,185	Senior Companion Program			
		<u>125,876,858</u>	Total — Appalachian State University			
East Carolina University						
10.290	D	29,294	Agricultural Market and Economic Research			
10.310	I	48,828	Agriculture and Food Research Initiative (AFRI)	3200000565-17-02,PO#7800003360	Univ of Kentucky Research Found	
10.443	D	115,348	Outreach and Assistance for Socially Disadvantaged and Veteran Farmers and Ranchers			
10.500	I	3,746	Cooperative Extension Service	31007-03/PO0053350	University of Arkansas	
11.020	D	182,367	Cluster Grants			
11.417	I	18,881	Sea Grant Support	2018-2019-001	Universidad De Puerto Rico Colegio Universitario Ponce	
11.431	I	17,211	Climate and Atmospheric Research	R/ECC-01C(YR2); NA15OAR4310111	SC Sea Grant Consortium	

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Federal CFDA Number	Direct/ Indirect	Program Expenditures	CFDA Program Title	Pass -Through Number	Pass -Through Entity Name	Additional Award Information
11.459	I	36,048	Weather and Air Quality Research	NA18OAR4590365	Nurture Nature Ctr	
11.468	D	23,203	Applied Meteorological Research			
11.474	I	29,980	Atlantic Coastal Fisheries Cooperative Management Act	17-1201	Atlantic States Marine Fisheries Commission	
11.474	I	56,597	Atlantic Coastal Fisheries Cooperative Management Act	RESTORATION-NOAA-2018-01	Southeastern Assn of Fish and Wildlife Agencies	
12.300	D	259,551	Basic and Applied Scientific Research			
12.300	I	66,097	Basic and Applied Scientific Research	406300 SUB1	The Catholic University of America	
12.431	I	50,919	Basic Scientific Research	UFDSP00012222/ PO0088902	University of Florida	
12.556	I	34,831	Competitive Grants: Promoting K-12 Student Achievement at Military-Connected Schools	A16-0138	Wayne County Public Schools	
12.632	I	38,152	Legacy Resource Management Program	775K460	University of Wisconsin Board of Regents	
12.740	I	81,383	Past Conflict Accounting	4790; PO# 960893	Henry M Jackson Foundation	
12.740	I	91,286	Past Conflict Accounting	4853 PO969333	Henry M Jackson Foundation	
12.902	D	118,869	Information Security Grants			
15.424	D	101,505	Marine Minerals Activities			
15.424	I	9,523	Marine Minerals Activities	SCDNR FY 2017-014; M14AC00012	South Carolina Dept of Nat Resources	
15.650	D	18,210	Research Grants (Generic)			
15.678	D	33,127	Cooperative Ecosystem Studies Units			
15.815	I	11,630	National Land Remote Sensing Education Outreach and Research	AV18-NC-01	AmericaView	
15.923	D	15,255	National Center for Preservation Technology and Training			
15.945	D	40,569	Cooperative Research and Training Programs - Resources of the National Park System			
16.590	I	162,813	Grants to Encourage Arrest Policies and Enforcement of Protection Orders Program	A16-0190-001	Pitt County	
16.590	I	35,084	Grants to Encourage Arrest Policies and Enforcement of Protection Orders Program	A16-0190-003	Pitt County	
16.758	I	4,094	Improving the Investigation and Prosecution of Child Abuse and the Regional and Local Children's Advocacy Centers	GREEN-NC-SA18	Children's Advocacy Ctr of NC Inc	
20.614	D	74,883	National Highway Traffic Safety Administration (NHTSA) Discretionary Safety Grants and Cooperative Agreements			
20.614	I	15	National Highway Traffic Safety Administration (NHTSA) Discretionary Safety Grants and Cooperative Agreements	1-OTAEUCU 2015	American Occupational Therapy Association Inc	
45.024	D	19,198	Promotion of the Arts Grants to Organizations and Individuals			
45.129	I	1,478	Promotion of the Humanities Federal/State Partnership	18-4	North Carolina Humanities Council	
45.129	I	1,245	Promotion of the Humanities Federal/State Partnership	19-0107	North Carolina Humanities Council	
45.129	I	6,527	Promotion of the Humanities Federal/State Partnership	GPH18-00274	Northern Marianas Humanities Council	
45.160	D	23,384	Promotion of the Humanities Fellowships and Stipends			
45.161	D	116,675	Promotion of the Humanities Research			
45.162	D	28,273	Promotion of the Humanities Teaching and Learning Resources and Curriculum Development			
47.041	D	476,600	Engineering Grants			
47.041	I	8,626	Engineering Grants	1632410	Roundtable Analytics	
47.041	I	2,561	Engineering Grants	4101-83663	Purdue Univ	
47.041	I	54,806	Engineering Grants	51214	University of Delaware	
47.049	D	98,214	Mathematical and Physical Sciences			
47.050	D	373,716	Geosciences			
47.050	I	38,975	Geosciences	14-NSF-1026/EAR1338694	Duke Univ	
47.070	D	75,124	Computer and Information Science and Engineering			
47.074	D	759,350	Biological Sciences			
47.075	D	158,146	Social, Behavioral, and Economic Sciences			
47.075	I	27,279	Social, Behavioral, and Economic Sciences	19-009	Univ of New Hampshire	
47.075	I	1,674	Social, Behavioral, and Economic Sciences	479862-19347	Virginia Polytechnic Inst and State Univ	
47.076	D	1,354,517	Education and Human Resources			
47.079	D	57,888	Office of International Science and Engineering			
66.509	D	177,696	Science To Achieve Results (STAR) Research Program			
66.511	I	51,323	Office of Research and Development Consolidated Research/Training/Fellowships	4951-RFA14-4/16-2-3	Health Effects Institute	
66.708	D	86,491	Pollution Prevention Grants Program			
84.007	D	1,294,858	Federal Supplemental Educational Opportunity Grants			
84.016	D	56,856	Undergraduate International Studies and Foreign Language Programs			
84.033	D	898,282	Federal Work-Study Program			
84.038	D	8,525,800	Federal Perkins Loan Program Federal Capital Contributions			
84.063	D	38,730,327	Federal Pell Grant Program			
84.268	D	154,510,352	Federal Direct Student Loans			
84.324	D	222,133	Research in Special Education			
84.325	D	389,771	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities			

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Federal CFDA Number	Direct/ Indirect	Program Expenditures	CFDA Program Title	Pass -Through Number	Pass -Through Entity Name	Additional Award Information
84.336	D	252,827	Teacher Quality Partnership Grants			
84.367	D	7,190	Supporting Effective Instruction State Grants (formerly Improving Teacher Quality State Grants)			
84.423	D	460,790	Supporting Effective Educator Development Program			
93.068	I	22,748	Chronic Diseases: Research, Control, and Prevention	000516164-001	University of Alabama at Birmingham	
93.073	I	10,415	Birth Defects and Developmental Disabilities - Prevention and Surveillance	216069/NU50DD004933	Duke Univ	
93.077	I	5,950	Family Smoking Prevention and Tobacco Control Act Regulatory Research	506226-1	University of Toronto	
93.077	I	58,560	Family Smoking Prevention and Tobacco Control Act Regulatory Research	FP0006477-SA006	Virginia Commonwealth University	
93.084	I	56,109	Prevention of Disease, Disability, and Death by Infectious Diseases	UFDSP0012188/P0089602	University of Florida	
93.110	I	9,219	Maternal and Child Health Federal Consolidated Programs	5 H30MC24046-07-00	Hemophilia of Georgia Inc	
93.110	I	415	Maternal and Child Health Federal Consolidated Programs	5H30MC24046-08-00	Hemophilia of Georgia Inc	
93.113	D	946,075	Environmental Health			
93.113	I	18,122	Environmental Health	473256	Univ of Arizona	
93.121	D	157,487	Oral Diseases and Disorders Research			
93.121	I	781	Oral Diseases and Disorders Research	U19-DE-22516	University of Alabama at Birmingham	
93.121	I	24,923	Oral Diseases and Disorders Research	UFDSP00012307; P0051622	University of Florida	
93.124	D	28,569	Nurse Anesthetist Traineeship			
93.145	I	61,143	HIV-Related Training and Technical Assistance	4500002800	Boston Univ	
93.145	I	31,483	HIV-Related Training and Technical Assistance	Subaward NO. 4500002431 / YR 2	Boston Univ	
93.153	D	647,657	Coordinated Services and Access to Research for Women, Infants, Children, and Youth			
93.173	D	114,716	Research Related to Deafness and Communication Disorders			
93.191	D	271,056	Graduate Psychology Education			
93.211	D	325,213	Telehealth Programs			
93.213	I	4,284	Research and Training in Complementary and Integrative Health	TACT2 TRIAL TO ACCESS CHELATIO	Mount Sinai Medical Center	
93.226	D	112,108	Research on Healthcare Costs, Quality and Outcomes			
93.243	D	22,267	Substance Abuse and Mental Health Services Projects of Regional and National Significance			
93.262	I	29,523	Occupational Safety and Health Program	3210000762-18-189 PO780004084	Univ of Kentucky Research Found	
93.262	I	6,977	Occupational Safety and Health Program	3210001068-19-121/PO7800004670	Univ of Kentucky Research Found	
93.262	I	10,626	Occupational Safety and Health Program	3210001070-19/PO#7800004559	University of Kentucky	
93.262	I	35,566	Occupational Safety and Health Program	4885/120715 P00000128920	State of Rhode Island	
93.262	I	6,751	Occupational Safety and Health Program	PO 7800004573/3210001070-19-12	Univ of Kentucky Research Found	
93.273	D	296,771	Alcohol Research Programs			
93.276	D	114,430	Drug-Free Communities Support Program Grants			
93.310	I	59,749	Trans-NIH Research Support	2036047; 2036757	Duke Univ	
93.310	I	150,223	Trans-NIH Research Support	2036757	Duke Univ	
93.342	D	360,224	Health Professions Student Loans, Including Primary Care Loans/Loans for Disadvantaged Students			
93.361	I	57,034	Nursing Research	2035601	Duke Univ	
93.361	I	14,373	Nursing Research	A031184	Duke Univ	
93.361	I	5,199	Nursing Research	MUSC18-052-8B248	Medical University of South Carolina	
93.364	D	362,121	Nursing Student Loans			
93.393	D	25,537	Cancer Cause and Prevention Research			
93.395	I	13,671	Cancer Treatment Research	9500080215-12C	Children's Hosp of Philadelphia	
93.395	I	25,415	Cancer Treatment Research	9500080216-13C	Children's Hosp of Philadelphia	
93.395	I	2,286	Cancer Treatment Research	A011106 / ALTERNATE	Cancer and Leukemia Group B	
93.395	I	462	Cancer Treatment Research	A211401	Cancer and Leukemia Group B	
93.395	I	5,043	Cancer Treatment Research	ALL1131 FOR MRI	Children's Hosp of Philadelphia	
93.395	I	2,296	Cancer Treatment Research	B-43	Natl Surgical Adjuvant Breast and Bowel Project	
93.395	I	5,769	Cancer Treatment Research	CTA #CT005	CivaTech Oncology	
93.395	I	7,446	Cancer Treatment Research	FP00017458-SUB100-01	Children's Hosp of Philadelphia	
93.395	I	143,446	Cancer Treatment Research	GB10232. 156228	Univ of Virginia	
93.395	I	2,323	Cancer Treatment Research	N1048-(PROSPECT)/ALLIANCE	Cancer and Leukemia Group B	
93.395	I	2,382	Cancer Treatment Research	NRG-BR003	NRG Oncology	
93.395	I	9,696	Cancer Treatment Research	PROTOCOL NSABP-51 / RTOG-1304	NRG Oncology	
93.395	I	1,589	Cancer Treatment Research	RTOG 1005	Amer Coll of Radiology	
93.395	I	15,716	Cancer Treatment Research	U10CA021661 / RTOG 0848	Amer Coll of Radiology	
93.397	I	4,493	Cancer Centers Support Grants	PROTOCOL A011202 / ALLIANCE	Cancer and Leukemia Group B	
93.399	I	301	Cancer Control	8461	Univ of Chicago	
93.399	I	12,399	Cancer Control	N107C ALLIANCE	Univ of Chicago	
93.652	I	10,420	Adoption Opportunities	183405361	University of Wisconsin Board of Regents	

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Federal CFDA Number	Direct/ Indirect	Program Expenditures	CFDA Program Title	Pass -Through Number	Pass -Through Entity Name	Additional Award Information
93.652	I	36,667	Adoption Opportunities	193405403	University of Wisconsin Board of Regents	
93.837	D	720,536	Cardiovascular Diseases Research			
93.837	I	435,805	Cardiovascular Diseases Research	000511972-002/5UH3HL130691-03	University of Alabama at Birmingham	
93.837	I	4,129	Cardiovascular Diseases Research	0255-A341-4605/MMRSMR LTFU	Mt. Sinai School of Medicine	
93.837	I	48,892	Cardiovascular Diseases Research	1001768818	State University of Iowa	
93.837	I	3,411	Cardiovascular Diseases Research	1R41HL133633-01A1	RFPi LLC	
93.837	I	1,627	Cardiovascular Diseases Research	N006187424 / UMN 65083	Regents of the Univ of Minnesota	
93.838	I	439	Lung Diseases Research	Subaward 002 / RETHINC	COPD Foundation Inc	
93.838	I	24,104	Lung Diseases Research	Subaward NO 001/Amend 1/2	COPD Foundation Inc	
93.839	I	295	Blood Diseases and Resources Research	FP00003310-SA003	Univ of Virginia	
93.839	I	28,340	Blood Diseases and Resources Research	MUSC17-050-8C868	Medical University of South Carolina	
93.839	I	4,408	Blood Diseases and Resources Research	Subaward 2831742	Duke Univ	
93.846	D	816,976	Arthritis, Musculoskeletal and Skin Diseases Research			
93.846	I	243,071	Arthritis, Musculoskeletal and Skin Diseases Research	ZAT00020/1R01AR071263-01	University of Kansas Medical Center Research Inst Inc	
93.847	D	892,396	Diabetes, Digestive, and Kidney Diseases Extramural Research			
93.847	I	92,747	Diabetes, Digestive, and Kidney Diseases Extramural Research	32307-13	Augusta University	
93.847	I	8,841	Diabetes, Digestive, and Kidney Diseases Extramural Research	330182	Children's Hosp of Philadelphia	
93.847	I	4,293	Diabetes, Digestive, and Kidney Diseases Extramural Research	700043-0518-00	Nationwide Children's Hosp	
93.847	I	24,333	Diabetes, Digestive, and Kidney Diseases Extramural Research	700043-0519-00	Nationwide Children's Hosp	
93.847	I	16,225	Diabetes, Digestive, and Kidney Diseases Extramural Research	Subaward No 203-7924	Duke Univ	
93.847	I	26,778	Diabetes, Digestive, and Kidney Diseases Extramural Research	Subaward No. 3301820719	Children's Hosp of Philadelphia	
93.853	D	669,251	Extramural Research Programs in the Neurosciences and Neurological Disorders			
93.853	I	27,667	Extramural Research Programs in the Neurosciences and Neurological Disorders	00107151/JFDSPP00010694	University of Florida	
93.853	I	38,865	Extramural Research Programs in the Neurosciences and Neurological Disorders	S19007	Kansas State Univ	
93.855	D	1,761,291	Allergy and Infectious Diseases Research			
93.855	I	109,160	Allergy and Infectious Diseases Research	3210871219/ PO 961879SUB	Children's Hosp of Philadelphia	
93.855	I	24,802	Allergy and Infectious Diseases Research	87251207	Univ of Southern California	
93.855	I	881	Allergy and Infectious Diseases Research	DUKE SPS#189925/235058(ACUMIN)	Duke Univ	
93.855	I	58,983	Allergy and Infectious Diseases Research	GR100603 (CON-80000936)	Yale University	
93.855	I	16,834	Allergy and Infectious Diseases Research	UFDSP0012191 P0084475	University of Florida	
93.859	D	800,517	Biomedical Research and Research Training			
93.859	I	39,205	Biomedical Research and Research Training	2018-06	Arkansas College of Health Education	
93.859	I	17,747	Biomedical Research and Research Training	G1A62667-3	Northern Illinois University	
93.865	D	478,275	Child Health and Human Development Extramural Research			
93.865	I	9,929	Child Health and Human Development Extramural Research	Subaward 2831952/SPS 240023	Duke Univ	
93.865	I	31,124	Child Health and Human Development Extramural Research	WFUHS 112761	Wake Forest University Health Sciences	
93.866	D	23,999	Aging Research			
93.866	I	3,247	Aging Research	132471 G003960	Washington State Univ	
93.866	I	17,004	Aging Research	527258	Scripps Research Inst	
93.866	I	3,409	Aging Research	AS-1926 FKA Subaward XT-1730	Hennepin Healthcare Research Institute	
93.866	I	6,291	Aging Research	ASPREE	Wake Forest Univ	
93.866	I	3,891	Aging Research	WFUHS 30209/30215/330216/20/21	Wake Forest Univ	
93.879	I	13,871	Medical Library Assistance	1600679/PO # SR00005225	Univ of Maryland	
93.884	D	571,723	Grants for Primary Care Training and Enhancement			
93.918	D	913,728	Grants to Provide Outpatient Early Intervention Services with Respect to HIV Disease			
93.925	D	639,999	Scholarships for Health Professions Students from Disadvantaged Backgrounds			
93.969	D	754,107	PPHF Geriatric Education Centers			
97.012	I	27,056	Boating Safety Financial Assistance	170221	National Safe Boating Council	
97.061	I	14,311	Centers for Homeland Security	E2042937/ RC108504 ECU	Michigan State Univ	
		<u>226,399,288</u>	Total — East Carolina University			
Elizabeth City State University						
12.630	D	292,413	Basic, Applied, and Advanced Research in Science and Engineering			
16.525	D	(2,386)	Grants to Reduce Domestic Violence, Dating Violence, Sexual Assault, and Stalking on Campus			
16.560	D	85,906	National Institute of Justice Research, Evaluation, and Development Project Grants			
20.215	D	24,500	Highway Training and Education			
43.008	D	138,143	Education			
47.070	D	330,564	Computer and Information Science and Engineering			
47.076	D	316,070	Education and Human Resources			
47.076	I	72,144	Education and Human Resources	GA 1125715580	University of Virginia	

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Federal CFDA Number	Direct/ Indirect	Program Expenditures	CFDA Program Title	Pass -Through Number	Pass -Through Entity Name	Additional Award Information
84.007	D	395,909	Federal Supplemental Educational Opportunity Grants			
84.031	D	4,462,200	Higher Education Institutional Aid			
84.033	D	403,895	Federal Work-Study Program			
84.042	D	344,170	TRIO Student Support Services			
84.047	D	385,496	TRIO Upward Bound			
84.063	D	5,437,489	Federal Pell Grant Program			
84.120	D	42,873	Minority Science and Engineering Improvement			
84.268	D	6,902,795	Federal Direct Student Loans			
84.382	D	343,212	Strengthening Minority-Serving Institutions			
93.859	D	103,443	Biomedical Research and Research Training			
97.062	D	294,843	Scientific Leadership Awards			
		<u>20,373,679</u>	Total — Elizabeth City State University			
<u>Fayetteville State University</u>						
11.303	D	104,087	Economic Development Technical Assistance			
11.609	D	102,657	Measurement and Engineering Research and Standards			
11.620	D	2,357	Science, Technology, Business and/or Education Outreach			
12.431	D	47,828	Basic Scientific Research			
12.630	D	63,178	Basic, Applied, and Advanced Research in Science and Engineering			
47.049	D	68,214	Mathematical and Physical Sciences			
47.076	D	201,758	Education and Human Resources			
84.007	D	893,088	Federal Supplemental Educational Opportunity Grants			
84.031	D	5,981,086	Higher Education Institutional Aid			
84.033	D	694,337	Federal Work-Study Program			
84.042	D	337,159	TRIO Student Support Services			
84.044	D	588,286	TRIO Talent Search			
84.047	D	586,438	TRIO Upward Bound			
84.063	D	17,102,691	Federal Pell Grant Program			
84.066	D	386,577	TRIO Educational Opportunity Centers			
84.120	D	54,314	Minority Science and Engineering Improvement			
84.217	D	234,489	TRIO McNair Post-Baccalaureate Achievement			
84.334	D	1,307,386	Gaining Early Awareness and Readiness for Undergraduate Programs			
84.379	D	20,153	Teacher Education Assistance for College and Higher Education Grants (TEACH Grants)			
84.382	D	358,351	Strengthening Minority-Serving Institutions			
93.243	D	111,253	Substance Abuse and Mental Health Services Projects of Regional and National Significance			
93.859	D	306,570	Biomedical Research and Research Training			
		<u>29,552,257</u>	Total — Fayetteville State University			
<u>North Carolina Agricultural & Technical State University</u>						
10.001	D	105,578	Agricultural Research Basic and Applied Research			
10.206	D	8,074,613	Grants for Agricultural Research Competitive Research Grants			
10.210	D	67,138	Higher Education - Graduate Fellowships Grant Program			
10.215	I	62,437	Sustainable Agriculture Research and Education	Subaward No: RD309-137/S001432	University of Georgia	
10.216	D	377,931	1890 Institution Capacity Building Grants			
10.216	I	257	1890 Institution Capacity Building Grants	332.77-19.0684	Tennessee State University	
10.216	I	9,019	1890 Institution Capacity Building Grants	RD309-129/S000680	University of Georgia	
10.216	I	6,408	1890 Institution Capacity Building Grants	Subaward#:CANFVSU-13-011	Fort Valley State University	
10.216	I	4,371	1890 Institution Capacity Building Grants	Subaward No: H007164301	University of Minnesota	
10.217	I	2,254	Higher Education - Institution Challenge Grants Program	60039552	Ohio State University	
10.220	D	39,222	Higher Education - Multicultural Scholars Grant Program			
10.307	I	28,987	Organic Agriculture Research and Extension Initiative	Subaward No: 8000064230-AG	Purdue University	
10.307	I	23,089	Organic Agriculture Research and Extension Initiative	Subaward No: UFDSP00010998	University of Florida	
10.310	D	511,737	Agriculture and Food Research Initiative (AFRI)			
10.310	I	4,764	Agriculture and Food Research Initiative (AFRI)	542K452	University of Wisconsin Madison	
10.310	I	17,083	Agriculture and Food Research Initiative (AFRI)	Subaward No: 17-044	University of New Hampshire	
10.310	I	14,231	Agriculture and Food Research Initiative (AFRI)	Subaward No: 32375SUB2507	The University of Vermont	
10.310	I	21,611	Agriculture and Food Research Initiative (AFRI)	Subaward No:8000067017-AG	Purdue University	
10.319	I	4,306	Farm Business Management and Benchmarking Competitive Grants Program	Subaward No: 60584-Z5064201	University of Maryland	
10.443	D	80,972	Outreach and Assistance for Socially Disadvantaged and Veteran Farmers and Ranchers			

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10.500	D	2,118,947	Cooperative Extension Service			
10.500	I	8,027	Cooperative Extension Service	Subaward No: 5938-NCAT-UM-3501	Pennsylvania State University	
10.771	D	40,789	Rural Cooperative Development Grants			
10.902	D	153,284	Soil and Water Conservation			
10.961	D	30,257	Scientific Cooperation and Research			
10.RD	D	12,602	U. S. Department of Agriculture			G-240741
10.RD	I	5,701	U. S. Department of Agriculture	Letter Dated 8/25/2017	Nanodiagnostic Technology, LLC	G-280983
10.RD	I	10,941	U. S. Department of Agriculture	Subaward No: H006425303	University of Minnesota	G-280996
10.RD	I	26,455	U. S. Department of Agriculture	Subaward No:ASU330109	Alcorn State University	G-280897
10.RD	I	7,809	U. S. Department of Agriculture	UMES Subaward Signed 12/12/16	University of Maryland Eastern Shore	G-280949
10.U02	D	1,579	U. S. Department of Agriculture			G-240878
10.U03	D	6,637	U. S. Department of Agriculture			G-240879
12.300	D	2,336,740	Basic and Applied Scientific Research			
12.300	I	18,378	Basic and Applied Scientific Research	BL4311001NCAT	Indiana University at Indianapolis	
12.360	I	316,115	Research on Chemical and Biological Defense	W911NF1220022	The John Hopkins University	
12.431	D	243,527	Basic Scientific Research			
12.630	D	790,265	Basic, Applied, and Advanced Research in Science and Engineering			
12.800	D	223,700	Air Force Defense Research Sciences Program			
12.901	D	201,041	Mathematical Sciences Grants			
12.903	D	70,812	Noncyber Grants Program			
12.905	D	61,123	Cybersecurity Core Curriculum			
12.905	I	35,284	Cybersecurity Core Curriculum	Subaward No:A18-0372-S001	University of Tennessee at Chattanooga	
12.RD	D	504,476	U. S. Department of Defense			G-210169
12.RD	D	90,014	U. S. Department of Defense			G-210183
12.RD	D	111,458	U. S. Department of Defense			G-210205
12.RD	D	24,566	U. S. Department of Defense			G-210221
12.RD	I	46	U. S. Department of Defense	2102796-16	Stevens Institute of Technology	G-281043
12.RD	I	1,053	U. S. Department of Defense	2102796-17	Stevens Institute of Technology	G-281042
12.RD	I	85,683	U. S. Department of Defense	NCAT K16-S7700-03-C2	Clarkson Aerospace	G-280952
12.RD	I	128,363	U. S. Department of Defense	SUB# D01-W911SR-14-2-0001-0019	MSRDC	G-280978
12.RD	I	63,089	U. S. Department of Defense	SUB# D01-W911SR-14-2-001-0026	MSRDC	G-281000
12.RD	I	22,316	U. S. Department of Defense	SUB# NCAT D 18-S7700-04-C2	Clarkson Aerospace	G-281001
12.RD	I	16,174	U. S. Department of Defense	SUBC NO: NCAT 16-S7700-04-C2	Clarkson Aerospace	G-280920
12.RD	I	70,457	U. S. Department of Defense	Subcontract# P010223357	SAIC	G-280961
12.RD	I	69,322	U. S. Department of Defense	Subcontract/PO #PS180003	Engineering Research and Consulting, Inc.	G-281010
12.RD	I	2,876	U. S. Department of Defense	WFOHS 114178	Wake Forest University Baptist Medical Center	G-280932
12.U03	D	14,977	U. S. Department of Defense			G-210212
12.U04	D	245	U. S. Department of Defense			G-210222
13.RD	I	60,059	U.S. Central Intelligence Agency	Contingency Dated 9/28/18	Florida Institute of Technology Inc	G-281032
16.U01	D	141,381	U. S. Department of Justice			G-270125
17.U01	D	11	U. S. Department of Labor			G-270121
20.215	D	21,990	Highway Training and Education			
20.701	D	965,222	University Transportation Centers Program			
20.RD	I	18,511	U. S. Department of Transportation	Task Order 13-NCA&T-E1	University of Tennessee-Knoxville	G-280797
20.U01	I	4,000	U. S. Department of Transportation	Task Order 13-NCA&T-E1	University of Tennessee-Knoxville	G-280797
43.002	I	107,473	Aeronautics	Subaward # 60061599	Ohio State University	
43.012	D	61,875	Space Technology			
43.RD	I	134,319	National Aeronautics and Space Administration	C16-2B00-NCAT, ACTIVITY 3773-N	Virginia Polytechnic Institute and State University	G-280887
43.RD	I	19,011	National Aeronautics and Space Administration	RSA NO: 1606454	Jet Propulsion Laboratory	G-281022
43.RD	I	43,063	National Aeronautics and Space Administration	RSA NO:1606453	Jet Propulsion Laboratory	G-281019
43.U01	I	58,750	National Aeronautics and Space Administration	Letter Dated 9-23-03	National Action Council for Minorities in Engineering Inc	G-280155
47.041	D	2,466,318	Engineering Grants			
47.041	I	3,773	Engineering Grants	Contingency Letter 10-26-2018	Ohio State University	
47.041	I	9,697	Engineering Grants	Subaward No. C-4966	Florida A&M University	
47.041	I	14,768	Engineering Grants	Subaward No: 2010-206-2012435	Clemson University	
47.041	I	131,769	Engineering Grants	Subgrant No. RG314-G1	Georgia Institute of Technology-Library	
47.049	D	114,857	Mathematical and Physical Sciences			
47.049	I	61,190	Mathematical and Physical Sciences	25-0521-0184-022	The University of Nebraska Lincoln	
47.050	D	639,699	Geosciences			
47.070	D	166,102	Computer and Information Science and Engineering			
47.074	D	22,340	Biological Sciences			
47.074	I	425,580	Biological Sciences	61-2075NC	Michigan State University	

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47.074	I	48,884	Biological Sciences	Subaward # 2254/200201913	Cary Institute of Ecosystem Studies	
47.074	I	6,072	Biological Sciences	Subaward No: 2018-02	Loyola University Maryland	
47.075	D	23,658	Social, Behavioral, and Economic Sciences			
47.076	D	5,312,081	Education and Human Resources			
47.076	I	100,449	Education and Human Resources	Subagreement # 332-0252	Duke University	
47.076	I	6,043	Education and Human Resources	Subaward No. PU-NCAT-02-2017	Pacific University	
47.079	D	65,623	Office of International Science and Engineering			
47.083	D	55,905	Office of Integrative Activities			
47.RD	D	112,954	National Science Foundation			G-260315
47.RD	I	12,960	National Science Foundation	Chk #22632 Dated 10-9-2018	Council of Graduate Schools (CGS)	G-281036
47.RD	I	19,800	National Science Foundation	Subcontract No: 3/NCAT	AxNano, LLC	G-281026
81.123	D	1,009,233	National Nuclear Security Administration (NNSA) Minority Serving Institutions (MSI) Program			
81.123	I	370,419	National Nuclear Security Administration (NNSA) Minority Serving Institutions (MSI) Program	Sub Award No: F1040061-14-08	Norfolk State University	
81.RD	I	7,422	U. S. Department of Energy	Letter Dated 01-22-2018	Honeywell Federal Manufacturing & Technologies, LLC	G-280997
81.RD	I	2,156	U. S. Department of Energy	Subcontract No: 4000151854	UT-Battelle LLC	G-280954
81.RD	I	3,353	U. S. Department of Energy	TAC#: 0000275746	Savannah River Nuclear Solutions	G-280947
81.RD	I	59,445	U. S. Department of Energy	Task Order #4300152232	Consolidated Nuclear Security LLC	G-281007
81.RD	I	223,418	U. S. Department of Energy	TOA# 0000332973	Savannah River Nuclear Solutions	G-280986
81.RD	I	43,805	U. S. Department of Energy	TOA# 0000332974	Savannah River Nuclear Solutions	G-280987
81.RD	I	92,994	U. S. Department of Energy	TOA/PO No: 0000403064	Savannah River Nuclear Solutions	G-281053
81.U01	I	11,980	U. S. Department of Energy	Letter Dated 6-12-15	National Nuclear Security Administration	G-280875
81.U02	I	22,660	U. S. Department of Energy	Letter Dated 07-17-2018	Kansas City National Security Campus (KCNSC)	G-281024
81.U03	I	38,805	U. S. Department of Energy	Check #296167	Honeywell International Inc	G-281031
84.007	D	704,587	Federal Supplemental Educational Opportunity Grants			
84.031	D	13,530,385	Higher Education Institutional Aid			
84.033	D	394,802	Federal Work-Study Program			
84.038	D	876,653	Federal Perkins Loan Program Federal Capital Contributions			
84.042	D	298,424	TRIO Student Support Services			
84.044	D	291,104	TRIO Talent Search			
84.047	D	480,038	TRIO Upward Bound			
84.063	D	30,832,370	Federal Pell Grant Program			
84.120	D	132,275	Minority Science and Engineering Improvement			
84.129	D	187,318	Rehabilitation Long-Term Training			
84.133	I	26,974	National Institute on Disability and Rehabilitation Research	Subcontract Dated 10/27/2014	Langston University	
84.268	D	92,500,460	Federal Direct Student Loans			
84.325	D	637,381	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities			
84.336	D	563,086	Teacher Quality Partnership Grants			
84.379	D	64,909	Teacher Education Assistance for College and Higher Education Grants (TEACH Grants)			
93.113	I	12,931	Environmental Health	Subaward# 1-340-0215502-52722L	Research Triangle Institute	
93.213	I	74,666	Research and Training in Complementary and Integrative Health	Subaward No:UFDSP00010628	University of Florida	
93.243	D	397	Substance Abuse and Mental Health Services Projects of Regional and National Significance			
93.286	D	18,087	Discovery and Applied Research for Technological Innovations to Improve Human Health			
93.307	I	113,845	Minority Health and Health Disparities Research	HU-140004	Hampton University	
93.307	I	58,651	Minority Health and Health Disparities Research	HU-150006	Hampton University	
93.307	I	65,558	Minority Health and Health Disparities Research	Subaward No: HU - 190006	Hampton University	
93.732	D	268,252	Mental and Behavioral Health Education and Training Grants			
93.859	D	1,315,906	Biomedical Research and Research Training			
93.859	I	582	Biomedical Research and Research Training	Subaward No: 5105489	University of NC Chapel Hill	
93.865	D	23,726	Child Health and Human Development Extramural Research			
93.866	I	37,891	Aging Research	Subaward # 667146	University of Miami	
93.866	I	3,278	Aging Research	Subaward NO. 667607	University of Miami	
93.RD	I	95	U. S. Department of Health and Human Services	1R4ES026916-01	AxNano, LLC	G-280953
93.RD	I	287	U. S. Department of Health and Human Services	EMAIL DATED 4/17/17	Heitech Services, Inc.	G-280967
93.RD	I	640	U. S. Department of Health and Human Services	Subaward NO: 2037138	Duke University	G-281006
93.U03	I	2,748	U. S. Department of Health and Human Services	CONTRACT DATED 12/09/17	DHHS OPHS Office on Women's Health (OWH)	G-280963
97.061	I	47,825	Centers for Homeland Security	Contingency Fund 09-13-2017	Arizona State University	

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97.061	I	6,482	Centers for Homeland Security	Subaward NO: 18-484	Arizona State University	
98.001	I	24,650	USAID Foreign Assistance for Programs Overseas	06-S131628	Texas A M University	
98.001	I	30,951	USAID Foreign Assistance for Programs Overseas	Subaward # 2015-06391-02	University Of Illinois-Urbana-Champaign	
98.RD	I	267	United States Agency for International Development	8000062018-41060000	Purdue University	G-280828
		<u>174,351,494</u>	Total — North Carolina Agricultural & Technical State University			
North Carolina Central University						
10.310	D	269,623	Agriculture and Food Research Initiative (AFRI)			
10.855	D	432,514	Distance Learning and Telemedicine Loans and Grants			
12.420	D	4,805	Military Medical Research and Development			
12.630	I	273,729	Basic, Applied, and Advanced Research in Science and Engineering	W911SR-14-0001, D01-W911SR-14-2-0001-0024; D01-W911SR-14-2-0001-0029	MSI STEM Research & Development; Department of Defense	
16.525	D	93,270	Grants to Reduce Domestic Violence, Dating Violence, Sexual Assault, and Stalking on Campus			
21.008	D	98,637	Low Income Taxpayer Clinics			
45.309	D	5,870	Museum Grants for African American History and Culture			
47.041	D	92,869	Engineering Grants			
47.049	D	143,510	Mathematical and Physical Sciences			
47.074	D	115,080	Biological Sciences			
47.076	D	1,251,026	Education and Human Resources			
47.079	I	26,383	Office of International Science and Engineering	13-NSF-1035	Duke University	
81.049	D	209,137	Office of Science Financial Assistance Program			
84.007	D	22,015,732	Federal Supplemental Educational Opportunity Grants			
84.031	D	723,308	Higher Education Institutional Aid			
84.033	D	794,309	Federal Work-Study Program			
84.042	D	226,442	TRIO Student Support Services			
84.063	D	989,853	Federal Pell Grant Program			
84.120	D	194,060	Minority Science and Engineering Improvement			
84.217	D	212,991	TRIO McNair Post-Baccalaureate Achievement			
84.268	D	95,089,607	Federal Direct Student Loans			
84.305	D	145,823	Education Research, Development and Dissemination			
84.325	D	172,570	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities			
84.379	D	13,194	Teacher Education Assistance for College and Higher Education Grants (TEACH Grants)			
93.113	D	136,480	Environmental Health			
93.172	I	10,208	Human Genome Research	3021142	Duke University	
93.173	I	19,956	Research Related to Deafness and Communication Disorders	1090527 - 396355	Carnegie Mellon University (CMU)	
93.243	I	256,355	Substance Abuse and Mental Health Services Projects of Regional and National Significance	HBCU CFE 18-17/18	Morehouse School of Medicine	
93.273	D	52,669	Alcohol Research Programs			
93.307	I	536,622	Minority Health and Health Disparities Research	HU-160024	Hampton University	
93.359	D	358,265	Nurse Education, Practice Quality and Retention Grants			
93.393	D	79,662	Cancer Cause and Prevention Research			
93.395	D	5,381	Cancer Treatment Research			
93.396	D	467,470	Cancer Biology Research			
93.397	D	180,478	Cancer Centers Support Grants			
93.847	I	38,858	Diabetes, Digestive, and Kidney Diseases Extramural Research	1(GG011644-01)	Columbia University	
93.859	D	915,921	Biomedical Research and Research Training			
93.865	I	99,327	Child Health and Human Development Extramural Research	3021051	Duke University	
97.005	I	188,595	State and Local Homeland Security National Training Program	FY15-00190-03-NCCU; FY17-0052-S01-NCCU; FY18 - 00075 - S01 - NCCU	Center for Rural Development, Inc.	
97.062	D	724,098	Scientific Leadership Awards			
		<u>127,664,687</u>	Total — North Carolina Central University			
North Carolina School of the Arts						
84.007	D	55,563	Federal Supplemental Educational Opportunity Grants			
84.033	D	49,014	Federal Work-Study Program			
84.038	D	419,719	Federal Perkins Loan Program Federal Capital Contributions			

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84.063	D	1,196,278	Federal Pell Grant Program			
84.268	D	6,920,396	Federal Direct Student Loans			
		8,640,970	Total — North Carolina School of the Arts			
North Carolina State University						
10.001	D	1,616,124	Agricultural Research Basic and Applied Research			
10.025	D	8,143,072	Plant and Animal Disease, Pest Control, and Animal Care			
10.025	I	73,801	Plant and Animal Disease, Pest Control, and Animal Care	01-15	Commission For The Eradication	
10.025	I	55,561	Plant and Animal Disease, Pest Control, and Animal Care	422603-19071	Virginia Polytech Inst.	
10.025	I	18,424	Plant and Animal Disease, Pest Control, and Animal Care	6062-BBYR5-NC	Rutgers University	
10.168	D	104,710	Farmers Market Promotion Program			
10.170	I	20,558	Specialty Crop Block Grant Program - Farm Bill	6059-NCSU-PDA-7029	Pennsylvania State Univ	
10.170	I	6,788	Specialty Crop Block Grant Program - Farm Bill	RC109247-NCSU	Michigan State University	
10.200	I	24,211	Grants for Agricultural Research, Special Research Grants	2017-2044	South Reg Aqua Ctr	
10.200	I	1,750	Grants for Agricultural Research, Special Research Grants	PO 1800575194	Univ Of Florida	
10.200	I	10,557	Grants for Agricultural Research, Special Research Grants	PO 1800632627	Univ Of Florida	
10.200	I	16,374	Grants for Agricultural Research, Special Research Grants	PO 1800632905	Univ Of Florida	
10.200	I	10,126	Grants for Agricultural Research, Special Research Grants	PO 1800632907	Univ Of Florida	
10.200	I	33,644	Grants for Agricultural Research, Special Research Grants	PO 1900663647	Univ Of Florida	
10.200	I	145,348	Grants for Agricultural Research, Special Research Grants	PO 6015-1800574470	Univ Of Florida	
10.200	I	16,857	Grants for Agricultural Research, Special Research Grants	PO 6015-1800575093	Univ Of Florida	
10.200	I	13,781	Grants for Agricultural Research, Special Research Grants	PO# 1800574487	Univ Of Florida	
10.200	I	7,949	Grants for Agricultural Research, Special Research Grants	PO# 1800574575	Univ Of Florida	
10.200	I	16,308	Grants for Agricultural Research, Special Research Grants	PO# 1800575092	Univ Of Florida	
10.200	I	3,058	Grants for Agricultural Research, Special Research Grants	SRAC OYSTERS PROJECT	South Reg Aqua Ctr	
10.200	I	76,280	Grants for Agricultural Research, Special Research Grants	Subaward # UMS-1060	Univ Of Maine	
10.202	D	848,213	Cooperative Forestry Research			
10.203	D	10,881,639	Payments to Agricultural Experiment Stations Under the Hatch Act			
10.207	D	90,958	Animal Health and Disease Research			
10.210	D	141,825	Higher Education â€ˆCˆ Graduate Fellowships Grant Program			
10.212	I	(15,158)	Small Business Innovation Research	2016-2154	Grafted Growers, Llc	
10.212	I	45,560	Small Business Innovation Research	3205-USDA-2S/NCSU	Luna Innovations, Inc	
10.215	I	5,000	Sustainable Agriculture Research and Education	2018-1065	Nc Found For Soil & Water	
10.215	I	(3)	Sustainable Agriculture Research and Education	RD309-129/S000732	Univ Of Georgia	
10.215	I	45,733	Sustainable Agriculture Research and Education	RD309-137/S001468	Univ Of Georgia	
10.215	I	6,492	Sustainable Agriculture Research and Education	RD309-144/S001686	Nc Found For Soil & Water	
10.215	I	26,149	Sustainable Agriculture Research and Education	SUB00001099	Univ Of Georgia	
10.215	I	27,247	Sustainable Agriculture Research and Education	SUB00001404	Univ Of Georgia	
10.215	I	56,755	Sustainable Agriculture Research and Education	SUB00001414	Univ. Of Georgia	
10.215	I	59,459	Sustainable Agriculture Research and Education	SUB00001421	Univ Of Georgia	
10.215	I	16,184	Sustainable Agriculture Research and Education	SUB00001772	Univ Of Georgia	
10.215	I	35,100	Sustainable Agriculture Research and Education	SUB00001888	Univ Of Georgia	
10.215	I	571	Sustainable Agriculture Research and Education	Subaward #M1803789	Texas A&M Agrilife Research	
10.216	I	8,092	1890 Institution Capacity Building Grants	36 12091 367 76190	Tuskegee University	
10.216	I	11,679	1890 Institution Capacity Building Grants	R000018	Virginia State University	
10.217	D	105,485	Higher Education - Institution Challenge Grants Program			
10.217	I	9,211	Higher Education - Institution Challenge Grants Program	60039552	Ohio State Univ.	
10.219	D	228,165	Biotechnology Risk Assessment Research			
10.219	I	93,534	Biotechnology Risk Assessment Research	42992-Z5825001	Univ Of Maryland, College Park	
10.219	I	120,562	Biotechnology Risk Assessment Research	9500073429	Univ Of Tennessee	
10.219	I	11,439	Biotechnology Risk Assessment Research	M1800642	Texas A&M Univ.	
10.220	D	21,273	Higher Education - Multicultural Scholars Grant Program			
10.225	I	200	Community Food Projects	Subaward No. 00005500	Third Sector New England, Inc.	
10.226	I	7,956	Secondary and Two-Year Postsecondary Agriculture Education Challenge Grants	AE1971-SB-850952	Univ Of Idaho	
10.250	D	10,872	Agricultural and Rural Economic Research, Cooperative Agreements and Collaborations			
10.290	I	9,846	Agricultural Market and Economic Research	GTK737-SB-002	Univ Of Idaho	
10.303	D	22,023	Integrated Programs			
10.303	I	9,512	Integrated Programs	RC108966NCSU	Michigan State University	
10.304	I	6,664	Homeland Security Agricultural	RC106556C	Michigan State University	
10.304	I	36,811	Homeland Security Agricultural	UFDSP00011542 / P0019073	Univ Of Florida	
10.307	D	66,087	Organic Agriculture Research and Extension Initiative			

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10.307	I	175	Organic Agriculture Research and Extension Initiative	2048-207-2012799	Clemson University	
10.307	I	80,487	Organic Agriculture Research and Extension Initiative	36 22091 410 76190	Tuskegee University	
10.307	I	17,894	Organic Agriculture Research and Extension Initiative	8000064229-AG	Purdue University	
10.307	I	1,027	Organic Agriculture Research and Extension Initiative	SUB00000867	Univ Of Georgia	
10.307	I	41,327	Organic Agriculture Research and Extension Initiative	SUB00001846	Univ Of Georgia	
10.309	D	4,700,750	Specialty Crop Research Initiative			
10.309	I	3,464	Specialty Crop Research Initiative	06-M1703518	Texas A&M Univ.	
10.309	I	83,508	Specialty Crop Research Initiative	79598-10780	Cornell University	
10.309	I	19,114	Specialty Crop Research Initiative	A18-0425-S003-P0671355	Univ Of Cal - Santa Cruz	
10.309	I	185,503	Specialty Crop Research Initiative	RC105573NCSU	Michigan State University	
10.309	I	159,210	Specialty Crop Research Initiative	RC107752C	Michigan State University	
10.309	I	27,645	Specialty Crop Research Initiative	SUB00000422	Univ Of Georgia	
10.309	I	284,168	Specialty Crop Research Initiative	UFDSP00011195/00125051	Univ Of Florida	
10.310	D	5,294,504	Agriculture and Food Research Initiative (AFRI)			
10.310	I	22,339	Agriculture and Food Research Initiative (AFRI)	0467 PO# 864010	Rutgers University	
10.310	I	13,242	Agriculture and Food Research Initiative (AFRI)	078873-16463	Univ Of Illinois - Urbana	
10.310	I	45,140	Agriculture and Food Research Initiative (AFRI)	126319_G003570	Washington State University	
10.310	I	(104)	Agriculture and Food Research Initiative (AFRI)	16-007995 D 00	Univ Of Massachusetts	
10.310	I	9,540	Agriculture and Food Research Initiative (AFRI)	16-012	Wake Forest University	
10.310	I	30,585	Agriculture and Food Research Initiative (AFRI)	17 009835 A 00	Univ Of Massachusetts	
10.310	I	617	Agriculture and Food Research Initiative (AFRI)	19-060-NCSU	West Virginia Univ. Research	
10.310	I	116,254	Agriculture and Food Research Initiative (AFRI)	201223090-03	Univ Of Cal - Davis	
10.310	I	232,937	Agriculture and Food Research Initiative (AFRI)	2015-68004-23179	Pennsylvania State Univ	
10.310	I	7,759	Agriculture and Food Research Initiative (AFRI)	25-6226-0546-009	Univ Of Nebraska-Lincoln	
10.310	I	1,285	Agriculture and Food Research Initiative (AFRI)	25574 2011-67003-30228	University Of Delaware	
10.310	I	14,137	Agriculture and Food Research Initiative (AFRI)	3200001832-18-312	Univ Of Kentucky	
10.310	I	60,692	Agriculture and Food Research Initiative (AFRI)	422585-19071	Virginia Polytech Inst.	
10.310	I	671,220	Agriculture and Food Research Initiative (AFRI)	5197-NCSU-USDA-3179	Pennsylvania State Univ	
10.310	I	219	Agriculture and Food Research Initiative (AFRI)	52672-Z5004201	Univ Of Maryland, College Park	
10.310	I	3,672	Agriculture and Food Research Initiative (AFRI)	545892-19071	Virginia Polytech Inst.	
10.310	I	28,350	Agriculture and Food Research Initiative (AFRI)	60044791	Ohio State Univ.	
10.310	I	19,214	Agriculture and Food Research Initiative (AFRI)	8000053331-AG	Purdue University	
10.310	I	25,885	Agriculture and Food Research Initiative (AFRI)	83669-11063	Cornell University	
10.310	I	1,013	Agriculture and Food Research Initiative (AFRI)	8500022696	Univ Of Tennessee	
10.310	I	71,737	Agriculture and Food Research Initiative (AFRI)	8500050750	Univ Of Tennessee	
10.310	I	4,824	Agriculture and Food Research Initiative (AFRI)	9500077010	Univ Of Tennessee	
10.310	I	40,910	Agriculture and Food Research Initiative (AFRI)	A19-0080-S001	Univ Of Cal - Davis	
10.310	I	104,418	Agriculture and Food Research Initiative (AFRI)	C0490A-A	Oregon State Univ.	
10.310	I	121,455	Agriculture and Food Research Initiative (AFRI)	F9002711902003	Purdue University	
10.310	I	4,108	Agriculture and Food Research Initiative (AFRI)	H006644301	Univ Of Minnesota	
10.310	I	64,730	Agriculture and Food Research Initiative (AFRI)	RC104967NCSU	Michigan State University	
10.310	I	165,098	Agriculture and Food Research Initiative (AFRI)	RC105883NCSU	Michigan State University	
10.310	I	4,683	Agriculture and Food Research Initiative (AFRI)	RC371-291/S001200	Univ Of Georgia	
10.310	I	15,168	Agriculture and Food Research Initiative (AFRI)	S14148	Kansas State University	
10.310	I	15,971	Agriculture and Food Research Initiative (AFRI)	SUB00000769	Univ Of Georgia	
10.310	I	75,580	Agriculture and Food Research Initiative (AFRI)	SUB00000789	Univ Of Georgia	
10.310	I	179,581	Agriculture and Food Research Initiative (AFRI)	UFDSP00011871 P0051625	Univ Of Florida	
10.310	I	107,734	Agriculture and Food Research Initiative (AFRI)	Z5775007	Univ Of Maryland, College Par	
10.310	I	2,166	Agriculture and Food Research Initiative (AFRI)	Z5776003	Univ Of Maryland, College Park	
10.311	D	128,067	Beginning Farmer and Rancher Development Program			
10.311	I	16,614	Beginning Farmer and Rancher Development Program	2017-1521	Orange County Part. For Youth	
10.311	I	19,976	Beginning Farmer and Rancher Development Program	2017-1680	S Appalachian Highland Conserv	
10.311	I	389	Beginning Farmer and Rancher Development Program	545943-19071	Virginia Polytech Inst.	
10.312	I	392,647	Biomass Research and Development Initiative Competitive Grants Program (BRDI)	PO#14951	Nc Biotechnology Ct	
10.320	I	16,839	Sun Grant Program	8500047866	Univ Of Tennessee	
10.320	I	49,458	Sun Grant Program	9500075672	Univ Of Tennessee	
10.320	I	39,884	Sun Grant Program	Subaward # 9500073588	Univ Of Tennessee	
10.328	I	39,465	National Food Safety Training, Education, Extension, Outreach, and Technical Assistance Competitive Grants Program	545954-19071	Virginia Polytech Inst.	
10.328	I	26,863	National Food Safety Training, Education, Extension, Outreach, and Technical Assistance Competitive Grants Program	9500061989	Univ Of Tennessee	

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10.328	I	4,742	National Food Safety Training, Education, Extension, Outreach, and Technical Assistance Competitive Grants Program	UFDSP00011138 / 00125142	Univ Of Florida	
10.328	I	14,442	National Food Safety Training, Education, Extension, Outreach, and Technical Assistance Competitive Grants Program	UFDSP00012322	Univ Of Florida	
10.328	I	514	National Food Safety Training, Education, Extension, Outreach, and Technical Assistance Competitive Grants Program	UFDSP00012350 P0099377	Univ Of Florida	
10.329	D	1,666,772	Crop Protection and Pest Management Competitive Grants Program			
10.329	I	33,932	Crop Protection and Pest Management Competitive Grants Program	1978-207-2012255	Clemson University	
10.329	I	1,134	Crop Protection and Pest Management Competitive Grants Program	SUB00000373	Univ Of Georgia	
10.330	I	2,278	Alfalfa and Forage Research Program	8500046909	Univ Of Tennessee	
10.336	D	37,135	Veterinary Services Grant Program			
10.500	D	18,744,100	Cooperative Extension Service			
10.500	I	6,148	Cooperative Extension Service	31011-17	Univ Of Arkansas	
10.500	I	9,310	Cooperative Extension Service	5559-NCSU-UM-9802	Pennsylvania State Univ	
10.500	I	36,467	Cooperative Extension Service	5969-NCSU-UM-3501	Pennsylvania State Univ	
10.500	I	11,278	Cooperative Extension Service	C00059381-3	Curators Of Univ Of Missouri	
10.500	I	311,956	Cooperative Extension Service	RC105427NCSU	Michigan State University	
10.500	I	12,841	Cooperative Extension Service	S17134	Kansas State University	
10.500	I	162,815	Cooperative Extension Service	S18041	Kansas State University	
10.500	I	57,561	Cooperative Extension Service	S19082	Kansas State University	
10.500	I	26,052	Cooperative Extension Service	Subaward No.21667-16	Univ Of Arkansas	
10.545	D	3,319	Farmers' Market Supplemental Nutrition Assistance Program Support Grants			
10.614	D	48,376	Scientific Cooperation Exchange Program with China			
10.614	I	102	Scientific Cooperation Exchange Program with China	C00062986-1	Univ Of Missouri - Columbia	
10.652	D	125,415	Forestry Research			
10.664	D	12,402	Cooperative Forestry Assistance			
10.674	D	97,301	Wood Utilization Assistance			
10.676	D	116,685	Forest Legacy Program			
10.680	D	6,358	Forest Health Protection			
10.684	D	17,150	International Forestry Programs			
10.699	D	1,041,080	Partnership Agreements			
10.777	D	58,195	Norman E. Borlaug International Agricultural Science and Technology Fellowship			
10.868	D	1,249	Rural Energy for America Program			
10.890	I	3,004	Rural Development Cooperative Agreement Program	018000.340677.06	Mississippi State Univ	
10.902	D	129,651	Soil and Water Conservation			
10.903	D	108,601	Soil Survey			
10.912	D	464,408	Environmental Quality Incentives Program			
10.912	I	26,858	Environmental Quality Incentives Program	68-F352-17-265	Puerto Rico Nrcs	
10.960	D	4	Technical Agricultural Assistance			
10.960	I	14,636	Technical Agricultural Assistance	2019-0868	Nappo	
10.962	D	362,530	Cochran Fellowship Program-International Training-Foreign Participant			
10.RD	D	181,762	U. S. Department of Agriculture			17-JV-11272138-069
10.RD	I	261,330	U. S. Department of Agriculture	1-312-0215472-52847L	RTI International	USDAFSISAG3A94D160130
10.RD	I	322,145	U. S. Department of Agriculture	1-312-0216148-65141L	RTI International	USDAFSISAG3A94D160138
10.RD	I	282	U. S. Department of Agriculture	18-04-NCSU	Christmas Tree Promotion Board	2019-1611
10.RD	I	41,500	U. S. Department of Agriculture	19-86	Potatoes USA	2019-0830
10.RD	I	6,108	U. S. Department of Agriculture	201700387-02-NCSU-BATTS	Univ Of Cal - Davis	SPO#201700387
10.RD	I	10,690	U. S. Department of Agriculture	2019-0470-K	Univ Of Georgia	2019-0470
10.RD	I	287,437	U. S. Department of Agriculture	534667	Found. For Food & Agri. Res	5-34667
10.RD	I	23,193	U. S. Department of Agriculture	E17-05	U.S. Endow For Forest & Comm.	16-JV-11111106-053
10.RD	I	89,732	U. S. Department of Agriculture	E17-99	U.S. Endow For Forest & Comm.	16-JV-11111136-094
10.RD	I	4,906	U. S. Department of Agriculture	M1801860	Texas A&M Agrilife Research	M1801860
10.RD	I	80,160	U. S. Department of Agriculture	T15GXTASC	American Seed Trade Assoc	2018-2373
10.RD	D	20,000	U. S. Department of Agriculture			800-0100-001-00065
10.U04	I	2,644	U. S. Department of Agriculture	2019-0897	Vebcog	2019-0897
11.012	I	5,687	Integrated Ocean Observing System (IOOS)	IOOS.16(028)NCSU.RH.GLD.1	Secoora	
11.012	I	196,215	Integrated Ocean Observing System (IOOS)	IOOS.16(028)NCSU.RH.MOD.1	Secoora	
11.307	I	2	Economic Adjustment Assistance	2015-0396	Advantage West	
11.313	I	9,552	Trade Adjustment Assistance for Firms	T8708-S756	University System Of Georgia	
11.417	D	1,227,659	Sea Grant Support			
11.417	I	5,969	Sea Grant Support	USM-8006110-01	Univ Of Southern Mississippi	

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11.427	D	134,635	Fisheries Development and Utilization Research and Development Grants and Cooperative Agreements Program			
11.431	D	137,829	Climate and Atmospheric Research			
11.431	I	15,149	Climate and Atmospheric Research	18-3399	Univ Of South Carolina	
11.431	I	10,864	Climate and Atmospheric Research	19-3819	Univ Of South Carolina	
11.432	I	5,188,458	National Oceanic and Atmospheric Administration (NOAA) Cooperative Institutes	13342-Z7812001	Univ Of Maryland, College Park	
11.432	I	792	National Oceanic and Atmospheric Administration (NOAA) Cooperative Institutes	3003712268	Univ Of Michigan	
11.454	D	33,180	Unallied Management Projects			
11.459	D	10,743	Weather and Air Quality Research			
11.468	D	253,291	Applied Meteorological Research			
11.468	I	156,967	Applied Meteorological Research	Task Order#2018-2960	Synoptic Data	
11.472	I	48,306	Unallied Science Program	A70-01	North Pacific Research Board	
11.474	I	36,081	Atlantic Coastal Fisheries Cooperative Management Act	18-501	Asmfc	
11.478	D	116,318	Center for Sponsored Coastal Ocean Research Coastal Ocean Program			
11.482	D	36,847	Coral Reef Conservation Program			
11.609	D	442,411	Measurement and Engineering Research and Standards			
11.611	D	3,669,124	Manufacturing Extension Partnership			
11.611	I	76,898	Manufacturing Extension Partnership	70NANB17H304-DEMEP001	Delaware Tech Cc	
11.619	I	57,230	Arrangements for Interdisciplinary Research Infrastructure	52888 (SP2.0-005)	Niimbl-Univ Of Delaware	
11.619	I	480,008	Arrangements for Interdisciplinary Research Infrastructure	NIIMBLSP1.0-2 GENETHERAPY	Niimbl - Univ Of Delaware	
11.619	I	47,455	Arrangements for Interdisciplinary Research Infrastructure	PC1.0-3	Niimbl - Univ Of Delaware	
11.619	I	18,605	Arrangements for Interdisciplinary Research Infrastructure	PC2.1-038	Niimbl - Univ Of Delaware	
11.619	I	190,721	Arrangements for Interdisciplinary Research Infrastructure	SP1.0-1 SPIDER	Niimbl - Univ Of Delaware	
11.619	I	739,562	Arrangements for Interdisciplinary Research Infrastructure	Subaward # 45781	Niimbl- Univ Of Delaware	
11.620	D	4,902	Science, Technology, Business and/or Education Outreach			
11.RD	D	439	U. S. Department of Commerce			NB893020-A-02506
11.RD	I	7	U. S. Department of Commerce	2015-0454	Biohabitats Inc.	NA13NOS4200091
11.RD	I	2,500	U. S. Department of Commerce	2018-2389	Secoora	2018-2389
11.U01	I	12,435	U. S. Department of Commerce	PO#2000030024 13540-FB40	Univ Of South Carolina	NA16OAR4310163
12.002	D	424,776	Procurement Technical Assistance For Business Firms			
12.300	D	5,211,919	Basic and Applied Scientific Research			
12.300	I	140,237	Basic and Applied Scientific Research	17-206	Arizona State Univ.	
12.300	I	19,898	Basic and Applied Scientific Research	KAI-ONR-2018-01	Kai, Llc	
12.300	I	5,781	Basic and Applied Scientific Research	M1800375	Texas A&M Agrilife Research	
12.300	I	129,722	Basic and Applied Scientific Research	W9126G-17-2-0025	Cooperative Ecosystem Studies	
12.335	D	164,092	Navy Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance			
12.351	D	142,066	Scientific Research - Combating Weapons of Mass Destruction			
12.351	I	102,974	Scientific Research - Combating Weapons of Mass Destruction	RF577-G2	Board Reg Univ System Georgia	
12.351	I	71,014	Scientific Research - Combating Weapons of Mass Destruction	UNIV59846	Vanderbilt University	
12.351	I	63,069	Scientific Research - Combating Weapons of Mass Destruction	X0214A-B	Oregon State Univ.	
12.355	D	205,360	Pest Management and Vector Control Research			
12.357	I	169,865	ROTC Language and Culture Training Grants	PGO1801-NCSU-12-PGO-051-P	Institute Of Int'L Education	
12.360	D	74,646	Research on Chemical and Biological Defense			
12.420	D	410,742	Military Medical Research and Development			
12.420	I	26,038	Military Medical Research and Development	C16J12325 (J00246)	Yale University	
12.420	I	189,718	Military Medical Research and Development	GG12011 154266	Univ Of Virginia	
12.420	I	70,314	Military Medical Research and Development	GK000274 (CON-80000078)	Yale University	
12.431	D	4,411,214	Basic Scientific Research			
12.431	I	180,763	Basic Scientific Research	0160 G UA560	Univ Of California-Los Angeles	
12.431	I	86,285	Basic Scientific Research	10593502	Univ Of Southern Cal	
12.431	I	19,954	Basic Scientific Research	18-012	Univ Of New Hampshire	
12.431	I	46,427	Basic Scientific Research	X16-8327-NCSU	Nat'L Inst. Of Aerospace	
12.579	I	395,520	Language Training Center	#2603-NCSU-6-LTC-052-PO6	Institute Of Int'L Education	
12.617	D	852,803	Economic Adjustment Assistance for State Governments			
12.630	D	501,766	Basic, Applied, and Advanced Research in Science and Engineering			
12.630	I	69,777	Basic, Applied, and Advanced Research in Science and Engineering	002	Affoa	
12.630	I	69,277	Basic, Applied, and Advanced Research in Science and Engineering	004	Affoa	
12.630	I	(651)	Basic, Applied, and Advanced Research in Science and Engineering	15-16-08 / 0220160017	Dmdii	
12.630	I	65,569	Basic, Applied, and Advanced Research in Science and Engineering	PO# US001-0000-744993	Battelle Memorial Institute	
12.630	I	5,040	Basic, Applied, and Advanced Research in Science and Engineering	T0018	Armi	
12.632	I	11,604	Legacy Resource Management Program	E18-91	U.S. Endow For Forest & Comm.	

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12.750	I	30,565	Uniformed Services University Medical Research Projects	3967 (PO #916153)	Henry M. Jackson Foundation	
12.800	D	2,579,652	Air Force Defense Research Sciences Program			
12.800	I	78,460	Air Force Defense Research Sciences Program	085341-16309	Univ Of Illinois- Urbana	
12.800	I	150,503	Air Force Defense Research Sciences Program	5011-NCSU-AFOSR-0067	Pennsylvania State Univ	
12.800	I	(57)	Air Force Defense Research Sciences Program	800002123-02	Florida Int'L Univ.	
12.800	I	8,364	Air Force Defense Research Sciences Program	TS19-16-18-001	Taitech, Inc.	
12.800	I	15,085	Air Force Defense Research Sciences Program	X16-9280-NCSU	Nat'L Inst. Of Aerospace	
12.901	D	124,228	Mathematical Sciences Grants			
12.902	D	6,027,111	Information Security Grants			
12.905	D	100,218	Cybersecurity Core Curriculum			
12.910	D	3,122,529	Research and Technology Development			
12.910	I	307,837	Research and Technology Development	HR0011728276	Massachusetts General Hospital	
12.910	I	80,967	Research and Technology Development	2016-2194	Profusa, Inc.	
12.910	I	48,125	Research and Technology Development	60060483	Ohio State Univ.	
12.910	I	816,165	Research and Technology Development	60066428	Ohio State Univ.	
12.910	I	215,386	Research and Technology Development	60066428 PO# RF01539663	Ohio State Univ.	
12.910	I	71,193	Research and Technology Development	ASUB00000246	Arizona State Univ.	
12.910	I	6,516	Research and Technology Development	SUB00001729	Univ Of Florida	
12.910	I	190,941	Research and Technology Development	W911NF-16-1-0341	Profusa, Inc.	
12.RD	D	3,518	U. S. Department of Defense			2018-3165
12.RD	D	2,789	U. S. Department of Defense			2019-2434
12.RD	D	55	U. S. Department of Defense			D19AP00026
12.RD	D	125,106	U. S. Department of Defense			H98230-14-C-0139_x000D_
12.RD	D	2,746,070	U. S. Department of Defense			H98230-19-D-0012
12.RD	D	117,944	U. S. Department of Defense			HQ0147-15-C-6008
12.RD	D	7,020	U. S. Department of Defense			W81EWF61540373
12.RD	D	57,157	U. S. Department of Defense			W81XWH-17-C-0054
12.RD	D	(2,058)	U. S. Department of Defense			W911NF-04-D-003-0009
12.RD	D	33,359	U. S. Department of Defense			W911QY-16-P-0197
12.RD	D	153,440	U. S. Department of Defense			W912HZ-17-2-0010
12.RD	D	28,563	U. S. Department of Defense			W912HZ-17-2-0018
12.RD	D	29,292	U. S. Department of Defense			W912HZ18C0026
12.RD	D	145,166	U. S. Department of Defense			W91CRB-13-C-0049
12.RD	I	(27)	U. S. Department of Defense	009799-002	University Of Cincinnati	N00014-15-P-1118
12.RD	I	(2)	U. S. Department of Defense	1003025.0025	Ecology And Environment, Inc.	1-003025.0025
12.RD	I	8,377	U. S. Department of Defense	1049-NCSU 1802	Sa Photonics	W911SR-18-C-0005
12.RD	I	17,982	U. S. Department of Defense	1050-NCS1807	Sa Photonics	N68335-18-C-0478
12.RD	I	208,651	U. S. Department of Defense	108781SB3J	Booz Allen Hamilton, Inc.	FA8650-12-D-3211
12.RD	I	15,661	U. S. Department of Defense	1103	Perceptronics Solutions	W31P4Q-17-C-0143
12.RD	I	10,018	U. S. Department of Defense	114-01	Sys Mat'L Res Corp, Smrc	SP4701-17-P-0049
12.RD	I	17,646	U. S. Department of Defense	121-01	Sys Mat'L Res Corp, Smrc	SP4701-18-C-0070
12.RD	I	140,563	U. S. Department of Defense	15-0459	Brigham Young University	W900KK-15-C-0028
12.RD	I	71,866	U. S. Department of Defense	1625275	Boeing Company	PO 1625275
12.RD	I	(66)	U. S. Department of Defense	17-0128-24-6103	Dignitas Technologies, Llc.	N61340-14-C-6103
12.RD	I	732	U. S. Department of Defense	17-0228-24-6103	Dignitas Technologies, Llc.	N61340-14-C-6103
12.RD	I	351	U. S. Department of Defense	2015-1957	Solutions-les, Inc.	W912HQ-15-C-0013
12.RD	I	(9,585)	U. S. Department of Defense	2016-0408	Adroit Materials, Inc.	W56KGU-15-C-0052
12.RD	I	395	U. S. Department of Defense	2016-2036	Metacomp Technologies, Inc	FA8650-16-P-2704
12.RD	I	80,715	U. S. Department of Defense	2016-2913	Calabazas Creek Research, Inc.	N00253-16-C-002
12.RD	I	38,752	U. S. Department of Defense	2017-0194	Adroit Materials, Inc.	W911NF-16-C-0101
12.RD	I	163	U. S. Department of Defense	2017-0987	Nano Terra, Inc.	W911W6-17-C-0030
12.RD	I	75,574	U. S. Department of Defense	2017-1403	Nia Diagnostics, Llc	W911NF-17-C-0025
12.RD	I	66,259	U. S. Department of Defense	2017-2205	Radiabeam Technologies, Llc	N6835-18-C-0103
12.RD	I	69,381	U. S. Department of Defense	2017-SC003	Coherent Technical Serv, Inc.	N68335-18-C-0007
12.RD	I	177,441	U. S. Department of Defense	2018-0174	Vadum, Inc.	W911NF-17-C-0086
12.RD	I	97,773	U. S. Department of Defense	2018-0858	Adroit Materials, Inc.	N6893617C0068
12.RD	I	138,662	U. S. Department of Defense	2018-3095	Espira, Inc	W911QY-17-C-0032
12.RD	I	39,275	U. S. Department of Defense	2018-3344	Aded Llc	W911NF19P0027
12.RD	I	34,145	U. S. Department of Defense	2019-1688	Adroit Materials, Inc.	W911NF1P0016
12.RD	I	(18)	U. S. Department of Defense	210-001-2015-NCSU	Institute For Wildlife Studies	W911QY-17-C-0032
12.RD	I	33,416	U. S. Department of Defense	218-884 PROJ AGMT NO. 1	Advanced Technology Intl	2018-884
12.RD	I	44,774	U. S. Department of Defense	2363-1	Intelligent Automation, Inc.	140D6318C0059

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12.RD	I	70,929	U. S. Department of Defense	2392-1	Intelligent Automation, Inc.	FA8651-18-9-007
12.RD	I	157,304	U. S. Department of Defense	342902NCSU	LUNA Innovations, Inc	W911QY-18-C-0003
12.RD	I	291	U. S. Department of Defense	349001NCSU	Luna Innovations, Inc	349001NCSU
12.RD	I	485	U. S. Department of Defense	3577.01NCSU	Luna Innovations, Inc	W912HQ-19-P-0014
12.RD	I	42,444	U. S. Department of Defense	364301NCSU	Luna Innovations, Inc	N68335-19-C-0079
12.RD	I	102,013	U. S. Department of Defense	4315-1	Maxentric Technologies, Llc	W31P4Q-17-C-0020
12.RD	I	921	U. S. Department of Defense	5019	Water Research Foundation	W912HQ-18-C-0048
12.RD	I	(1,069)	U. S. Department of Defense	541168 / US001-0000541168	Battelle Memorial Institute	W911NF-11-D-0001
12.RD	I	79,167	U. S. Department of Defense	58-3020-8-11	All Things Bugs, Llc	140D6318C0055
12.RD	I	65,687	U. S. Department of Defense	CV17010-01	Control Vision, Inc.	FA8650-16-C-2717
12.RD	I	3,165	U. S. Department of Defense	CVI7007-01	Control Vision, Inc.	FA8650-14-C-2434
12.RD	I	36,213	U. S. Department of Defense	DSC3130-01	Macaulay-Brown, Inc.	FA8075-14-D-0019
12.RD	I	30,001	U. S. Department of Defense	DSC3130-02	Macaulay-Brown, Inc.	N68335-19-C-0079
12.RD	I	70,057	U. S. Department of Defense	N39430-17-C-1941	Aptim	N39430-17-C-1941
12.RD	I	19,585	U. S. Department of Defense	N6833519-1	Propel Llc	N6833519C0132
12.RD	I	15,629	U. S. Department of Defense	PO # US001-0000720922	Battelle Memorial Institute	FA8075-14-F-0003/DO 0003
12.RD	I	32,930	U. S. Department of Defense	PO00150493 / 4T126	Teledyne Scientific & Imaging	N6523619C8013
12.RD	I	116	U. S. Department of Defense	S-001542.11.NCSU	Applied Research Assoc. (Ara)	W911NF-12-C-0067
12.RD	I	19,461	U. S. Department of Defense	Subcontract No. 100058	Portland State University	W912HQ-18-C-0027
12.RD	I	29,050	U. S. Department of Defense	TS16-16-61-001	Taitech, Inc.	FA8650-16-F-2661
12.RD	I	(3,588)	U. S. Department of Defense	TSI-2515-17-106536	Triton Systems, Inc.	FA9101-17-P-0095
12.RD	I	45,075	U. S. Department of Defense	W31P4Q-18-C-0083	Perceptronics Solutions	W31P4Q-18-C-0083
12.RD	I	70,049	U. S. Department of Defense	W81XWH-17-C-0192	Perceptronics Solutions	W81XWH-17-C-0192
12.RD	I	59,347	U. S. Department of Defense	W911NF-17-P-0053	Storageenergy Tech, Inc.	W911NF-17-P-0053
12.RD	I	14,895	U. S. Department of Defense	W912HQ-17-C-0028	Strategic Envir Rsch & Dev Pgm	W912HQ-17-C-0028
12.RD	I	165,567	U. S. Department of Defense	W912HQ18C0013	Strategic Envir Rsch & Dev Pgm	W912HQ18C0013
12.RD	I	72,419	U. S. Department of Defense	XO200A-A	Oregon State Univ.	W912HQ17C0048
12.U05	I	2,335	U. S. Department of Defense	PO18-01191	Applied Research Assoc. (Ara)	PO18-01191
12.U06	I	29,993	U. S. Department of Defense	1486	Small Business Group, Inc.	W912HN-12-D-0024
12.U07	D	8,803	U. S. Department of Defense			2017-0658
12.U08	D	25,509	U. S. Department of Defense			2005-0881
12.U09	I	37,894	U. S. Department of Defense	16246083-05	Univ Of Central Florida	HR001117S0018
14.RD	I	24,709	U. S. Department of Housing and Urban Development	2013-5-35 MBE	A.P. Sloan Found.	2013-5-35 MBE
15.232	D	129,924	Wildland Fire Research and Studies			
15.605	I	95,749	Sport Fish Restoration	2014-000065	Puerto Rico Denr	
15.611	I	2,614	Wildlife Restoration and Basic Hunter Education	2016-000092	Puerto Rico Denr	
15.628	D	63,413	Multistate Conservation Grant			
15.650	D	19,663	Research Grants (Generic)			
15.654	D	19,670	National Wildlife Refuge System Enhancements			
15.663	I	203,180	National Fish and Wildlife Foundation	8020.16.054141	Nat'L Fish & Wildlife Found.	
15.674	D	599	National Fire Plan-Wildland Urban Interface Community Fire Assistance			
15.678	D	94,365	Cooperative Ecosystem Studies Units			
15.805	D	67,992	Assistance to State Water Resources Research Institutes			
15.807	D	35,178	Earthquake Hazards Program Assistance			
15.808	D	229,969	U.S. Geological Survey Research and Data Collection			
15.810	D	17,472	National Cooperative Geologic Mapping			
15.812	D	742,043	Cooperative Research Units			
15.820	D	1,153,943	National and Regional Climate Adaptation Science Centers			
15.945	D	487,290	Cooperative Research and Training Programs - Resources of the National Park System			
15.954	D	6,117	National Park Service Conservation, Protection, Outreach, and Education			
15.RD	I	4,555	U. S. Department of Interior	NCOUA101339072017	Nature Conservancy	F12AC01516
16.026	I	59,348	OVW Research and Evaluation Program	F-FY17-62-2727	Center For Court Innovations	
16.560	D	144,214	National Institute of Justice Research, Evaluation, and Development Project Grants			
16.560	I	6,468	National Institute of Justice Research, Evaluation, and Development Project Grants	131506-G003990	Washington State University	
16.560	I	90,311	National Institute of Justice Research, Evaluation, and Development Project Grants	18-3675	Univ Of South Carolina	
16.560	I	16,907	National Institute of Justice Research, Evaluation, and Development Project Grants	5-321-0215513-52954L	Rti International	
16.560	I	20,366	National Institute of Justice Research, Evaluation, and Development Project Grants	SUB# 573344 PO#4103872	Univ Of Pennsylvania	
16.U02	I	(3,665)	U. S. Department of Justice	13-321-0215513-65112L	Rti International	2016-MU-BX-K110
17.502	D	186,680	Occupational Safety and Health Susan Harwood Training Grants			
19.009	I	26,443	Academic Exchange Programs - Undergraduate Programs	CBG-2016-R2-06	Partners Of The American Found	
19.040	I	(108)	Public Diplomacy Programs	100K-292COL-3	Partners Of The American Found	

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19.040	I	(250)	Public Diplomacy Programs	100K-292COL-3	Partners Of The Americas Found	
19.400	I	20,864	Academic Exchange Programs - Graduate Students	20320-19	Amideast	
19.401	I	56,585	Academic Exchange Programs - Scholars	0690-NorthCarolinaStateUn	Institute Of Int'L Education	
19.401	I	64,680	Academic Exchange Programs - Scholars	FS17-NCSU-JFDP	Institute Of Int'L Education	
20.200	D	3,688	Highway Research and Development Program			
20.200	I	3,345	Highway Research and Development Program	G-91279-02	Colorado State Univ.	
20.205	I	4,638	Highway Planning and Construction	14983 / FY 2017 / 2018	City Of Durham	
20.205	I	156,935	Highway Planning and Construction	TRM 18/19 DURHAM	City Of Durham	
20.215	D	8,586	Highway Training and Education			
20.609	I	4,118	Safety Belt Performance Grants	DTNH2216C00025 / 2016-014	Toxcel, Llc	
20.701	I	25,798	University Transportation Centers Program	5893-Z9600001	Univ Of Maryland, College Park	
20.701	I	52,877	University Transportation Centers Program	UFDSP00011674	Univ Of Florida	
20.RD	D	279,791	U. S. Department of Transportation			DTFH6117C00037
20.RD	I	(107)	U. S. Department of Transportation	025-5-1-042	Alaska Dot	4000(142)
20.RD	I	82,039	U. S. Department of Transportation	02563018	Alaska Dot	4000(162)
20.RD	I	83,262	U. S. Department of Transportation	02563019	Alaska Dot	4000(161)
20.RD	I	4,883	U. S. Department of Transportation	188907	WSP USA	7-000019150
20.RD	I	40,965	U. S. Department of Transportation	2016-015	Toxcel, Llc	DTNH2216D00012
20.RD	I	226,076	U. S. Department of Transportation	25183004	Alaska Dot	0527(028)
20.RD	I	30,177	U. S. Department of Transportation	25193012	Alaska Dot	4000(184)
20.RD	I	55,938	U. S. Department of Transportation	Amend #10 / UFDSP00011674	Univ Of Florida	69A3551747104
20.RD	I	13,768	U. S. Department of Transportation	Amend #5 / UFDSP00011674	Univ Of Florida	69A3551747104
20.RD	I	28,900	U. S. Department of Transportation	Amend 3 / UFDSP00011674	Univ Of Florida	69A3551747104
20.RD	I	25,630	U. S. Department of Transportation	Amend. #2 / UFDSP00011674	Univ Of Florida	69A3551747104
20.RD	I	65,511	U. S. Department of Transportation	Amend. #4 / UFDAP00011674	Univ Of Florida	69A3551747104
20.RD	I	26,036	U. S. Department of Transportation	Amend.NO.:6/UFDSP00011674	Univ Of Florida	69A3551747104
20.RD	I	155,586	U. S. Department of Transportation	DTPH5616C00001	Pipeline & Hazardous Materials	DTPH5616C00001
20.RD	I	66,137	U. S. Department of Transportation	HR 03-113 / SUB0000490	National Academy Of Sciences	DTFH61-13-H-00024
20.RD	I	131,354	U. S. Department of Transportation	HR 09-54	National Academy Of Sciences	DTFH61-08-H-000035
20.RD	I	92,284	U. S. Department of Transportation	HR-03-113	National Academy Of Sciences	DTFH61-13-H-00024
20.RD	I	38,795	U. S. Department of Transportation	P010196045	Leidos, Inc (Formerly Saic)	DTFH6116D00030
20.RD	I	217,951	U. S. Department of Transportation	S-001986-NCSU-00 14-00560	Applied Research Assoc. (Ara)	DTFH61-13-C-00025
20.RD	I	144	U. S. Department of Transportation	TDMNCSU18	Triangle J Coun Govt	TDMNCSU18
20.RD	I	43,012	U. S. Department of Transportation	TDMNCSU19	Triangle J Coun Govt	TDMNCSU19
20.RD	I	106,388	U. S. Department of Transportation	UFDSP00011674 (Amend #12)	Univ Of Florida	UFDSP00011674
20.U02	D	9,682	U. S. Department of Transportation			692M15-18-D-00020
20.U03	I	6,816	U. S. Department of Transportation	17-087	Go Triangle	17-087
20.U04	I	201,984	U. S. Department of Transportation	2018-2219	Go Triangle	2018-2219
20.U05	I	7,985	U. S. Department of Transportation	90975	Nc Campo	9-0975
20.U06	I	28,706	U. S. Department of Transportation	DTNH2216D00018 / 2018-003	Toxcel, Llc	DTNH2216RQ-00935
43.001	D	565,326	Science			
43.001	I	9,435	Science	18802	Univ Of Massachusetts	
43.001	I	10,401	Science	4500002641	Boston University	
43.001	I	13,959	Science	73175/SOMAS	State Univ Of New York	
43.001	I	21,939	Science	GO6-17062X	Smithsonian Astrophys Observ	
43.001	I	5,022	Science	GO6-17064B	Smithsonian Astrophys Observ	
43.001	I	33,839	Science	GO6-17070X	Smithsonian Astrophys Observ	
43.001	I	59,635	Science	GO7-18051X	Smithsonian Astrophys Observ	
43.001	I	12,330	Science	GO7-18068X	Smithsonian Astrophys Observ	
43.001	I	4,976	Science	GO8-19053X	Smithsonian Astrophys Observ	
43.001	I	56,622	Science	NNX16AN91G	Goddard Space Flight Center	
43.001	I	54,185	Science	SUBAWD000767	Univ Corp Atmos Res	
43.002	I	307,612	Aeronautics	17-3379 PO2000034205	Univ Of South Carolina	
43.003	D	182,825	Exploration			
43.007	D	100,219	Space Operations			
43.008	D	701,109	Education			
43.008	I	24,733	Education	2018-083	Univ Of Alabama - Huntsville	
43.008	I	46,550	Education	49A24-A	Ny City College Of Technology	
43.008	I	46,653	Education	C15-2B00-NCSU 401003-NCSU	Nat'L Inst. Of Aerospace	
43.012	D	215,061	Space Technology			
43.RD	D	94,679	National Aeronautics and Space Administration			NNX16AL68G
43.RD	I	41,290	National Aeronautics and Space Administration	C15-2B00-NCSU 201121-NCSU	Nat'L Inst. Of Aerospace	NNL09AA00A/80LARC17C0004

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43.RD	I	242,303	National Aeronautics and Space Administration	C15-2B00-NCSU 301003-NCSU	Nat'L Inst. Of Aerospace	NNL09AA00A/80LARC17C0004
43.RD	I	(2,166)	National Aeronautics and Space Administration	C15-2B00-NCSU 401004-NCSU	Nat'L Inst. Of Aerospace	NNL09AA00A/80LARC17C0004
43.RD	I	38,874	National Aeronautics and Space Administration	C15-2B00-NCSU-201087-NCSU	Nat'L Inst. Of Aerospace	NNL09AA00A/80LARC17C0004
43.RD	I	(13)	National Aeronautics and Space Administration	C15-2B00-NCSU-2D16-NCSU	Nat'L Inst. Of Aerospace	NNL09AA00A
43.RD	I	(1,384)	National Aeronautics and Space Administration	C15-2B00-NCSU-3774-NCSU	Nat'L Inst. Of Aerospace	NNL09AA00A
43.RD	I	50,370	National Aeronautics and Space Administration	C15-2B00-NCSU-401012-NCSU	Nat'L Inst. Of Aerospace	NNL09AA00A/80LARC17C0004
43.RD	I	76	National Aeronautics and Space Administration	PINS 70328	Brimrose Technology Corp	NNX16CP29P
43.RD	I	384	National Aeronautics and Space Administration	SUB00000861	Univ Of Georgia	NNZ14AR89G
45.129	I	3,691	Promotion of the Humanities Federal/State Partnership	2013-0775	Friedrich Schiller University	
45.129	I	7,914	Promotion of the Humanities Federal/State Partnership	GRANT # 17-32	Nc Humanities Coun.	
45.161	D	1,618	Promotion of the Humanities Research			
45.164	D	25,841	Promotion of the Humanities Public Programs			
45.169	D	71,358	Promotion of the Humanities Office of Digital Humanities			
45.312	D	49,415	National Leadership Grants			
45.312	I	24,766	National Leadership Grants	505135-78050	Northeastern University	
45.400	D	20,005	Peace Corps' Global Health and PEPFAR Initiative Program			
45.U01	I	5,821	Federal Council on the Arts and the Humanities	2018-3342	South Arts	2018-3342
45.U02	I	110	Federal Council on the Arts and the Humanities	2015-1498	South Arts	2015-1498
45.U03	I	3,384	Federal Council on the Arts and the Humanities	5519	South Arts	2018-1941
47.041	D	17,787,416	Engineering Grants			
47.041	I	29,437	Engineering Grants	2014-0225	Physical Devices Llc	
47.041	I	472	Engineering Grants	2015-3203	Sindre Metals Inc.	
47.041	I	14,843	Engineering Grants	2016-3358	Univ Of Cal - Irvine	
47.041	I	244	Engineering Grants	2017-1295	Applied Lifesciences & Systems	
47.041	I	5,062	Engineering Grants	4101-76208	Purdue University	
47.041	I	108	Engineering Grants	445524-19071	Virginia Polytech Inst.	
47.041	I	10,139	Engineering Grants	445524-19071A	Virginia Polytech Inst.	
47.041	I	11,150	Engineering Grants	RG758-G2	Georgia Institute Of Tech.	
47.041	I	37,021	Engineering Grants	S1863P-A	Oregon State Univ.	
47.049	D	6,424,046	Mathematical and Physical Sciences			
47.049	I	63,110	Mathematical and Physical Sciences	12-NSF-1029	Duke University	
47.049	I	20,005	Mathematical and Physical Sciences	124885_G003639	Washington State University	
47.049	I	43,130	Mathematical and Physical Sciences	16-296-NCSU	West Virginia Univ.	
47.050	D	2,110,931	Geosciences			
47.050	I	453	Geosciences	2-581500-NCSU	Oklahoma State Univ.	
47.050	I	8,531	Geosciences	208LUC613	Portland State University	
47.050	I	80,880	Geosciences	3004146004	Univ Of Michigan	
47.050	I	36,056	Geosciences	420-41-15A	Iowa State University	
47.050	I	42,767	Geosciences	SUBK00010788/PO3005450823	Univ Of Michigan	
47.070	D	7,883,890	Computer and Information Science and Engineering			
47.070	I	221,873	Computer and Information Science and Engineering	11826	Education Development Center	
47.070	I	9,987	Computer and Information Science and Engineering	389-0845	Duke University	
47.070	I	55,119	Computer and Information Science and Engineering	800005863-01UG	Florida Int'L Univ.	
47.070	I	19,974	Computer and Information Science and Engineering	800006701-01UG	Florida Int'L Univ.	
47.074	D	5,318,625	Biological Sciences			
47.074	I	(1,708)	Biological Sciences	0038425(011514-1)	University Of Pittsburgh	
47.074	I	141,981	Biological Sciences	16-04	Boyce Thompson Inst.	
47.074	I	15,411	Biological Sciences	20112101_NCSU	National Jewish Health	
47.074	I	24,388	Biological Sciences	2018-1301	Friends Of Ncsm Of Natural Sci	
47.074	I	24,285	Biological Sciences	4101-77383	Purdue University	
47.074	I	79,950	Biological Sciences	67183-10114	Cornell University	
47.074	I	73,445	Biological Sciences	C000041922-2	Univ Of Missouri - Columbia	
47.074	I	91,367	Biological Sciences	IOS-1444561	Nat'L Science Found	
47.074	I	23,918	Biological Sciences	RF331-302/S001089	Univ Of Georgia	
47.074	I	(1,596)	Biological Sciences	SUB00000657	Univ Of Georgia	
47.074	I	63,619	Biological Sciences	UWSC10442 / BPO# 30987	Univ Of Washington	
47.075	D	432,985	Social, Behavioral, and Economic Sciences			
47.075	I	92,384	Social, Behavioral, and Economic Sciences	16-789	Arizona State Univ.	
47.075	I	12,002	Social, Behavioral, and Economic Sciences	333-2368	Duke University	
47.075	I	21,216	Social, Behavioral, and Economic Sciences	5879-NCSU-NSF-7396	Pennsylvania State Univ	
47.075	I	4,560	Social, Behavioral, and Economic Sciences	PG19-66297-02	University Of Montana	
47.075	I	49,852	Social, Behavioral, and Economic Sciences	RC104050NCSU	Michigan State University	

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47.076	D	11,246,836	Education and Human Resources			
47.076	I	1,126	Education and Human Resources	00010068	Univ Of Cal - Berkeley	
47.076	I	57,737	Education and Human Resources	14246026-01	Univ Of Central Florida	
47.076	I	6,553	Education and Human Resources	2015-3274	Univ Of Cal - Irvine	
47.076	I	268,589	Education and Human Resources	278-01.01	Concord Consortium	
47.076	I	(1,966)	Education and Human Resources	479780-19071	Virginia Polytech Inst.	
47.076	I	80,380	Education and Human Resources	63019-01	Era Univ-Daytona Beach	
47.076	I	86,541	Education and Human Resources	BL-4842404-NCST/PO1881747	Indiana University	
47.076	I	17,930	Education and Human Resources	R01899	Florida State Univ	
47.076	I	323	Education and Human Resources	S150503	Prairie View A&M University	
47.076	I	18,577	Education and Human Resources	UWSC8731 / PO# BPO10762	Univ Of Washington	
47.079	D	103,052	Office of International Science and Engineering			
47.083	D	904,735	Office of Integrative Activities			
47.RD	D	145,157	National Science Foundation			2017-2112_IPA
47.RD	D	268,639	National Science Foundation			2017-2482_IPA
47.RD	D	119,578	National Science Foundation			2018-0109_IPA
47.RD	D	217,369	National Science Foundation			2018-0429_IPA
47.RD	I	106,787	National Science Foundation	2018-0351	Applied Lifesciences & Systems	1-758659
47.U01	D	92,852	National Science Foundation			N/A
59.037	D	2,763,159	Small Business Development Centers			
59.U01	D	528,810	U. S. Small Business Administration			OSBDC-2019-01/02
60.RD	I	1,352	Smithsonian Institution	4944-RFA13-1/14-5-3	Health Effects Institute	HEI 4944-RFA13-1
66.034	D	268	Surveys, Studies, Research, Investigations, Demonstrations, and Special Purpose Activities Relating to the Clean Air Act			
66.454	I	3,526	Water Quality Management Planning	7116	Mid-East Commission	
66.460	I	(4,908)	Nonpoint Source Implementation Grants	2014-1966	Hendersonville, Nc	
66.460	I	(157)	Nonpoint Source Implementation Grants	2015-1025	Town Of Pittsboro	
66.460	I	(1,483)	Nonpoint Source Implementation Grants	2016-1924	Albemarle Rc&D	
66.461	D	65,763	Regional Wetland Program Development Grants			
66.509	D	204,392	Science To Achieve Results (STAR) Research Program			
66.509	I	228,086	Science To Achieve Results (STAR) Research Program	06-S160606	Texas A&M Agrilife Research	
66.509	I	45,383	Science To Achieve Results (STAR) Research Program	2016-1630	Stockholm Environment Inst	
66.509	I	15,561	Science To Achieve Results (STAR) Research Program	3430538	Duke University	
66.509	I	(4,270)	Science To Achieve Results (STAR) Research Program	C14P11828(P00361)	Yale University	
66.509	I	255	Science To Achieve Results (STAR) Research Program	E0191A-A	Oregon State Univ.	
66.509	I	(8,943)	Science To Achieve Results (STAR) Research Program	G-58003-1	Colorado State Univ.	
66.509	I	194,859	Science To Achieve Results (STAR) Research Program	GK000295 (CON-80000098)	Yale University	
66.509	I	6,339	Science To Achieve Results (STAR) Research Program	UTA16-001140	University Of Texas - Austin	
66.511	I	61,159	Office of Research and Development Consolidated Research/Training/Fellowships	451533-19071	Virginia Polytech Inst	
66.511	I	56,605	Office of Research and Development Consolidated Research/Training/Fellowships	451533-19071	Virginia Polytech Inst.	
66.RD	I	(1,745)	U. S. Environmental Protection Agency	0393.00.017/01	Eastern Research Group, Inc.	EP-C-17-011
66.RD	I	280	U. S. Environmental Protection Agency	0393.01.017/01	Eastern Research Group, Inc.	EP-C-17-011
66.RD	I	2,495	U. S. Environmental Protection Agency	16-312-0213199-52066L	Rti International	EP-D-11-084
66.RD	I	(3,458)	U. S. Environmental Protection Agency	2017-0311	Jacobs	EP-C-15-0008
66.RD	I	8,224	U. S. Environmental Protection Agency	NCSU-19-001-RP	Jacobs	EP-C-15-00028
66.U01	I	5,569	U. S. Environmental Protection Agency	SA-2017-65	Extension Foundation	8-3698001
66.U02	I	4,869	U. S. Environmental Protection Agency	2018-1592	Jacobs	EP-C-15-0008
66.U03	I	10,535	U. S. Environmental Protection Agency	7-312-0215574-65376L	Rti International	EP-C-16-021
77.006	D	77,881	U. S. Nuclear Regulatory Commission Nuclear Education Grant Program			
77.008	D	259,992	U.S. Nuclear Regulatory Commission Scholarship and Fellowship Program			
77.RD	I	25,504	Nuclear Regulatory Commission	706K786	Univ Of Wisconsin	NRC-HQ-60-16-E-0001
81.049	D	2,683,813	Office of Science Financial Assistance Program			
81.049	I	33,125	Office of Science Financial Assistance Program	2019-0921	Susteon Inc.	
81.049	I	18,895	Office of Science Financial Assistance Program	1(GG010862)	Columbia University	
81.049	I	(693)	Office of Science Financial Assistance Program	1551588/PO#1000375790	Univ Of Colorado - Boulder	
81.049	I	94,009	Office of Science Financial Assistance Program	1555891 PO#1000911947	Univ Of Colorado - Boulder	
81.049	I	(387)	Office of Science Financial Assistance Program	2015-2339	Adroit Materials, Inc.	
81.049	I	29,325	Office of Science Financial Assistance Program	2017-2001	Calabazas Creek Research, Inc.	
81.049	I	230,605	Office of Science Financial Assistance Program	2018-0161	Lupine Materials & Technology	
81.049	I	22,637	Office of Science Financial Assistance Program	2018-1921	Genesic Semiconductor, Inc.	
81.049	I	19,701	Office of Science Financial Assistance Program	254998	Temple University	
81.049	I	108,583	Office of Science Financial Assistance Program	5026-NCSU-DOE-1090	Pennsylvania State Univ	

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81.049	I	74,734	Office of Science Financial Assistance Program	520001	Triad National Security, Llc	
81.049	I	48,664	Office of Science Financial Assistance Program	5951-NCSU-DOE-1090	Pennsylvania State Univ	
81.049	I	165,141	Office of Science Financial Assistance Program	6021-NCSU-DOE-1090	Pennsylvania State Univ	
81.049	I	48,377	Office of Science Financial Assistance Program	AWD7773336-GR205924	Georgetown Univ.	
81.049	I	309,159	Office of Science Financial Assistance Program	RC107830	Michigan State University	
81.049	I	65,605	Office of Science Financial Assistance Program	SUB00001810	Univ Of Georgia Res Fdn	
81.049	I	54,362	Office of Science Financial Assistance Program	SUB0000292	Princeton University	
81.049	I	385,998	Office of Science Financial Assistance Program	WU-15-69 (PO#2922325Y)	Washington University-St Louis	
81.049	I	25,708	Office of Science Financial Assistance Program	WU-HT-10-09 PO: 2934281G	Washington University-St Louis	
81.086	D	9,657,935	Conservation Research and Development			
81.086	I	165,664	Conservation Research and Development	16-707NCSU PO#MM000026944	West Virginia Univ.	
81.086	I	7,204	Conservation Research and Development	A19-0435-S003	Univ Of Tennessee	
81.086	I	10,146	Conservation Research and Development	NO. 192216	Stanford Univ	
81.087	D	324,971	Renewable Energy Research and Development			
81.087	I	76,120	Renewable Energy Research and Development	1070227-382029	Carnegie Mellon Univ	
81.087	I	152,741	Renewable Energy Research and Development	8500051911	Univ Of Tennessee	
81.087	I	(7)	Renewable Energy Research and Development	CESMII-2017-R-03	Smart Manufacturing Lead. Co.	
81.087	I	148,211	Renewable Energy Research and Development	DE-EE0007253-NCSU	Eaton Corp.	
81.087	I	372,258	Renewable Energy Research and Development	DE-EE0007888-05-6	Rapid Institute	
81.087	I	77,440	Renewable Energy Research and Development	Subaward # M1802860	Texas A&M Engine Exper Station	
81.087	I	102,533	Renewable Energy Research and Development	SUBCONTRACT NO. 1004	Corrim	
81.087	I	1,035	Renewable Energy Research and Development	ZFC-5-52044-01	Alliance For Sustainable Energy	
81.089	D	1,026,363	Fossil Energy Research and Development			
81.113	D	4,592,762	Defense Nuclear Nonproliferation Research			
81.113	I	250,394	Defense Nuclear Nonproliferation Research	3003222368	Univ Of Michigan	
81.117	D	627,768	Energy Efficiency and Renewable Energy Information Dissemination, Outreach, Training and Technical Analysis/Assistance			
81.117	I	68,136	Energy Efficiency and Renewable Energy Information Dissemination, Outreach, Training and Technical Analysis/Assistance	PEEIF486-01	Ucpkog	
81.121	D	3,523,597	Nuclear Energy Research, Development and Demonstration			
81.121	I	59,279	Nuclear Energy Research, Development and Demonstration	00009945	Univ Of Cal - Berkeley	
81.121	I	(18,078)	Nuclear Energy Research, Development and Demonstration	401012-5801	Colorado School Of Mines	
81.121	I	73,804	Nuclear Energy Research, Development and Demonstration	401012-5801 PO160941	Colorado School Of Mines	
81.121	I	78,862	Nuclear Energy Research, Development and Demonstration	401012-5803	Colorado School Of Mines	
81.121	I	81,369	Nuclear Energy Research, Development and Demonstration	4105-77328	Purdue University	
81.121	I	18,688	Nuclear Energy Research, Development and Demonstration	4105-84088	Purdue University	
81.121	I	127,349	Nuclear Energy Research, Development and Demonstration	5725-NCSU-DOE-8717	Pennsylvania State Univ	
81.121	I	140,006	Nuclear Energy Research, Development and Demonstration	775K541	Univ Of Wisconsin	
81.121	I	72,827	Nuclear Energy Research, Development and Demonstration	Subaward NO. 68016083-01	Univ Of Central Florida	
81.122	D	59,284	Electricity Delivery and Energy Reliability, Research, Development and Analysis			
81.128	I	14,817	Energy Efficiency and Conservation Block Grant Program (EECBG)	2019-SEEA-111	Southeast Energy Eff Alliance	
81.135	D	912,280	Advanced Research Projects Agency - Energy			
81.135	I	4,742	Advanced Research Projects Agency - Energy	2018-3411	Abb, Inc.	
81.135	I	139,426	Advanced Research Projects Agency - Energy	001-42703	Eaton Corp	
81.135	I	(13,774)	Advanced Research Projects Agency - Energy	2015-3268	Grid Logic, Inc.	
81.135	I	139,025	Advanced Research Projects Agency - Energy	2018-0104	Adroit Materials, Inc.	
81.135	I	70,685	Advanced Research Projects Agency - Energy	33339-Z7218002	Univ Of Maryland, College Park	
81.135	I	(415)	Advanced Research Projects Agency - Energy	79427836; PO#S9001469	Univ Of Cal - San Diego	
81.135	I	179,426	Advanced Research Projects Agency - Energy	9153-20936	Vanderbilt University	
81.RD	D	112,747	U. S. Department of Energy			DE-AC52-07NA27344
81.RD	I	1,655	U. S. Department of Energy	00042959 40	Battelle Energy Alliance, Llc	DE-AC07-05ID-14517
81.RD	I	(9)	U. S. Department of Energy	00145661-00001	Battelle Energy Alliance, Llc	DE-AC07-05ID-14517
81.RD	I	29,531	U. S. Department of Energy	00145661-00002	Battelle Energy Alliance, Llc	DE-AC07-05ID-14517
81.RD	I	6,009	U. S. Department of Energy	0145661-006	Battelle Energy Alliance, Llc	DE-AC07-05ID-14517
81.RD	I	9,985	U. S. Department of Energy	0145661-007	Battelle Energy Alliance, Llc	DE-AC07-05ID-14517
81.RD	I	(5,541)	U. S. Department of Energy	145661-007	Battelle Energy Alliance, Llc	DE-AC07-05ID-14517
81.RD	I	14,078	U. S. Department of Energy	145661-13	Battelle Energy Alliance, Llc	DE-AC07-05ID-14517
81.RD	I	224,284	U. S. Department of Energy	145661-14	Battelle Energy Alliance, Llc	DE-AC07-05ID-14517
81.RD	I	25,903	U. S. Department of Energy	145661-17	Battelle Energy Alliance, Llc	DE-AC07-05ID-14517
81.RD	I	12,975	U. S. Department of Energy	145661-18	Battelle Energy Alliance, Llc	DE-AC07-05ID-14517
81.RD	I	1,240	U. S. Department of Energy	145661-4	Battelle Energy Alliance, Llc	DE-AC07-05ID-14517
81.RD	I	5,292	U. S. Department of Energy	156020	Battelle Energy Alliance, Llc	DE-AC07-05ID-14517

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81.RD	I	21,828	U. S. Department of Energy	1746480	Sandia National Lab	2017-0516
81.RD	I	72,933	U. S. Department of Energy	1871780	Sandia National Lab	2018-1298
81.RD	I	68,764	U. S. Department of Energy	1994475	Sandia National Lab	2019-0366
81.RD	I	17,661	U. S. Department of Energy	2019-0440	Riken Bnl Res. Center	2019-0440
81.RD	I	5,934	U. S. Department of Energy	2019-0975	Pacific Northwest National Lab	2019-0975
81.RD	I	199,840	U. S. Department of Energy	286473	Pacific Northwest National Lab	DE-AC05-76RL01830
81.RD	I	55,118	U. S. Department of Energy	292626	Pacific Northwest National Lab	DE-AC05-76RL01830
81.RD	I	11,750	U. S. Department of Energy	329344	Brookhaven Nat'L Lab	DE-SC0012704
81.RD	I	41,385	U. S. Department of Energy	356231	Brookhaven Nat'L Lab	DE-SC0012704
81.RD	I	47,888	U. S. Department of Energy	4000056870	Ut-Battelle Llc	DE-AC05-00OR22725
81.RD	I	305,802	U. S. Department of Energy	4000114671	Oak Ridge National Lab	DE-AC05-00OR22725
81.RD	I	(573)	U. S. Department of Energy	4000130891	Ut Battelle Llc	DE-AC05-00OR22725
81.RD	I	11,568	U. S. Department of Energy	4000144968	Oak Ridge National Lab	DE-AC05-00OR22725
81.RD	I	12,734	U. S. Department of Energy	4000145506	Ut Battelle, Llc	DE-AC05-00OR22725
81.RD	I	126,795	U. S. Department of Energy	4000151695	Ut-Battelle Llc	DE-AC05-00OR22725
81.RD	I	10,485	U. S. Department of Energy	4000155187	Ut Battelle Llc	DE-AC05-00OR22725
81.RD	I	24,490	U. S. Department of Energy	4000161999	Oak Ridge National Lab	DE-AC05-00OR22725
81.RD	I	196,978	U. S. Department of Energy	4000163442	Oak Ridge National Lab	DE-AC05-00OR22725
81.RD	I	69,879	U. S. Department of Energy	4000166084	Oak Ridge National Lab	DE-AC05-00OR22725
81.RD	I	21,126	U. S. Department of Energy	4000168840	Oak Ridge National Lab	DE-AC05-00OR22725
81.RD	I	56,150	U. S. Department of Energy	4000170783	Oak Ridge National Lab	DE-AC05-00OR22725
81.RD	I	27,054	U. S. Department of Energy	4200000036-4000126315	Ut-Battelle Llc	DE-AC05-00OR22725
81.RD	I	47,153	U. S. Department of Energy	4200000036-4000133202	Oak Ridge National Lab	DE-AC05-00OR22725
81.RD	I	64,957	U. S. Department of Energy	4200000036-4000141258	Ut-Battelle Llc	DE-AC05-00OR22725
81.RD	I	7,144	U. S. Department of Energy	4200000036-4000147886	Oak Ridge National Lab	DE-AC05-00OR22725
81.RD	I	75,927	U. S. Department of Energy	4200000036-4000168373	Oak Ridge National Lab	DE-AC05-00OR22725
81.RD	I	26,512	U. S. Department of Energy	4200000570-40000153636	Ut-Battelle Llc	DE-AC05-00OR22725
81.RD	I	50,486	U. S. Department of Energy	4200000570-4000143422	Oak Ridge National Lab	DE-AC05-00OR22725
81.RD	I	43,937	U. S. Department of Energy	4200000570-4000159477	Oak Ridge National Lab	DE-AC05-00OR22725
81.RD	I	28,041	U. S. Department of Energy	427825	Los Alamos Nat'L Lab	DE-AC52-06NA25396
81.RD	I	103,457	U. S. Department of Energy	463643	Los Alamos Nat'L Lab	DE-AC52-06NA25396
81.RD	I	23,706	U. S. Department of Energy	491256	Los Alamos Nat'L Lab	DE-AC52-06NA25396
81.RD	I	29,980	U. S. Department of Energy	498459	Los Alamos Nat'L Lab	DE-AC52-06NA25396
81.RD	I	(26,449)	U. S. Department of Energy	4F-32144	Argonne Nat'L Lab	DE-AC02-06CH11357
81.RD	I	48,841	U. S. Department of Energy	508854	Triad National Security, Llc	89233218CNA000001
81.RD	I	64,001	U. S. Department of Energy	7090112	L. Berkeley Natl Lab	DE-AC02-05CH11231
81.RD	I	127,361	U. S. Department of Energy	7381614	L. Berkeley Natl Lab	DE-AC02-05CH11231
81.RD	I	92,378	U. S. Department of Energy	8F-30076	Argonne Nat'L Lab	DE-AC02-06CH11357
81.RD	I	16,788	U. S. Department of Energy	8F-30081	Argonne Nat'L Lab	DE-AC02-06CH11357
81.RD	I	8,021	U. S. Department of Energy	8F-30197	Argonne Nat'L Lab	DE-AC02-06CH11357
81.RD	I	23,003	U. S. Department of Energy	8F-30226	Argonne Nat'L Lab	DE-AC02-06CH11357
81.RD	I	7,054	U. S. Department of Energy	9F-60064	Argonne Nat'L Lab	DE-AC02-06CH11357
81.RD	I	112,561	U. S. Department of Energy	B615702	Lawrence Livermore Natl. Secu.	DE-AC52-07NA27344
81.RD	I	140,627	U. S. Department of Energy	B620596	Lawrence Livermore Natl Lab	DE-AC52-07NA27344
81.RD	I	60,035	U. S. Department of Energy	B621752	Lawrence Livermore Natl Lab	DE-AC52-07NA27344
81.RD	I	116,862	U. S. Department of Energy	B623398	Lawrence Livermore Natl Lab	DE-AC52-07NA27344
81.RD	I	21,708	U. S. Department of Energy	B627261	Lawrence Livermore Natl Lab	DE-AC52-07NA27344
81.RD	I	79,418	U. S. Department of Energy	B628785	Lawrence Livermore Natl Lab	DE-AC52-07NA27344
81.RD	I	13,130	U. S. Department of Energy	B631308	Lawrence Livermore Natl Lab	DE-AC52-07NA27344
81.RD	I	16,307	U. S. Department of Energy	B633311	Lawrence Livermore Natl Lab	DE-AC52-07NA27344
81.RD	I	35,824	U. S. Department of Energy	LTI-FE0022594-NCS	Leonardo Technologies, Inc.	DE-FE0022594
81.RD	I	16,444	U. S. Department of Energy	M1900080	Texas A&M Univ.	DE-AC02-05CH11231
81.RD	I	16,669	U. S. Department of Energy	MASTER #145661-RELEASE#11	Battelle Energy Alliance, Llc	DE-AC07-05ID-14517
81.RD	I	126,252	U. S. Department of Energy	MASTER #145661-RELEASE#19	Battelle Energy Alliance, Llc	DE-AC07-05ID-14517
81.RD	I	134,513	U. S. Department of Energy	MASTER #145661-RELEASE#20	Battelle Energy Alliance, Llc	DE-AC07-05ID-14517
81.RD	I	3,946	U. S. Department of Energy	MASTER #145661-RELEASE#21	Battelle Energy Alliance, Llc	DE-AC07-05ID-14517
81.RD	I	73,438	U. S. Department of Energy	PO # 107832	Bettis Atomic Power Laboratory	2014-2982
81.RD	I	119,546	U. S. Department of Energy	PO #107832	Bettis Atomic Power Laboratory	2014-2982
81.RD	I	46,320	U. S. Department of Energy	PO # 107832	Bettis Atomic Power Laboratory	2014-2982
81.RD	I	74,017	U. S. Department of Energy	RELEASE 16 U/C 145661	Battelle Energy Alliance, Llc	DE-AC07-05ID-14517
81.RD	I	7,086	U. S. Department of Energy	RELEASE NO. 23/BMC 145661	Battelle Energy Alliance, Llc	DE-AC07-05ID-14517
81.U04	D	47,413	U. S. Department of Energy			2017-0487_IPA

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81.U05	I	2,555	U. S. Department of Energy	184998	Slac National Accelerator Lab	DE-AC02-76SF00515
81.U06	I	284	U. S. Department of Energy	2015-1348	Southeastern Coastal Wind Coal	DE-AC36-08G028308
84.007	D	567,676	Federal Supplemental Educational Opportunity Grants			
84.033	D	968,707	Federal Work-Study Program			
84.038	D	9,890,113	Federal Perkins Loan Program Federal Capital Contributions			
84.042	D	457,999	TRIO Student Support Services			
84.044	D	407,291	TRIO Talent Search			
84.047	D	970,711	TRIO Upward Bound			
84.063	D	24,524,742	Federal Pell Grant Program			
84.120	I	604	Minority Science and Engineering Improvement	S150508	Prairie View A&M University	
84.133	I	3,874	National Institute on Disability and Rehabilitation Research	1701835A/PO#SR0000498	Univ Of Maryland Balt. County	
84.200	D	475,991	Graduate Assistance in Areas of National Need			
84.217	D	289,490	TRIO McNair Post-Baccalaureate Achievement			
84.268	D	118,082,318	Federal Direct Student Loans			
84.305	D	31,629	Education Research, Development and Dissemination			
84.305	I	66,949	Education Research, Development and Dissemination	569644 PO# 4103750	Univ Of Pennsylvania	
84.305	I	391	Education Research, Development and Dissemination	PO15786	Sri International	
84.305	I	56,904	Education Research, Development and Dissemination	SUB00001449	Univ Of Georgia	
84.334	I	567	Gaining Early Awareness and Readiness for Undergraduate Programs	19100053-001	Purdue University	
84.363	D	579,722	School Leader Recruitment and Support (formerly School Leadership)			
84.366	I	9,612	Mathematics and Science Partnerships	2015-1763	Person County Schools	
84.377	D	113,012	School Improvement Grants			
84.408	D	7,116	Postsecondary Education Scholarships for Veteran's Dependents			
84.424	I	6,536	Student Support and Academic Enrichment Program	2018-2969	Wilson County Schools	
84.RD	I	97,958	U. S. Department of Education	0419500001	American Inst. For Research	ED-IES-16-C-0017
84.RD	I	23,560	U. S. Department of Education	1-312-0214656-52171L	Rti International	2014-3218
84.RD	I	87,704	U. S. Department of Education	EIR GRANT #U411B170038	Niswonger Foundation	U411B170038
84.U03	I	(1,167)	U. S. Department of Education	2015-0613	Jones County Schools	2015-0613
93.086	I	4,259	Healthy Marriage Promotion and Responsible Fatherhood Grants	2017-1299	Center For Policy Research	
93.103	D	339,522	Food and Drug Administration Research			
93.103	I	18	Food and Drug Administration Research	06-S140685	Texas A&M Univ.	
93.113	D	5,204,243	Environmental Health			
93.113	I	5,523	Environmental Health	NCSU-3338-02	Euro. Molecular Biology Lab	
93.113	I	24,010	Environmental Health	M1901895	Texas A&M Univ.	
93.113	I	78,427	Environmental Health	P0431A-A	Oregon State Univ.	
93.113	I	(17,460)	Environmental Health	T133135	Emory University	
93.113	I	28,341	Environmental Health	T787631	Emory University	
93.121	I	(92)	Oral Diseases and Disorders Research	000407304-001	Univ Of Alabama	
93.121	I	210,399	Oral Diseases and Disorders Research	PT112270-SC107121	Virginia Commonwealth Univ	
93.143	I	25,866	NIEHS Superfund Hazardous Substances Basic Research and Education	A03-1122	Duke University	
93.143	I	291,773	NIEHS Superfund Hazardous Substances Basic Research and Education	02-M1800350	Texas A&M Univ.	
93.143	I	1,460	NIEHS Superfund Hazardous Substances Basic Research and Education	203-6119	Duke University	
93.143	I	135,886	NIEHS Superfund Hazardous Substances Basic Research and Education	203-7058	Duke University	
93.143	I	3,557	NIEHS Superfund Hazardous Substances Basic Research and Education	5(GG013322-20)	Columbia University	
93.143	I	964	NIEHS Superfund Hazardous Substances Basic Research and Education	5(GG0133322-04)	Columbia University	
93.172	D	11,084	Human Genome Research			
93.173	D	168,237	Research Related to Deafness and Communication Disorders			
93.213	I	51,914	Research and Training in Complementary and Integrative Health	11000465-028	Purdue University	
93.213	I	1,501	Research and Training in Complementary and Integrative Health	4102-70443	Purdue University	
93.226	I	26,414	Research on Healthcare Costs, Quality and Outcomes	2032514	Duke University	
93.242	D	368,893	Mental Health Research Grants			
93.242	I	5,954	Mental Health Research Grants	PIN 2019-175NCSU	Pinnacle Technology, Inc.	
93.262	I	1,711	Occupational Safety and Health Program	6402-1090-00-A	Univ Of South Florida	
93.273	D	(3,798)	Alcohol Research Programs			
93.273	I	42,665	Alcohol Research Programs	2017-1740	Kwj Engineering	
93.273	I	(8,560)	Alcohol Research Programs	500693 NCSU	Feinstein Inst For Medical Res	
93.279	D	968,925	Drug Abuse and Addiction Research Programs			
93.279	I	(32,428)	Drug Abuse and Addiction Research Programs	122812-G003334	Washington State University	
93.286	D	2,125,440	Discovery and Applied Research for Technological Innovations to Improve Human Health			
93.286	I	(502)	Discovery and Applied Research for Technological Innovations to Improve Human Health	1553725/ PO 1000653369	Univ Of Colorado - Boulder	

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93.307	D	818,572	Minority Health and Health Disparities Research			
93.307	I	28,911	Minority Health and Health Disparities Research	60044313 NCSU YEAR 2	Northwestern University	
93.310	D	127,845	Trans-NIH Research Support			
93.310	I	88,419	Trans-NIH Research Support	A030547	Duke University	
93.319	D	280,085	Outreach Programs to Reduce the Prevalence of Obesity in High Risk Rural Areas			
93.350	I	41,083	National Center for Advancing Translational Sciences	C00061087-3	Univ Of Missouri - Columbia	
93.351	D	959,405	Research Infrastructure Programs			
93.361	D	86,946	Nursing Research			
93.361	I	44,647	Nursing Research	304482/PO#3100599518	Children's Hospital Med Center	
93.393	D	751,486	Cancer Cause and Prevention Research			
93.393	I	23,901	Cancer Cause and Prevention Research	UFDSP00011890 P0032835	Univ Of Florida	
93.394	I	11,616	Cancer Detection and Diagnosis Research	10695SC	Univ Of Cal - San Francisco	
93.394	I	22,809	Cancer Detection and Diagnosis Research	10696SC	Univ Of Cal - San Francisco	
93.394	I	173,677	Cancer Detection and Diagnosis Research	1552592/PO:1000500405	Univ Of Colorado - Boulder	
93.394	I	23,129	Cancer Detection and Diagnosis Research	17-3177 / PO# 2000029462	Univ Of South Carolina	
93.395	D	335,502	Cancer Treatment Research			
93.395	I	14,242	Cancer Treatment Research	2037321	Duke University	
93.396	D	427,836	Cancer Biology Research			
93.397	I	15,574	Cancer Centers Support Grants	ASUB08	Arizona State Univ.	
93.398	D	38,550	Cancer Research Manpower			
93.433	I	6,334	ACL National Institute on Disability, Independent Living, and Rehabilitation Research	5601	Rehabilitation Inst Of Chicago	
93.433	I	27,824	ACL National Institute on Disability, Independent Living, and Rehabilitation Research	SRALAB REF # 7249 / 82261	Rehabilitation Inst Of Chicago	
93.610	I	24,031	Health Care Innovation Awards (HCIA)	2016-1866	Community Care Of Nc Services	
93.732	D	608,847	Mental and Behavioral Health Education and Training Grants			
93.757	I	5,889	State and Local Public Health Actions to Prevent Obesity, Diabetes, Heart Disease and Stroke (PPHF)	2016-049309-002 PO#428829	Texas Dept. Of State Health	
93.788	D	217,096	Opioid STR			
93.837	D	1,219,490	Cardiovascular Diseases Research			
93.837	I	197,826	Cardiovascular Diseases Research	2016-1746	Profusa, Inc.	
93.837	I	(76)	Cardiovascular Diseases Research	60436087-107606-A	Stanford Univ	
93.838	I	88,577	Lung Diseases Research	A030449	Duke University	
93.839	D	386,525	Blood Diseases and Resources Research			
93.846	D	364,710	Arthritis, Musculoskeletal and Skin Diseases Research			
93.847	D	302,291	Diabetes, Digestive, and Kidney Diseases Extramural Research			
93.847	I	10,063	Diabetes, Digestive, and Kidney Diseases Extramural Research	0000917572	Fred Hutchinson Cancer Res Cen	
93.847	I	38,601	Diabetes, Digestive, and Kidney Diseases Extramural Research	A030489	Duke University	
93.853	D	627,131	Extramural Research Programs in the Neurosciences and Neurological Disorders			
93.853	I	20,986	Extramural Research Programs in the Neurosciences and Neurological Disorders	2019-1338	Soymeds, Inc	
93.853	I	31,689	Extramural Research Programs in the Neurosciences and Neurological Disorders	2036795	Duke University	
93.853	I	2,910	Extramural Research Programs in the Neurosciences and Neurological Disorders	2037079	Duke University	
93.853	I	41,340	Extramural Research Programs in the Neurosciences and Neurological Disorders	2037463	Duke University	
93.853	I	19,405	Extramural Research Programs in the Neurosciences and Neurological Disorders	A030772	Duke University	
93.853	I	18,874	Extramural Research Programs in the Neurosciences and Neurological Disorders	NO. 569935 PO# 4134043	Univ Of Pennsylvania	
93.855	D	600,447	Allergy and Infectious Diseases Research			
93.855	I	16,497	Allergy and Infectious Diseases Research	008-1117	Agile Sciences	
93.855	I	46,651	Allergy and Infectious Diseases Research	201303042-02	Univ Of Cal - Davis	
93.855	I	(620)	Allergy and Infectious Diseases Research	2016-0593	Nirvana Sciences, Inc.	
93.855	I	7,002	Allergy and Infectious Diseases Research	2019-0698	Nirvana Sciences, Inc.	
93.855	I	57,160	Allergy and Infectious Diseases Research	3021231	Duke University	
93.855	I	52,024	Allergy and Infectious Diseases Research	3021232	Duke University	
93.855	I	74,649	Allergy and Infectious Diseases Research	700154-0119-00	Nationwide Children's Hospital	
93.855	I	(8,060)	Allergy and Infectious Diseases Research	G-2544-1	Colorado State Univ.	
93.856	D	18,275	Microbiology and Infectious Diseases Research			
93.859	D	5,159,164	Biomedical Research and Research Training			
93.859	I	93,296	Biomedical Research and Research Training	1090551-404471	Carnegie Mellon Univ	
93.859	I	581	Biomedical Research and Research Training	11000451-009	Purdue University	
93.859	I	2,366	Biomedical Research and Research Training	1P50GM09450301A1PO1289717	Medical College Of Wisconsin	
93.859	I	118,250	Biomedical Research and Research Training	2018-2341	Nirvana Sciences, Inc.	
93.859	I	122,458	Biomedical Research and Research Training	257888-NCSU	Temple University	
93.859	I	34,539	Biomedical Research and Research Training	5829-NCSU-DHHS-3106	Pennsylvania State Univ	
93.859	I	54,350	Biomedical Research and Research Training	78565-10763	Cornell University	
93.859	I	144,428	Biomedical Research and Research Training	GB10488.156554	Univ Of Virginia	

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93.859	I	43,959	Biomedical Research and Research Training	RF164-G1	Georgia Institute Of Tech.	
93.865	D	1,158,244	Child Health and Human Development Extramural Research			
93.865	I	31,091	Child Health and Human Development Extramural Research	2037340	Duke University	
93.865	I	32,765	Child Health and Human Development Extramural Research	3730 (COST CENTER 81370)	Rehabilitation Inst Of Chicago	
93.865	I	24,590	Child Health and Human Development Extramural Research	A03-1205	Duke University	
93.866	D	1,112,151	Aging Research			
93.866	I	875	Aging Research	2019-0684	Karamedica Inc.	
93.866	I	7,539	Aging Research	432102-19071	Virginia Polytech Inst.	
93.866	I	332,439	Aging Research	9SB1AG059313	Cytex Therapeutics, Inc	
93.867	D	258,685	Vision Research			
93.876	D	100,850	Antimicrobial Resistance Surveillance in Retail Food Specimens			
93.879	I	1,797	Medical Library Assistance	1600679	Univ Of Maryland Balt. County	
93.991	I	45,964	Preventive Health and Health Services Block Grant	CY-6-466	Scdhec	
93.RD	D	12,648	U. S. Department of Health and Human Services			254-2017-M-94828
93.RD	D	34,192	U. S. Department of Health and Human Services			HHSF223201710086P
93.RD	D	87,421	U. S. Department of Health and Human Services			HHSF223201710406P
93.RD	D	138,636	U. S. Department of Health and Human Services			HHSF223201810026I
93.RD	D	109,406	U. S. Department of Health and Human Services			HHSF223201810225P
93.RD	I	3,238	U. S. Department of Health and Human Services	#06-S170631	Texas A&M Agrilife Research	200-2016-91789
93.RD	I	136,212	U. S. Department of Health and Human Services	18X090	Leidos, Inc (Formerly Saic)	HHSN261201800001E
93.RD	I	20,788	U. S. Department of Health and Human Services	19-001	Ils, Inc.	HHSN273201500010C
93.RD	I	47,597	U. S. Department of Health and Human Services	2016-0746	Agle Sciences, Inc.	HHSN272201500010C
93.RD	I	18,270	U. S. Department of Health and Human Services	2018-1560	Nasda	5U01FD005334-04
93.RD	I	14,199	U. S. Department of Health and Human Services	KT-19-01	Kaio Therapy	HHSN261201800028C
93.RD	I	27,819	U. S. Department of Health and Human Services	NCSU-01-4574	Mcking Consulting Corp	200-2016-F-90988
93.RD	I	89,356	U. S. Department of Health and Human Services	UWSC10535 BPO#32122	Univ Of Washington	HHSN272201800008C
93.RD	I	3,965	U. S. Department of Health and Human Services	WU-19-165 (PO 2934585G)	Washington University-St Louis	75D30118C02926
93.U04	D	(633)	U. S. Department of Health and Human Services			HHSF223201410374A
94.019	I	241,418	Social Innovation Fund	Contract No.303:17/18-001	Nc Partnership For Children	
94.RD	I	73,711	Corporation for National and Community Service	2019-1047	Share Our Strength	2019-1047
97.044	D	1,433,534	Assistance to Firefighters Grant			
97.108	I	191,014	Homeland Security, Research, Testing, Evaluation, and Demonstration of Technologies	2018-0843	Higher Dimension Materials Inc	
98.001	I	11,223	USAID Foreign Assistance for Programs Overseas	451375-19071	Virginia Polytech Inst.	
98.001	I	6,522	USAID Foreign Assistance for Programs Overseas	F9000735402006	Purdue University	
98.001	I	39,050	USAID Foreign Assistance for Programs Overseas	F9002795702004	Purdue University	
98.001	I	54,432	USAID Foreign Assistance for Programs Overseas	SUB00001723	Univ Of Georgia	
98.012	I	4,540	USAID Development Partnerships for University Cooperation and Development	RC102095-W1003	Michigan State University	
98.012	I	(16)	USAID Development Partnerships for University Cooperation and Development	RC710-077/S001334	Univ Of Georgia	
98.RD	I	6	United States Agency for International Development	2000006098	National Academy Of Sciences	ESP-00-05-00001-00
98.RD	I	62,643	United States Agency for International Development	2000007142	National Academy Of Sciences	AID-263-A-15-00002
98.RD	I	62,091	United States Agency for International Development	2000007149	National Academy Of Sciences	EPP_A-00-06-00012-00
98.RD	I	70,706	United States Agency for International Development	RC102095-G4003	Michigan State University	2017-0098
98.RD	I	70,082	United States Agency for International Development	RC710-081/S001708	Univ Of Georgia	RC710-081/S001708
98.RD	I	110,418	United States Agency for International Development	RD011G-C	Oregon State Univ.	RD011G-C USAID OSU
98.U01	I	10,158	United States Agency for International Development	RC102095BHEARD-MALAWI	Michigan State University	2015-1922
		400,532,211	Total — North Carolina State University			
University of North Carolina - General Administration						
64.124	D	340,361	All-Volunteer Force Educational Assistance			
84.334	D	3,903,702	Gaining Early Awareness and Readiness for Undergraduate Programs			
84.367	D	478,051	Supporting Effective Instruction State Grants (formerly Improving Teacher Quality State Grants)			
		4,722,114	Total — University of North Carolina - General Administration			
University of North Carolina at Asheville						
10.652	D	99,951	Forestry Research			
10.664	D	4,568	Cooperative Forestry Assistance			
11.431	D	430	Climate and Atmospheric Research			
11.431	I	30,946	Climate and Atmospheric Research	64697	National Fish & Wildlife Fndn	
11.431	I	2,143	Climate and Atmospheric Research	GSXXFFXYYS	Harmonic International	
11.459	D	4,997	Weather and Air Quality Research			

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Federal CFDA Number	Direct/ Indirect	Program Expenditures	CFDA Program Title	Pass -Through Number	Pass -Through Entity Name	Additional Award Information
12.300	I	14,655	Basic and Applied Scientific Research	17019F-501	Blue Ridge Rsc & Consulting	
15.650	D	14,862	Research Grants (Generic)			
15.669	D	2,370	Cooperative Landscape Conservation			
15.810	D	8,719	National Cooperative Geologic Mapping			
15.945	D	8,634	Cooperative Research and Training Programs - Resources of the National Park System			
43.001	I	120,957	Science	HST-AR-14553.009-A	NASA Space Telescope Science Institute	
45.163	D	706	Promotion of the Humanities Professional Development			
47.049	D	77	Mathematical and Physical Sciences			
47.050	D	13,951	Geosciences			
47.070	D	33,000	Computer and Information Science and Engineering			
47.070	I	29,031	Computer and Information Science and Engineering	SUB00001775	Univ of Georgia	
47.076	D	347,348	Education and Human Resources			
84.007	D	119,065	Federal Supplemental Educational Opportunity Grants			
84.033	D	102,370	Federal Work-Study Program			
84.038	D	-	Federal Perkins Loan Program Federal Capital Contributions			
84.063	D	6,132,476	Federal Pell Grant Program			
84.268	D	14,155,656	Federal Direct Student Loans			
84.379	D	3,752	Teacher Education Assistance for College and Higher Education Grants (TEACH Grants)			
93.110	I	95,429	Maternal and Child Health Federal Consolidated Programs	60041104	Ohio State Univ	
93.242	I	15,895	Mental Health Research Grants	60067476	Ohio State Univ	
93.286	I	77,263	Discovery and Applied Research for Technological Innovations to Improve Human Health	KK1944	UC Santa Barbara	
93.734	D	236,918	Empowering Older Adults and Adults with Disabilities through Chronic Disease Self-Management Education Programs - financed by Prevention and Public Health Funds (PPHF)			
93.945	D	234,857	Assistance Programs for Chronic Disease Prevention and Control			
		<u>21,911,026</u>	Total — University of North Carolina at Asheville			
University of North Carolina at Chapel Hill						
10.001	D	23,494	Agricultural Research Basic and Applied Research			
10.200	D	33,499	Grants for Agricultural Research, Special Research Grants			
10.200	I	203,420	Grants for Agricultural Research, Special Research Grants	S19005	Kansas State University	
10.290	D	11,566	Agricultural Market and Economic Research			
10.310	D	718,258	Agriculture and Food Research Initiative (AFRI)			
10.310	I	90,132	Agriculture and Food Research Initiative (AFRI)	73934-10464	Cornell University	
10.351	D	75,346	Rural Business Development Grant			
10.446	D	11,074	Rural Community Development Initiative			
10.533	D	68,691	SNAP-Ed Toolkit			
10.561	I	22,125	State Administrative Matching Grants for the Supplemental Nutrition Assistance Program	0000001570	University of Wisconsin-Extension	
10.561	I	11,644	State Administrative Matching Grants for the Supplemental Nutrition Assistance Program	0000002028	University of Wisconsin	
10.561	I	1,478	State Administrative Matching Grants for the Supplemental Nutrition Assistance Program	4400019226	South Carolina Department of Social Serv	
10.561	I	9,709	State Administrative Matching Grants for the Supplemental Nutrition Assistance Program	4400020209	South Carolina Department of Social Serv	
10.561	I	6,100	State Administrative Matching Grants for the Supplemental Nutrition Assistance Program	N/A	University of Missouri	
10.902	D	7,882	Soil and Water Conservation			
10.RD	D	3,348	U. S. Department of Agriculture			A16-1660-001
10.RD	D	6,177	U. S. Department of Agriculture			A17-1403-001
10.RD	D	17,462	U. S. Department of Agriculture			A18-0348-001
10.RD	D	136	U. S. Department of Agriculture			A19-0197-001
10.RD	I	2,072	U. S. Department of Agriculture	1600013/ SR00004155	University of Maryland at Baltimore (UMB)	A15-1704-001
11.012	D	55,028	Integrated Ocean Observing System (IOOS)			
11.012	I	7,104	Integrated Ocean Observing System (IOOS)	2013-001	Southeastern Universities Research Assoc	
11.012	I	(1)	Integrated Ocean Observing System (IOOS)	433894/S1574936	Rutgers the State University of New Jersey	
11.012	I	136,845	Integrated Ocean Observing System (IOOS)	IOOS.16(028)UNCCCH.HS	SECOORA Program	
11.020	D	1,548	Cluster Grants			
11.020	I	29,704	Cluster Grants	343-0585	Duke University	
11.303	D	137,545	Economic Development Technical Assistance			

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Federal CFDA Number	Direct/ Indirect	Program Expenditures	CFDA Program Title	Pass -Through Number	Pass -Through Entity Name	Additional Award Information
11.419	I	2,065	Coastal Zone Management Administration Awards	290130D	University of Oregon	
11.419	I	304,130	Coastal Zone Management Administration Awards	3004232333	University of Michigan Board of Regents	
11.431	D	135,213	Climate and Atmospheric Research			
11.431	I	153,702	Climate and Atmospheric Research	17-3250/PO2000030010	University of South Carolina (USC)	
11.431	I	4,395	Climate and Atmospheric Research	18-3422/ PO 20000363	University of South Carolina (USC)	
11.431	I	195	Climate and Atmospheric Research	PO#2000016422	University of South Carolina (USC)	
11.459	D	-	Weather and Air Quality Research			
11.463	I	14,758	Habitat Conservation	1018	North Carolina Coastal Federation	
11.478	D	148,313	Center for Sponsored Coastal Ocean Research Coastal Ocean Program			
11.478	I	37,111	Center for Sponsored Coastal Ocean Research Coastal Ocean Program	NA288A-A	Oregon State University	
11.609	I	132,257	Measurement and Engineering Research and Standards	RJ118-G1	Georgia Institute of Technology	
11.619	I	203,411	Arrangements for Interdisciplinary Research Infrastructure	PC2.1-059	University of Delaware	
11.RD	D	511,041	U. S. Department of Commerce			A17-0434-001
11.RD	I	12,652	U. S. Department of Commerce	G001-UNC-CH-16-001	CSS-Dynamac	A17-1103-001
12.300	D	1,287,753	Basic and Applied Scientific Research			
12.300	I	18,124	Basic and Applied Scientific Research	13224200	Woods Hole Oceanographic Institution	
12.300	I	98,256	Basic and Applied Scientific Research	313-0855	Duke University	
12.300	I	1	Basic and Applied Scientific Research	UWSC6064/PO#BPO7021	University of Washington	
12.351	D	840,056	Scientific Research - Combating Weapons of Mass Destruction			
12.351	I	28,731	Scientific Research - Combating Weapons of Mass Destruction	2002708651	Johns Hopkins University	
12.360	I	44,607	Research on Chemical and Biological Defense	S-10456-01	Geneva Foundation	
12.420	D	4,518,776	Military Medical Research and Development			
12.420	I	27,920	Military Medical Research and Development	309-01	SUNY Buffalo Roswell Park Cancer Institute	
12.420	I	47,461	Military Medical Research and Development	3130817	Duke University	
12.420	I	144,598	Military Medical Research and Development	3150/ 855506	Henry M Jackson Foundation	
12.420	I	2,074	Military Medical Research and Development	3200001006-17-129/ 7	University of Kentucky Research Foundation	
12.420	I	12,535	Military Medical Research and Development	CVRE-04	Minnesota Veterans Medical Research and	
12.420	I	99,759	Military Medical Research and Development	S-10495-01	Geneva Foundation	
12.420	I	57,853	Military Medical Research and Development	S-1435-01	Geneva Foundation	
12.420	I	120,588	Military Medical Research and Development	VUMC62768	Vanderbilt University	
12.420	I	14,369	Military Medical Research and Development	W81XWH-14-2-0151	Medical College of Wisconsin	
12.420	I	69,010	Military Medical Research and Development	W81XWH1810802	Collaborations Pharmaceuticals, Inc.	
12.431	D	1,423,848	Basic Scientific Research			
12.431	I	196,579	Basic Scientific Research	574211	Trustees of the Univ. of Pennsylvania	
12.431	I	106,082	Basic Scientific Research	92689088	University of Southern California (USC)	
12.431	I	29,708	Basic Scientific Research	E256GVA026	University of California at Merced	
12.598	D	392,426	Centers for Academic Excellence			
12.750	I	204,692	Uniformed Services University Medical Research Projects	2830084	Duke University	
12.800	D	776,006	Air Force Defense Research Sciences Program			
12.800	I	359,303	Air Force Defense Research Sciences Program	010635-002	University of Cincinnati	
12.800	I	-	Air Force Defense Research Sciences Program	12-2113	University of South Carolina (USC)	
12.800	I	108,787	Air Force Defense Research Sciences Program	25-1123-0042-002	University of Nebraska at Lincoln	
12.901	D	(486)	Mathematical Sciences Grants			
12.910	D	529,653	Research and Technology Development			
12.910	I	10,510	Research and Technology Development	3130714	Duke University	
12.910	I	(303)	Research and Technology Development	49738-Z9315101	University of Maryland	
12.RD	D	2,500	U. S. Department of Defense			A14-0166-001
12.RD	D	177,509	U. S. Department of Defense			A17-0233-001
12.RD	D	625,605	U. S. Department of Defense			A17-1205-001
12.RD	D	42,950	U. S. Department of Defense			A18-0086-001
12.RD	D	112,794	U. S. Department of Defense			A18-1156-001
12.RD	D	332,041	U. S. Department of Defense			A18-1547-001
12.RD	D	47,993	U. S. Department of Defense			A19-0058-001
12.RD	D	26,042	U. S. Department of Defense			A19-1332-001
12.RD	I	153,081	U. S. Department of Defense	1-340-0216217-65155L	Research Triangle Institute (RTI Interna)	A17-1749-001
12.RD	I	36,872	U. S. Department of Defense	1130225-397261	Carnegie Mellon University (CMU)	A18-1491-001
12.RD	I	93,672	U. S. Department of Defense	14651/PO#LBN9513347	Raytheon BBN Technologies Corp.	A17-0382-001
12.RD	I	92,540	U. S. Department of Defense	3003179758	University of Michigan (UMICH)	A15-1710-001
12.RD	I	4,554	U. S. Department of Defense	3005449466 30054494	University of Michigan (UMICH)	A15-1710-005
12.RD	I	51,167	U. S. Department of Defense	313-0868	Duke University	A18-1565-001
12.RD	I	23,052	U. S. Department of Defense	3130816	Duke University	A18-1436-001
12.RD	I	73,280	U. S. Department of Defense	86956	Creare, Inc.	A17-0988-001

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12.RD	I	530	U. S. Department of Defense	N/A	Duke University	A17-1693-001
12.RD	I	33,032	U. S. Department of Defense	N/A	Henry M Jackson Foundation	A19-0969-001
12.RD	I	300,552	U. S. Department of Defense	RH512-G1	Georgia Institute of Technology Research	A17-0825-001
12.RD	I	48,672	U. S. Department of Defense	S-002752.02.BASIC.UN	Applied Research Associates, Inc.	A15-1715-001
12.RD	I	176,079	U. S. Department of Defense	S-255-003253-01-UNC	Applied Research Associates, Inc.	A17-1640-001
12.RD	I	64,453	U. S. Department of Defense	S-40037-0013-01	Geneva Foundation	A18-0822-001
13.RD	D	361,239	U.S. Central Intelligence Agency			A16-0697-001
13.RD	I	50,645	U.S. Central Intelligence Agency	202356	Florida Institute of Technology	A18-1486-001
14.267	D	(418)	Continuum of Care Program			
14.506	D	130,596	General Research and Technology Activity			
14.536	I	(925)	Research and Evaluations, Demonstrations, and Data Analysis and Utilization	N/A	Manpower Demonstration Research Corporation	
15.650	D	7,496	Research Grants (Generic)			
15.808	D	5,800	U.S. Geological Survey Research and Data Collection			
15.945	D	9,314	Cooperative Research and Training Programs - Resources of the National Park System			
16.320	I	8,657	Services for Trafficking Victims	N/A	Restore NYC	
16.525	D	98,489	Grants to Reduce Domestic Violence, Dating Violence, Sexual Assault, and Stalking on Campus			
16.560	D	302,382	National Institute of Justice Research, Evaluation, and Development Project Grants			
16.560	I	149,427	National Institute of Justice Research, Evaluation, and Development Project Grants	2016-IJ-CX-0016	Vera Institute of Justice	
16.745	I	24,677	Criminal and Juvenile Justice and Mental Health Collaboration Program	1800000195	Durham County Office of the Sheriff	
16.812	I	9,373	Second Chance Act Reentry Initiative	2018-RFK-NRC-001	Robert F. Kennedy Children's Action Corps	
19.415	I	24,816	Professional and Cultural Exchange Programs - Citizen Exchanges	004	Meridian International Center	
19.415	I	18,758	Professional and Cultural Exchange Programs - Citizen Exchanges	022-0012-0036-001	Meridian International Center	
20.109	D	178,620	Air Transportation Centers of Excellence			
20.200	D	862,382	Highway Research and Development Program			
20.200	I	202,982	Highway Research and Development Program	HR 15-63 / UNIT 905	National Academy of Sciences	
20.200	I	130,517	Highway Research and Development Program	HR 17-78 SUB0000919	National Academy of Sciences	
20.200	I	68,512	Highway Research and Development Program	HR 17-83 SUB0001094	National Academy of Sciences	
20.200	I	7,864	Highway Research and Development Program	SUB0000607/HR 20-05(National Academies	
20.205	I	2,868	Highway Planning and Construction	B038	Toole Design Group	
20.205	I	25,667	Highway Planning and Construction	N/A	HDR Engineering, Inc. , Minnesota	MNDOT Traffic Safety Evaluation
20.215	D	18,583	Highway Training and Education			
20.514	I	6,242	Public Transportation Research, Technical Assistance, and Training	TCRP B-46 / PO# SUB0	National Academy of Sciences	
20.600	I	36,491	State and Community Highway Safety	2000029054	Governor's Highway Safety Program	
20.614	I	40,517	National Highway Traffic Safety Administration (NHTSA) Discretionary Safety Grants and Cooperative Agreements	N/A	America Walks	Road to Zero Safe System Innovative Grant
20.701	D	2,257,542	University Transportation Centers Program			
20.701	I	8,854	University Transportation Centers Program	100041	Portland State University	
20.701	I	300,530	University Transportation Centers Program	UFDSP00011676	University of Florida	
20.RD	D	1	U. S. Department of Transportation			A10-0494-001
20.RD	D	136,216	U. S. Department of Transportation			A11-1251-001
20.RD	D	-	U. S. Department of Transportation			A12-0480-001
20.RD	D	203,377	U. S. Department of Transportation			A18-0228-001
20.RD	I	31,621	U. S. Department of Transportation	1500-004-016-CS	CDM Smith	A14-0240-001
20.RD	I	285,298	U. S. Department of Transportation	38541-15	Vanasse Hangen Brustlin, (VHB) Inc.	A16-1355-001
20.RD	I	471,829	U. S. Department of Transportation	38617-23	Vanasse Hangen Brustlin, (VHB) Inc.	A17-1457-001
20.RD	I	(4,520)	U. S. Department of Transportation	4562FHWA-UNC-1	Cadmus Group	A18-0498-001
20.RD	I	6,155	U. S. Department of Transportation	5480	Toole Design Group	A15-1708-001
20.RD	I	80,919	U. S. Department of Transportation	693JJ318F000339	Cadmus Group	A19-0386-001
20.RD	I	16,125	U. S. Department of Transportation	7078/ DTNH2216C00017	Toole Design Group	A17-0630-001
20.RD	I	815	U. S. Department of Transportation	ACRP A02-58/ SUB0000	National Academy of Sciences	A14-1401-001
20.RD	I	134,131	U. S. Department of Transportation	HR 17-72	National Academy of Sciences	A15-1512-001
20.RD	I	(1,804)	U. S. Department of Transportation	N/A	TransAnalytics	A16-0840-001
20.RD	I	2,118	U. S. Department of Transportation	SUB0000698 HR 17-73	National Academy of Sciences	A15-1454-001
23.011	D	186,578	Appalachian Research, Technical Assistance, and Demonstration Projects			
39.RD	I	2,785	U. S. General Services Administration	2017-120101	National Association of County and City	A18-0721-001
42.RD	I	8,954	Library of Congress	N/A	Waynesburg University	A18-0509-001
43.001	D	1,082,388	Science			
43.001	I	49,607	Science	1295 G UA448	University of California at Los Angeles	
43.001	I	117,812	Science	16-806	Arizona State University	
43.001	I	14,859	Science	3003899011	University of Michigan (UMICH)	

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43.001	I	-	Science	4973-UNCCH-NASA-E28G	Pennsylvania State University	
43.007	D	73,858	Space Operations			
43.007	I	17,292	Space Operations	WFUHS 111777	Wake Forest University School of Medicine	
43.008	D	225,642	Education			
43.008	I	15,528	Education	2015-1942-CH-03	North Carolina Space Grant Consortium (N	
43.RD	D	49,120	National Aeronautics and Space Administration			A17-1014-001
43.RD	D	28,324	National Aeronautics and Space Administration			A18-0493-001
43.RD	D	1,617	National Aeronautics and Space Administration			A18-1026-001
43.RD	D	315,275	National Aeronautics and Space Administration			A18-1142-001
43.RD	D	78,879	National Aeronautics and Space Administration			A19-0743-001
43.RD	D	911	National Aeronautics and Space Administration			A19-0987-001
43.RD	I	8,998	National Aeronautics and Space Administration	1607153	California Institute of Technology (CalIT)	A19-0540-001
43.RD	I	4,346	National Aeronautics and Space Administration	1609860	California Institute of Technology (CalIT)	A19-0538-001
43.RD	I	430	National Aeronautics and Space Administration	HST-GO-14076.009-A	Space Telescope Science Institute	A16-1023-001
43.RD	I	2,090	National Aeronautics and Space Administration	HST-GO-14912.006A	Space Telescope Science Institute	A18-0446-001
43.RD	I	3,019	National Aeronautics and Space Administration	HST-GO-15072.002-A	Space Telescope Science Institute	A18-1419-001
43.RD	I	43,012	National Aeronautics and Space Administration	HST-GO-15073.005-A	Space Telescope Science Institute	A18-0814-001
43.RD	I	45,867	National Aeronautics and Space Administration	HST-HF2-51357.001-A	Space Telescope Science Institute	A16-0620-001
45.024	D	30,000	Promotion of the Arts Grants to Organizations and Individuals			
45.149	D	103,457	Promotion of the Humanities Division of Preservation and Access			
45.160	D	57,927	Promotion of the Humanities Fellowships and Stipends			
45.160	I	48,681	Promotion of the Humanities Fellowships and Stipends	N/A	Newberry Institute for Research and Educ	
45.310	I	(322)	Grants to States	5264	North Carolina Library Services and Tech	
45.310	I	2,895	Grants to States	5271	North Carolina State Library	
45.310	I	466,825	Grants to States	NC-18-45	North Carolina State Library	
45.312	D	40,730	National Leadership Grants			
45.312	I	(483)	National Leadership Grants	18-3747	University of Texas at Arlington	
45.312	I	226,959	National Leadership Grants	LG-71-17-0016-17	Educoopia Institute	
45.312	I	7,542	National Leadership Grants	UTA16-000464	University of Texas at Austin	
45.313	D	329,029	Laura Bush 21st Century Librarian Program			
45.313	I	13,946	Laura Bush 21st Century Librarian Program	077281-15576	University of Illinois Board of Trustees	
45.RD	D	17,745	Federal Council on the Arts and the Humanities			A16-0247-001
47.041	D	1,365,677	Engineering Grants			
47.041	I	69,785	Engineering Grants	333-2272	Duke University	
47.041	I	95,452	Engineering Grants	33791	University of Delaware	
47.041	I	43,078	Engineering Grants	480103-19467	Virginia Tech	
47.049	D	8,771,826	Mathematical and Physical Sciences			
47.049	I	(737)	Mathematical and Physical Sciences	0044297(011606-1)	University of Pittsburgh	
47.049	I	11	Mathematical and Physical Sciences	12-NSF-1027	Duke University	
47.049	I	507	Mathematical and Physical Sciences	25-0521-0184-038	University of Nebraska at Lincoln	
47.049	I	201	Mathematical and Physical Sciences	N/A	University of Nebraska at Lincoln	
47.049	I	178	Mathematical and Physical Sciences	UWSC6738/PO#BP07546	University of Washington	
47.050	D	2,917,589	Geosciences			
47.050	I	14,308	Geosciences	0111-0452-000	Battelle Memorial Institute	
47.050	I	6,519	Geosciences	10010192-UNC06	Bowling Green State University	
47.050	I	(2,530)	Geosciences	1338606-010	Consortium of Universities for the Advan	
47.050	I	53,392	Geosciences	1338606-18-01	Consortium of Universities for the Advan	
47.050	I	138,106	Geosciences	S1974A-B	Oregon State University	
47.050	I	78,646	Geosciences	SUBK00010849 PO 3005	University of Michigan Ann Arbor	
47.070	D	7,273,682	Computer and Information Science and Engineering			
47.070	I	7,278	Computer and Information Science and Engineering	10000755-007	Purdue University	
47.070	I	154,891	Computer and Information Science and Engineering	110291995	University of Southern California (USC)	
47.070	I	15,051	Computer and Information Science and Engineering	14564/PO#9500013132	Raytheon BBN Technologies Corp.	
47.070	I	121,300	Computer and Information Science and Engineering	1905-206-2011806	Clemson University	
47.070	I	1	Computer and Information Science and Engineering	1939B/9500012168	Raytheon Company	
47.070	I	533	Computer and Information Science and Engineering	201260-473	Utah State University	
47.070	I	7,938	Computer and Information Science and Engineering	206FEN547	Portland State University	
47.070	I	21,184	Computer and Information Science and Engineering	479590-19467	Virginia Tech	
47.070	I	26,243	Computer and Information Science and Engineering	69159-1120129-2	SUNY at Stony Brook	
47.070	I	23,489	Computer and Information Science and Engineering	72170-1126587-2	SUNY at Stony Brook	
47.070	I	24,541	Computer and Information Science and Engineering	800004907-04UG	Florida International University	
47.070	I	21,747	Computer and Information Science and Engineering	AWD7773289-GR205877	Georgetown University	

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47.070	I	31,254	Computer and Information Science and Engineering	FP057117-SP-A	University of Chicago	
47.070	I	(580)	Computer and Information Science and Engineering	PO 9500013180	BBN Technologies	
47.070	I	1	Computer and Information Science and Engineering	RA978-G9	Georgia Institute of Technology	
47.074	D	6,882,989	Biological Sciences			
47.074	I	3,660	Biological Sciences	4500002542	Boston University	
47.074	I	108,007	Biological Sciences	479498-19467	Virginia Tech	
47.074	I	38,116	Biological Sciences	52570214	Cold Spring Harbor Laboratory	
47.074	I	119,981	Biological Sciences	52570314	Cold Spring Harbor Laboratory	
47.074	I	10,434	Biological Sciences	61223139-121390	Stanford University	
47.074	I	9,995	Biological Sciences	A00-0342-S001	University of South Dakota	
47.074	I	70,772	Biological Sciences	GA11020-142300	University of Virginia	
47.074	I	17,149	Biological Sciences	GA11374 / PO #210782	University of Virginia	
47.074	I	14,751	Biological Sciences	PO209713	Salk Institute for Biological Studies	
47.074	I	71,347	Biological Sciences	R1041544	SUNY at Buffalo	
47.075	D	1,261,871	Social, Behavioral, and Economic Sciences			
47.075	I	4,513	Social, Behavioral, and Economic Sciences	202435	University of Notre Dame	
47.075	I	7	Social, Behavioral, and Economic Sciences	5060-UNC-NSF-7666	Pennsylvania State University	
47.075	I	28,548	Social, Behavioral, and Economic Sciences	5460-UNC-NSF-8661	Pennsylvania State University	
47.075	I	16,335	Social, Behavioral, and Economic Sciences	61344013-122890	Stanford University	
47.075	I	32,743	Social, Behavioral, and Economic Sciences	N/A	American Bar Foundation	
47.076	D	4,454,712	Education and Human Resources			
47.076	I	664	Education and Human Resources	4691-UNCCH-NSF-6347	Pennsylvania State University	
47.076	I	40,622	Education and Human Resources	564K340	University of Wisconsin at Madison	
47.076	I	58,127	Education and Human Resources	BU9610-001	Associated Universities, Inc	
47.076	I	20,473	Education and Human Resources	C00044702-1	University of Missouri	
47.076	I	2,793	Education and Human Resources	N/A	Council of Graduate Schools (CGS)	
47.076	I	387	Education and Human Resources	N/A	University of San Diego	
47.079	D	661,572	Office of International Science and Engineering			
47.079	I	98,085	Office of International Science and Engineering	UP1700296-UNC1	University of South Dakota	
47.082	D	(1)	Trans-NSF Recovery Act Research Support			
47.RD	D	179,343	National Science Foundation			A17-0922-001
64.RD	D	63,425	U. S. Department of Veterans Affairs			A17-1561-001
64.RD	D	54,215	U. S. Department of Veterans Affairs			A17-1562-001
64.RD	D	22,877	U. S. Department of Veterans Affairs			A17-1563-001
64.RD	D	51,058	U. S. Department of Veterans Affairs			A17-1722-001
64.RD	D	14,727	U. S. Department of Veterans Affairs			A18-1092-001
64.RD	D	5,903	U. S. Department of Veterans Affairs			A18-1093-001
64.RD	D	10,669	U. S. Department of Veterans Affairs			A18-1094-001
66.203	D	85,066	Environmental Finance Center Grants			
66.424	D	1,886,087	Surveys, Studies, Investigations, Demonstrations, and Training Grants - Section 1442 of the Safe Drinking Water Act			
66.509	D	262,570	Science To Achieve Results (STAR) Research Program			
66.509	I	122,314	Science To Achieve Results (STAR) Research Program	00060507-01	Missouri University of Science and Techn	
66.509	I	66,701	Science To Achieve Results (STAR) Research Program	1(GG010809)	Columbia University	
66.511	D	1,080,489	Office of Research and Development Consolidated Research/Training/Fellowships			
66.514	D	15,954	Science To Achieve Results (STAR) Fellowship Program			
66.608	D	102,079	Environmental Information Exchange Network Grant Program and Related Assistance			
66.RD	D	511,247	U. S. Environmental Protection Agency			A13-0473-001
66.RD	D	249,069	U. S. Environmental Protection Agency			A15-0709-022
66.RD	D	1,832,907	U. S. Environmental Protection Agency			A15-0709-033
66.RD	D	850,099	U. S. Environmental Protection Agency			A16-1709-001
66.RD	I	-	U. S. Environmental Protection Agency	17EGPO0045	ICF Incorporated, LLC	A18-0457-001
77.006	D	(35)	U. S. Nuclear Regulatory Commission Nuclear Education Grant Program			
81.049	D	5,697,936	Office of Science Financial Assistance Program			
81.049	I	153,231	Office of Science Financial Assistance Program	25-1215-0123-010	University of Nebraska at Lincoln	
81.049	I	55,082	Office of Science Financial Assistance Program	68856	SUNY at Stony Brook	
81.049	I	25,602	Office of Science Financial Assistance Program	A18-0368-S001	University of Tennessee at Knoxville (UT	
81.049	I	1	Office of Science Financial Assistance Program	GQ10044-133949	University of Virginia	
81.087	D	100,005	Renewable Energy Research and Development			
81.087	I	85,425	Renewable Energy Research and Development	F-2019-13	University of Toledo	
81.087	I	137,650	Renewable Energy Research and Development	N/A	Energy Materials Corporation	

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81.121	I	35,219	Nuclear Energy Research, Development and Demonstration	800007088-01	Florida International University	
81.135	I	68,304	Advanced Research Projects Agency - Energy	133272-5108761	Harvard University	
81.RD	D	131,712	U. S. Department of Energy			A18-0714-001
81.RD	D	44,479	U. S. Department of Energy			A19-1207-001
81.RD	D	54,339	U. S. Department of Energy			A19-1215-001
81.RD	I	11,043	U. S. Department of Energy	4000120148	Battelle UT	A13-0941-001
81.RD	I	62,583	U. S. Department of Energy	4000139793	Battelle UT	A16-0143-001
84.007	D	613,199	Federal Supplemental Educational Opportunity Grants			
84.015	D	2,029,086	National Resource Centers Program for Foreign Language and Area Studies or Foreign Language and International Studies Program and Foreign Language and Area Studies Fellowship Program			
84.015	I	57,550	National Resource Centers Program for Foreign Language and Area Studies or Foreign Language and International Studies Program and Foreign Language and Area Studies Fellowship Program	15-ED-1054	Duke University	
84.015	I	6,229	National Resource Centers Program for Foreign Language and Area Studies or Foreign Language and International Studies Program and Foreign Language and Area Studies Fellowship Program	342-0083	Duke University	
84.022	D	101,349	Overseas Programs - Doctoral Dissertation Research Abroad			
84.027	I	6,055	Special Education Grants to States	159341	Minnesota Department of Education	
84.027	I	5,540	Special Education Grants to States	980-31ad	Macomb Intermediate School District	
84.033	D	2,228,067	Federal Work-Study Program			
84.038	D	19,315,475	Federal Perkins Loan Program Federal Capital Contributions			
84.047	D	480,672	TRIO Upward Bound			
84.063	D	21,655,678	Federal Pell Grant Program			
84.116	D	193,744	Fund for the Improvement of Postsecondary Education			
84.129	D	405,419	Rehabilitation Long-Term Training			
84.217	D	275,271	TRIO McNair Post-Baccalaureate Achievement			
84.268	D	177,239,540	Federal Direct Student Loans			
84.305	D	3,776,493	Education Research, Development and Dissemination			
84.305	I	23,640	Education Research, Development and Dissemination	15-ED-1095	Duke University	
84.305	I	77,997	Education Research, Development and Dissemination	2003942999	Johns Hopkins University	
84.305	I	198,371	Education Research, Development and Dissemination	3003143121	University of Michigan (UMICH)	
84.305	I	41,803	Education Research, Development and Dissemination	343-0811	Duke University	
84.305	I	499,875	Education Research, Development and Dissemination	43802	University of Delaware	
84.305	I	(1)	Education Research, Development and Dissemination	511135	Columbia University Teachers College	
84.305	I	2,202	Education Research, Development and Dissemination	721851-2	College of William and Mary	
84.305	I	12,136	Education Research, Development and Dissemination	9920190006	RAND Corporation	
84.305	I	153,682	Education Research, Development and Dissemination	UNIV58617 3748-0198	Vanderbilt University	
84.324	D	2,057,382	Research in Special Education			
84.324	I	235,437	Research in Special Education	FY2018-070	University of Kansas Center for Research	
84.325	D	1,245,928	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities			
84.325	I	-	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities	2789-015468	Vanderbilt University	
84.325	I	-	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities	F-2012-115	University of Toledo	
84.326	D	5,482,603	Special Education Technical Assistance and Dissemination to Improve Services and Results for Children with Disabilities			
84.326	I	19,188	Special Education Technical Assistance and Dissemination to Improve Services and Results for Children with Disabilities	224440Q	University of Oregon	
84.327	D	1,266,867	Special Education Educational Technology Media, and Materials for Individuals with Disabilities			
84.373	I	1,213,852	Special Education Technical Assistance on State Data Collection	51-001279	SRI International	
84.373	I	49,576	Special Education Technical Assistance on State Data Collection	6189-S-006	Westat, Inc.	
84.RD	I	1,244	U. S. Department of Education	40346S03620	Mathematica Policy Research, Inc.	A14-0903-001
84.RD	I	28,617	U. S. Department of Education	40346S05821	Mathematica Policy Research, Inc.	A18-1179-001
89.003	D	46,816	National Historical Publications and Records Grants			
93.004	I	9,610	Cooperative Agreements to Improve the Health Status of Minority Populations	5U01GH001003-05	Universidad del Valle de Guatemala (UVG)	
93.067	D	(16,559)	Global AIDS			
93.067	I	31,336	Global AIDS	1NU2GGH001920-01-00	Centre for Infectious Disease Research	
93.067	I	5,075	Global AIDS	5NU2GGH001920-02-00	Centre for Infectious Disease Research	
93.067	I	(1)	Global AIDS	N/A	University of Malawi College of Medicine	
93.068	D	835,118	Chronic Diseases: Research, Control, and Prevention			

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93.068	I	127,381	Chronic Diseases: Research, Control, and Prevention	6543-00-S001	Westat, Inc.	
93.073	D	1,114,449	Birth Defects and Developmental Disabilities - Prevention and Surveillance			
93.073	I	5,935	Birth Defects and Developmental Disabilities - Prevention and Surveillance	216069	Duke University	
93.077	D	1,945,995	Family Smoking Prevention and Tobacco Control Act Regulatory Research			
93.080	I	126,434	Blood Disorder Program: Prevention, Surveillance, and Research	ATHN2015001-IV-N-4	American Thrombosis and Hemostasis Netwo	
93.080	I	154,214	Blood Disorder Program: Prevention, Surveillance, and Research	ATHN2015001-IVN-3	American Thrombosis and Hemostasis Netwo	
93.083	D	487,001	Prevention of Disease, Disability, and Death through Immunization and Control of Respiratory and Related Diseases			
93.084	I	44,345	Prevention of Disease, Disability, and Death by Infectious Diseases	2036217	Duke University	
93.084	I	455	Prevention of Disease, Disability, and Death by Infectious Diseases	2036220	Duke University	
93.088	I	23,174	Advancing System Improvements for Key Issues in Women's Health	N/A	North Carolina Coalition Against Domesti	
93.088	I	30,257	Advancing System Improvements for Key Issues in Women's Health	N/A	North Carolina Coalition Against Domesti	
93.103	D	477,559	Food and Drug Administration Research			
93.103	I	145,405	Food and Drug Administration Research	19-1190-UNC-CH	University of Tennessee Health Science C	
93.103	I	37,088	Food and Drug Administration Research	N/A	Interstate Shellfish Sanitation Conference	
93.107	D	977,876	Area Health Education Centers			
93.110	D	3,276,216	Maternal and Child Health Federal Consolidated Programs			
93.110	I	15,909	Maternal and Child Health Federal Consolidated Programs	1638 G WA067	University of California at Los Angeles	
93.110	I	53,257	Maternal and Child Health Federal Consolidated Programs	4500002669	Boston University	
93.110	I	84,928	Maternal and Child Health Federal Consolidated Programs	6 H30MC24046-07-00	Hemophilia of Georgia (HOG)	
93.110	I	20,500	Maternal and Child Health Federal Consolidated Programs	A062790	Emory University (EU)	
93.110	I	142,416	Maternal and Child Health Federal Consolidated Programs	AWD7773002-GR205656	Georgetown University	
93.113	D	9,139,710	Environmental Health			
93.113	I	42,972	Environmental Health	16032-02	University of Illinois at Chicago (UIC)	
93.113	I	54,161	Environmental Health	18-M69	George Washington University	
93.113	I	29,130	Environmental Health	2-340-0215502-65237L	Research Triangle Institute (RTI Interna)	
93.113	I	98,104	Environmental Health	2003147882	Johns Hopkins University	
93.113	I	38,066	Environmental Health	2003271084	Johns Hopkins University	
93.113	I	2,749	Environmental Health	203-6060	Duke University	
93.113	I	2,942	Environmental Health	203-6631	Duke University	
93.113	I	19,599	Environmental Health	203-7118	Duke University	
93.113	I	31,340	Environmental Health	417115-G/UR FAO GR51	University of Rochester	
93.113	I	117,823	Environmental Health	4500002242	Boston University	
93.113	I	48,249	Environmental Health	93348042	University of Southern California (USC)	
93.113	I	28,971	Environmental Health	A03-0200	Duke University	
93.113	I	2,200	Environmental Health	A03-1052	Duke University	
93.113	I	1,663	Environmental Health	N/A	MatTek Corporation	
93.113	I	35,693	Environmental Health	RC108247UNC	Michigan State University	
93.113	I	22,883	Environmental Health	T778769	Emory University (EU)	
93.113	I	12,989	Environmental Health	UWSC10029/ BPO26342	University of Washington	
93.117	D	256,979	Preventive Medicine and Public Health Residency Training Program, Integrative Medicine Program, and National Center for Integrative Primary Healthcare			
93.121	D	6,493,408	Oral Diseases and Disorders Research			
93.121	I	(2,803)	Oral Diseases and Disorders Research	01060145	Beth Israel Deaconess Medical Center	
93.121	I	117,097	Oral Diseases and Disorders Research	100085200004/PO#EP01	Tufts University	
93.121	I	1,327	Oral Diseases and Disorders Research	10034028-01	University of Utah	
93.121	I	14,864	Oral Diseases and Disorders Research	10034028-01/U0001590	University of Utah	
93.121	I	38,536	Oral Diseases and Disorders Research	100852-00003	Tufts University	
93.121	I	-	Oral Diseases and Disorders Research	10829SUB	Seattle Children's Hospital	
93.121	I	153	Oral Diseases and Disorders Research	11529SUB	Seattle Children's Hospital	
93.121	I	7,306	Oral Diseases and Disorders Research	11531SUB	Seattle Children's Hospital	
93.121	I	32,882	Oral Diseases and Disorders Research	11719SUB	Seattle Children's Hospital Research Inst	
93.121	I	1,170	Oral Diseases and Disorders Research	11963SUB	Seattle Children's Hospital	
93.121	I	681	Oral Diseases and Disorders Research	2000203699 (14-050S7)	Carolinas HealthCare System	
93.121	I	74,629	Oral Diseases and Disorders Research	22000007-133	The Methodist Hospital Research Institut	
93.121	I	206,222	Oral Diseases and Disorders Research	22000010-170	The Methodist Hospital Research Institut	
93.121	I	60,409	Oral Diseases and Disorders Research	233220	Massachusetts General Hospital	
93.121	I	8,270	Oral Diseases and Disorders Research	3000301064 (14-050S7)	Carolinas HealthCare System	
93.121	I	142,813	Oral Diseases and Disorders Research	3000301333	Carolinas HealthCare System	
93.121	I	-	Oral Diseases and Disorders Research	F6934-02	New York University (NYU)	
93.121	I	40,979	Oral Diseases and Disorders Research	F8883-02	New York University (NYU)	
93.121	I	15,840	Oral Diseases and Disorders Research	K002137-00-S01	Kitware, Inc.	

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93.121	I	22,768	Oral Diseases and Disorders Research	K002197-00-S01	Kitware, Inc.	
93.121	I	33,210	Oral Diseases and Disorders Research	K002271-00-S01	Kitware, Inc.	
93.121	I	62,856	Oral Diseases and Disorders Research	N/A	Arcato Laboratories Inc.	
93.121	I	5	Oral Diseases and Disorders Research	UNC21127-2335	The Forsyth Institute	
93.127	D	252,126	Emergency Medical Services for Children			
93.135	D	2,286,342	Centers for Research and Demonstration for Health Promotion and Disease Prevention			
93.135	I	2,729	Centers for Research and Demonstration for Health Promotion and Disease Prevention	PO#3000602118/000033	University of Texas MD Anderson Cancer	
93.136	D	2,832,515	Injury Prevention and Control Research and State and Community Based Programs			
93.136	I	12,223	Injury Prevention and Control Research and State and Community Based Programs	417322G / UR FAO GR5	University of Rochester	
93.136	I	35,444	Injury Prevention and Control Research and State and Community Based Programs	417372G / UR FAO GR5	University of Rochester	
93.137	I	65,341	Community Programs to Improve Minority Health Grant Program	N/A	American College of Rheumatology Research	
93.143	D	4,606	NIEHS Superfund Hazardous Substances Basic Research and Education			
93.143	I	53,149	NIEHS Superfund Hazardous Substances Basic Research and Education	02-M1800359	Texas A and M University	
93.143	I	24,897	NIEHS Superfund Hazardous Substances Basic Research and Education	M1800359	Texas A and M University	
93.145	I	188,362	HIV-Related Training and Technical Assistance	VUMC 56921	Vanderbilt University	
93.153	I	21,919	Coordinated Services and Access to Research for Women, Infants, Children, and Youth	309-0070	Duke University	
93.153	I	7,750	Coordinated Services and Access to Research for Women, Infants, Children, and Youth	3090071	Duke University	
93.153	I	65,563	Coordinated Services and Access to Research for Women, Infants, Children, and Youth	3090081	Duke University	
93.153	I	48,783	Coordinated Services and Access to Research for Women, Infants, Children, and Youth	3090082	Duke University	
93.155	D	1,208,221	Rural Health Research Centers			
93.155	I	49,859	Rural Health Research Centers	N/A	Foundation for Health Leadership	
93.155	I	14,748	Rural Health Research Centers	S00488-01	University of Iowa	
93.155	I	11,792	Rural Health Research Centers	W001061668 PO 10019	University of Iowa	
93.172	D	9,312,267	Human Genome Research			
93.172	I	79,423	Human Genome Research	0355	Rutgers the State University of New Jersey	
93.172	I	116,002	Human Genome Research	0742 PO 951390	Rutgers the State University of New Jersey	
93.172	I	-	Human Genome Research	12-NIH-1104	Duke University Medical Center	
93.172	I	106,790	Human Genome Research	82634	SUNY at Stony Brook	
93.172	I	21,792	Human Genome Research	A030503	Duke University	
93.172	I	12,316	Human Genome Research	N/A	Cell Microsystems, Inc.	
93.172	I	35,418	Human Genome Research	N/A	Rutgers the State University of New Jersey	
93.172	I	40,769	Human Genome Research	ULRF 16-0709-03	University of Louisville	
93.173	D	1,513,629	Research Related to Deafness and Communication Disorders			
93.173	I	12,031	Research Related to Deafness and Communication Disorders	1001683015	University of Iowa	
93.173	I	24,352	Research Related to Deafness and Communication Disorders	16-009267 A00	University of Massachusetts at Amherst	
93.173	I	7,453	Research Related to Deafness and Communication Disorders	60070612	Ohio State University	
93.173	I	2,335	Research Related to Deafness and Communication Disorders	800198	Drexel University	
93.173	I	(2,176)	Research Related to Deafness and Communication Disorders	89151268	University of Southern California (USC)	
93.173	I	629	Research Related to Deafness and Communication Disorders	N/A	University of Iowa	
93.173	I	65,708	Research Related to Deafness and Communication Disorders	R01DC011038/96419-A	Boys Town National Research Hospital	
93.173	I	209,128	Research Related to Deafness and Communication Disorders	R01DC015056	Boys Town National Research Hospital	
93.173	I	67,450	Research Related to Deafness and Communication Disorders	SP0038317-PROJ001053	Northwestern University	
93.178	D	507,837	Nursing Workforce Diversity			
93.186	D	379,566	National Research Service Award in Primary Care Medicine			
93.211	D	335,937	Telehealth Programs			
93.213	D	1,948,423	Research and Training in Complementary and Integrative Health			
93.213	I	13,087	Research and Training in Complementary and Integrative Health	203-7756	Duke University	
93.213	I	23,246	Research and Training in Complementary and Integrative Health	203-7921	Duke University	
93.213	I	1	Research and Training in Complementary and Integrative Health	2035333	Duke University	
93.213	I	17,679	Research and Training in Complementary and Integrative Health	27007-3200991219	Children's Hospital of Philadelphia	
93.213	I	9,118	Research and Training in Complementary and Integrative Health	3200991219/PO 962926	Children's Hospital of Philadelphia	
93.225	D	136,936	National Research Service Awards Health Services Research Training			
93.226	D	5,191,233	Research on Healthcare Costs, Quality and Outcomes			
93.226	I	28,824	Research on Healthcare Costs, Quality and Outcomes	2003209559	Johns Hopkins University	
93.226	I	84,895	Research on Healthcare Costs, Quality and Outcomes	203-7625	Duke University	
93.226	I	186,193	Research on Healthcare Costs, Quality and Outcomes	203-7640	Duke University	

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93.226	I	2,917	Research on Healthcare Costs, Quality and Outcomes	2038055	Duke University	
93.226	I	101,488	Research on Healthcare Costs, Quality and Outcomes	R1091	Dartmouth College	
93.241	I	27,569	State Rural Hospital Flexibility Program	P004027953	University of Minnesota	
93.241	I	419,895	State Rural Hospital Flexibility Program	P007036253	University of Minnesota	
93.242	D	31,462,065	Mental Health Research Grants			
93.242	I	162,154	Mental Health Research Grants	00001130	Brown University	
93.242	I	91,191	Mental Health Research Grants	0255-3351-4609	Mount Sinai School of Medicine	
93.242	I	33,929	Mental Health Research Grants	0255-B711-4609	Mount Sinai School of Medicine	
93.242	I	47,211	Mental Health Research Grants	0744	Pacific Institute for Research and Evalu	
93.242	I	30,927	Mental Health Research Grants	087283-16478	University of Illinois at Urbana-Champai	
93.242	I	28,664	Mental Health Research Grants	1-312-0216595-65418L	Research Triangle Institute (RTI Interna	
93.242	I	13,932	Mental Health Research Grants	11-17-02 sub1	Des Moines University (DMU)	
93.242	I	12,596	Mental Health Research Grants	136025-5109031	Harvard University	
93.242	I	31,943	Mental Health Research Grants	149869.5101563.0114	Harvard University Medical School	
93.242	I	20,616	Mental Health Research Grants	149869.5101563.0214	Harvard University Medical School	
93.242	I	141,961	Mental Health Research Grants	2003027466	Johns Hopkins University	
93.242	I	10,559	Mental Health Research Grants	2004003087	Johns Hopkins University	
93.242	I	38,616	Mental Health Research Grants	2015-3230	University of California at Irvine (UCI)	
93.242	I	60,013	Mental Health Research Grants	2034233	Duke University	
93.242	I	4,559	Mental Health Research Grants	2035821	Duke University	
93.242	I	(3,730)	Mental Health Research Grants	3001008468	University of Texas MD Anderson Cancer	
93.242	I	24,416	Mental Health Research Grants	31468-01	American University (AU)	
93.242	I	17,364	Mental Health Research Grants	31503-A180065-S01	American University (AU)	
93.242	I	16,230	Mental Health Research Grants	34-5250-2001-001	University of Nebraska Medical Center	
93.242	I	40,050	Mental Health Research Grants	416351	University of Rochester	
93.242	I	6,965	Mental Health Research Grants	417356/URFAO GR5107	University of Rochester	
93.242	I	67,177	Mental Health Research Grants	574016	Trustees of the Univ. of Pennsylvania	
93.242	I	574	Mental Health Research Grants	574016/PO#4078946	Trustees of the Univ. of Pennsylvania	
93.242	I	13,329	Mental Health Research Grants	60040275 UNC	Northwestern University	
93.242	I	28,789	Mental Health Research Grants	686K221	University of Wisconsin at Madison	
93.242	I	7,448	Mental Health Research Grants	781K406	University of Wisconsin at Madison	
93.242	I	62,951	Mental Health Research Grants	8288SC	University of California at San Francisco	
93.242	I	786	Mental Health Research Grants	9451SC	University of California at San Francisco	
93.242	I	36,504	Mental Health Research Grants	A004036501	University of Minnesota	
93.242	I	35,744	Mental Health Research Grants	A006759601	University of Minnesota	
93.242	I	24,777	Mental Health Research Grants	A03-1588	Duke University	
93.242	I	22,035	Mental Health Research Grants	A030921	Duke University	
93.242	I	13,995	Mental Health Research Grants	A056711	Emory University (EU)	
93.242	I	24,215	Mental Health Research Grants	A056773	Emory University (EU)	
93.242	I	79,983	Mental Health Research Grants	A15-0085-S002	University of California at Davis (UCD)	
93.242	I	334,194	Mental Health Research Grants	GR104018 (CON-800013)	Yale University	
93.242	I	3,666	Mental Health Research Grants	IN4684136UNC	Trustees of Indiana University	
93.242	I	13,905	Mental Health Research Grants	K002617-00-S01	Kitware, Inc.	
93.242	I	42,354	Mental Health Research Grants	N/A	Blackrock Microsystems	
93.242	I	13,109	Mental Health Research Grants	N/A	Kennedy Krieger Institute	
93.242	I	184,966	Mental Health Research Grants	N/A	Virtually Better, Inc	
93.242	I	182,354	Mental Health Research Grants	N/A	Xona Microfluidics, LLC	
93.242	I	47,624	Mental Health Research Grants	SC37573-03-00 / PO15	University of Denver	
93.242	I	10,060	Mental Health Research Grants	SIS-31448-02	American University (AU)	
93.242	I	8,525	Mental Health Research Grants	T856966	Emory University (EU)	
93.242	I	3,174	Mental Health Research Grants	T931147	Emory University (EU)	
93.242	I	52,267	Mental Health Research Grants	TUL-HSC-555238-17/18	Tulane University	
93.242	I	31,901	Mental Health Research Grants	UWSC9149/ 15897	University of Washington	
93.243	D	1,413,020	Substance Abuse and Mental Health Services Projects of Regional and National Significance			
93.243	I	3,514	Substance Abuse and Mental Health Services Projects of Regional and National Significance	4600469202	South Carolina Department of Health and	
93.243	I	5,334	Substance Abuse and Mental Health Services Projects of Regional and National Significance	GR103896(CON-8000135)	Yale University	
93.243	I	-	Substance Abuse and Mental Health Services Projects of Regional and National Significance	M13A11521 (A09092)	Yale University	

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93.243	I	1,750	Substance Abuse and Mental Health Services Projects of Regional and National Significance	M17A12587(CON-800009	Yale University	
93.247	D	470,206	Advanced Nursing Education Workforce Grant Program			
93.262	D	1,472,748	Occupational Safety and Health Program			
93.262	I	50,920	Occupational Safety and Health Program	17-A1-00-006508-01/1	New York University (NYU)	
93.262	I	124,908	Occupational Safety and Health Program	4885/102815	University of Rhode Island	
93.262	I	77,153	Occupational Safety and Health Program	4885/102815 128669	University of Rhode Island	
93.264	D	834,318	Nurse Faculty Loan Program (NFLP)			
93.273	D	11,225,925	Alcohol Research Programs			
93.273	I	42,194	Alcohol Research Programs	14-NIH-1043	Duke University	
93.273	I	34,271	Alcohol Research Programs	19-22-003	Louisiana State University (LSU)	
93.273	I	43,957	Alcohol Research Programs	82381-1149018-UNC	SUNY Research Foundation	
93.273	I	29,696	Alcohol Research Programs	F217227-1 SR0000537	University of Maryland at Baltimore (UMB)	
93.279	D	9,117,396	Drug Abuse and Addiction Research Programs			
93.279	I	66,819	Drug Abuse and Addiction Research Programs	0001325422	Cedars Sinai Medical Center	
93.279	I	3	Drug Abuse and Addiction Research Programs	1-312-0213082/888-11	Research Triangle Institute (RTI Interna)	
93.279	I	44,586	Drug Abuse and Addiction Research Programs	1-312-0216046-65210	Research Triangle Institute (RTI Interna)	
93.279	I	36,153	Drug Abuse and Addiction Research Programs	1-312-0216046-65210L	Research Triangle Institute (RTI Interna)	
93.279	I	32,547	Drug Abuse and Addiction Research Programs	1-340-0216071-65060L	Research Triangle Institute (RTI Interna)	
93.279	I	45,640	Drug Abuse and Addiction Research Programs	2-312-0216046-65212L	Research Triangle Institute (RTI Interna)	
93.279	I	11,502	Drug Abuse and Addiction Research Programs	2-340-0215297-52570L	Research Triangle Institute (RTI Interna)	
93.279	I	11,919	Drug Abuse and Addiction Research Programs	2035733	Duke University	
93.279	I	518	Drug Abuse and Addiction Research Programs	2036645	Duke University	
93.279	I	49,622	Drug Abuse and Addiction Research Programs	2037179	Duke University	
93.279	I	136,407	Drug Abuse and Addiction Research Programs	210247-0418-07	Jackson Laboratory	
93.279	I	22,303	Drug Abuse and Addiction Research Programs	210247-0419	Jackson Laboratory	
93.279	I	27,037	Drug Abuse and Addiction Research Programs	210247-0420-07	Jackson Laboratory	
93.279	I	37,805	Drug Abuse and Addiction Research Programs	3-312-0216046-65211L	Research Triangle Institute (RTI Interna)	
93.279	I	120,986	Drug Abuse and Addiction Research Programs	5-27127	Scripps Research Institute	
93.279	I	15,245	Drug Abuse and Addiction Research Programs	52748 / PO #G1901309	University of Arkansas	
93.279	I	102,777	Drug Abuse and Addiction Research Programs	566032	University of Pennsylvania Board of Trust	
93.279	I	13,671	Drug Abuse and Addiction Research Programs	60061683	Ohio State University	
93.279	I	64,311	Drug Abuse and Addiction Research Programs	60065615	Ohio State University	
93.279	I	129,788	Drug Abuse and Addiction Research Programs	61878019	University of Southern California (USC)	
93.279	I	9,626	Drug Abuse and Addiction Research Programs	71017137280	Rhode Island Hospital	
93.279	I	(2)	Drug Abuse and Addiction Research Programs	710-9833-8985	Miriam Hospital	
93.279	I	18,995	Drug Abuse and Addiction Research Programs	7147060LBR	Miriam Hospital	
93.279	I	12,996	Drug Abuse and Addiction Research Programs	7147098LBR	Miriam Hospital	
93.279	I	71,237	Drug Abuse and Addiction Research Programs	A030188	Duke University	
93.279	I	48,147	Drug Abuse and Addiction Research Programs	A030195	Duke University	
93.279	I	1,205	Drug Abuse and Addiction Research Programs	A031533	Duke University	
93.279	I	3,809	Drug Abuse and Addiction Research Programs	AWD00000068 (132578)	University of Pittsburgh	
93.279	I	40,129	Drug Abuse and Addiction Research Programs	GB10546.PO #2126807	University of Virginia	
93.279	I	31,890	Drug Abuse and Addiction Research Programs	GR1026976 (CON-80001)	Yale University	
93.279	I	73,313	Drug Abuse and Addiction Research Programs	N/A	Scripps Research Institute	
93.279	I	(4,000)	Drug Abuse and Addiction Research Programs	N/A	University of Florida	
93.279	I	(308)	Drug Abuse and Addiction Research Programs	UFDSP00011926	University of Florida	
93.283	D	2,047,941	Centers for Disease Control and Prevention Investigations and Technical Assistance			
93.283	I	7,807	Centers for Disease Control and Prevention Investigations and Technical Assistance	N/A	American Thrombosis and Hemostasis Network	
93.286	D	4,246,323	Discovery and Applied Research for Technological Innovations to Improve Human Health			
93.286	I	200,351	Discovery and Applied Research for Technological Innovations to Improve Human Health	092585-17169	University of Illinois Board of Trustees	
93.286	I	31,580	Discovery and Applied Research for Technological Innovations to Improve Human Health	2-R44-EB021704-02-03	KIYATEC Inc.	
93.286	I	2,099	Discovery and Applied Research for Technological Innovations to Improve Human Health	203-5442	Duke University	
93.286	I	4,429	Discovery and Applied Research for Technological Innovations to Improve Human Health	203-6700	Duke University	
93.286	I	107,444	Discovery and Applied Research for Technological Innovations to Improve Human Health	203-7399	Duke University	

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93.286	I	8,936	Discovery and Applied Research for Technological Innovations to Improve Human Health	A03-0631	Duke University	
93.286	I	70,113	Discovery and Applied Research for Technological Innovations to Improve Human Health	FY2017-040	University of Kansas Center for Research	
93.286	I	262,869	Discovery and Applied Research for Technological Innovations to Improve Human Health	K001687-00-S01	Kitware, Inc.	
93.286	I	6,770	Discovery and Applied Research for Technological Innovations to Improve Human Health	K001837-00-S01	Kitware, Inc.	
93.286	I	60,937	Discovery and Applied Research for Technological Innovations to Improve Human Health	RFA-EB-16-001	IVY.AI, INC.	
93.286	I	6,655	Discovery and Applied Research for Technological Innovations to Improve Human Health	SP0039578-PROJ001187	Northwestern University	
93.286	I	245,982	Discovery and Applied Research for Technological Innovations to Improve Human Health	SUB00001509	University of Georgia	
93.286	I	16,020	Discovery and Applied Research for Technological Innovations to Improve Human Health	UNIV59046	Vanderbilt University	
93.286	I	45,276	Discovery and Applied Research for Technological Innovations to Improve Human Health	VUMC 60090	Vanderbilt University	
93.300	D	458,704	National Center for Health Workforce Analysis			
93.300	I	24,950	National Center for Health Workforce Analysis	18-4	SUNY Research Foundation	
93.300	I	33,421	National Center for Health Workforce Analysis	3004232572	University of Michigan (UMICH)	
93.307	D	4,223,788	Minority Health and Health Disparities Research			
93.307	I	29,927	Minority Health and Health Disparities Research	088353-16582	University of Illinois at Urbana-Champaign	
93.307	I	21,942	Minority Health and Health Disparities Research	140214SEA043-27	Meharry Medical College	
93.307	I	189,280	Minority Health and Health Disparities Research	16-2910/PO2000005316	University of South Carolina (USC)	
93.307	I	10,916	Minority Health and Health Disparities Research	193405399	University of Wisconsin at Milwaukee	
93.307	I	13,489	Minority Health and Health Disparities Research	3002987899	University of Michigan (UMICH)	
93.307	I	43,317	Minority Health and Health Disparities Research	31106A/PO#P0650914	Albert Einstein College of Medicine Inc	
93.307	I	44,748	Minority Health and Health Disparities Research	52211-UNC	University of Arkansas	
93.307	I	23,243	Minority Health and Health Disparities Research	573518	Trustees of the Univ. of Pennsylvania	
93.307	I	87,056	Minority Health and Health Disparities Research	575095	Trustees of the Univ. of Pennsylvania	
93.307	I	6,944	Minority Health and Health Disparities Research	576151	Trustees of the Univ. of Pennsylvania	
93.307	I	138,272	Minority Health and Health Disparities Research	6408-1117-00-B	University of South Florida Tampa	
93.307	I	41,008	Minority Health and Health Disparities Research	M17A12612(CON-800006)	Yale University	
93.307	I	11,705	Minority Health and Health Disparities Research	N/A	Albert Einstein College of Medicine Inc	
93.307	I	12,750	Minority Health and Health Disparities Research	SPC-000745/SPC-00044	University of Miami	
93.310	D	12,816,578	Trans-NIH Research Support			
93.310	I	2,912	Trans-NIH Research Support	0255-2292-4609	Mount Sinai School of Medicine	
93.310	I	88,899	Trans-NIH Research Support	1-312-0215007-52418L	Research Triangle Institute (RTI Interna)	
93.310	I	374,350	Trans-NIH Research Support	1-340-0215040-52885L	Research Triangle Institute (RTI Interna)	
93.310	I	26,928	Trans-NIH Research Support	111593808	University of California at San Diego	
93.310	I	60,086	Trans-NIH Research Support	16-A0-00-006256-01	NYU Medical Center	
93.310	I	62,997	Trans-NIH Research Support	18-330	Arizona State University	
93.310	I	179,009	Trans-NIH Research Support	203-7936	Duke University	
93.310	I	35,379	Trans-NIH Research Support	2037591	Duke University	
93.310	I	1,620	Trans-NIH Research Support	3005022571	University of Michigan (UMICH)	
93.310	I	(486)	Trans-NIH Research Support	68-1096429	California Institute of Technology (CalT)	
93.310	I	18,664	Trans-NIH Research Support	800110	Drexel University	
93.310	I	90,796	Trans-NIH Research Support	800175	Drexel University	
93.310	I	3,380	Trans-NIH Research Support	9525	Women and Infants Hospital of Rhode Island	
93.310	I	16,886	Trans-NIH Research Support	A030021	Duke University	
93.310	I	135,534	Trans-NIH Research Support	A19-0026-S002	University of South Dakota	
93.310	I	152,236	Trans-NIH Research Support	F0018-03	New York University (NYU)	
93.310	I	557,631	Trans-NIH Research Support	F0019-03	New York University (NYU)	
93.310	I	53,479	Trans-NIH Research Support	R902	Dartmouth College	
93.310	I	80,966	Trans-NIH Research Support	S386941	California Institute of Technology (CalT)	
93.310	I	3,024	Trans-NIH Research Support	SUBK00010317/ 300519	University of Michigan (UMICH)	
93.318	I	61,241	Protecting and Improving Health Globally: Building and Strengthening Public Health Impact, Systems, Capacity and Security	2004034755	Johns Hopkins Bloomberg School of Public	
93.330	D	3,583	Leadership in Public Health Social Work Education Grant Program			
93.342	D	3,722,466	Health Professions Student Loans, Including Primary Care Loans/Loans for Disadvantaged Students			
93.350	D	14,548,971	National Center for Advancing Translational Sciences			

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93.350	I	4,647	National Center for Advancing Translational Sciences	0055353 (129324-30)	University of Pittsburgh	
93.350	I	38,863	National Center for Advancing Translational Sciences	0055353 (130910-30)	University of Pittsburgh	
93.350	I	105,369	National Center for Advancing Translational Sciences	1-312-0215481-52686L	Research Triangle Institute (RTI Interna)	
93.350	I	253,573	National Center for Advancing Translational Sciences	1R44TR001916-02/ PA	Luceome Biotechnologies, L.L.C.	
93.350	I	(334)	National Center for Advancing Translational Sciences	203-7551	Duke University	
93.350	I	29,978	National Center for Advancing Translational Sciences	203-7877	Duke University	
93.350	I	231,090	National Center for Advancing Translational Sciences	A039101	Duke University	
93.350	I	70,945	National Center for Advancing Translational Sciences	MUSC17-042-8C828	Medical University of South Carolina (MU)	
93.350	I	2,210	National Center for Advancing Translational Sciences	MUSC19-016-8C828	Medical University of South Carolina (MU)	
93.350	I	15,949	National Center for Advancing Translational Sciences	N/A	Falcon Therapeutics, Inc.	
93.350	I	20,168	National Center for Advancing Translational Sciences	N/A	Tufts-New England Medical Center	
93.350	I	1,722	National Center for Advancing Translational Sciences	N/A	University of Pittsburgh	
93.350	I	161,377	National Center for Advancing Translational Sciences	VUMC65891	Vanderbilt University	
93.351	D	2,643,139	Research Infrastructure Programs			
93.351	I	9,640	Research Infrastructure Programs	210265	Jackson Laboratory	
93.353	D	500,945	21st Century Cures Act - Beau Biden Cancer Moonshot			
93.353	I	156,904	21st Century Cures Act - Beau Biden Cancer Moonshot	1001837485	University of Iowa	
93.353	I	73,663	21st Century Cures Act - Beau Biden Cancer Moonshot	30004929-01	Children's Research Institute	
93.359	D	250,457	Nurse Education, Practice Quality and Retention Grants			
93.359	I	209,457	Nurse Education, Practice Quality and Retention Grants	1618NEPQR	Piedmont Health, Inc.	
93.361	D	2,685,001	Nursing Research			
93.361	I	107	Nursing Research	14-1995	Keona Health, Inc.	
93.361	I	76,665	Nursing Research	19-3795 PO#20000431	University of South Carolina (USC)	
93.361	I	747	Nursing Research	2035898	Duke University	
93.361	I	986	Nursing Research	214931	Duke University	
93.361	I	51,612	Nursing Research	30003061-01	Children's Research Institute	
93.361	I	562	Nursing Research	30003061-01-07	Children's Research Institute	
93.361	I	42,408	Nursing Research	60059901	Ohio State University	
93.361	I	10,848	Nursing Research	60067618	Ohio State University	
93.361	I	92,106	Nursing Research	A046516	Emory University (EU)	
93.361	I	124,801	Nursing Research	FP00006641-SA001	Virginia Commonwealth University (VCU)	
93.361	I	76,264	Nursing Research	FY18.105.017	University of Colorado Denver	
93.364	D	-	Nursing Student Loans			
93.393	D	12,749,150	Cancer Cause and Prevention Research			
93.393	I	35,428	Cancer Cause and Prevention Research	01027406	Beth Israel Deaconess Medical Center	
93.393	I	12,206	Cancer Cause and Prevention Research	0255-6601-4609	Mount Sinai School of Medicine	
93.393	I	153,013	Cancer Cause and Prevention Research	1-312-0215410-52694L	Research Triangle Institute (RTI Interna)	
93.393	I	12,717	Cancer Cause and Prevention Research	10252sc	University of California Regents	
93.393	I	38,681	Cancer Cause and Prevention Research	130544-G003764	Washington State University	
93.393	I	(2,734)	Cancer Cause and Prevention Research	201603696-08	University of California at Davis (UCD)	
93.393	I	297,972	Cancer Cause and Prevention Research	201603696-08/ A18-01	University of California at Davis (UCD)	
93.393	I	5,753	Cancer Cause and Prevention Research	2035764	Duke University	
93.393	I	16,159	Cancer Cause and Prevention Research	3004700015	University of Michigan (UMICH)	
93.393	I	338,936	Cancer Cause and Prevention Research	3RCQ4	University of New Mexico at Albuquerque	
93.393	I	35,435	Cancer Cause and Prevention Research	411518-GR412884-UNC	Georgetown University	
93.393	I	7,037	Cancer Cause and Prevention Research	565706	Trustees of the Univ. of Pennsylvania	
93.393	I	7,892	Cancer Cause and Prevention Research	565706/PO3998528	Trustees of the Univ. of Pennsylvania	
93.393	I	18,540	Cancer Cause and Prevention Research	A030293	Duke University	
93.393	I	15,499	Cancer Cause and Prevention Research	A031031	Duke University	
93.393	I	65,076	Cancer Cause and Prevention Research	AH000632	Harvard Pilgrim Health Care	
93.393	I	22,561	Cancer Cause and Prevention Research	BD525155	Memorial Sloan-Kettering Cancer Center	
93.393	I	350,697	Cancer Cause and Prevention Research	CRA SCR 2018-28	International Agency for Research on Can	
93.393	I	(5,795)	Cancer Cause and Prevention Research	N/A	BD Technologies	
93.393	I	1,367	Cancer Cause and Prevention Research	N/A	Triangle Biotechnology, Inc.	
93.393	I	54,300	Cancer Cause and Prevention Research	N/A	Triangle Biotechnology, Inc.	
93.393	I	77,675	Cancer Cause and Prevention Research	PO #3005117496	University of Michigan (UMICH)	
93.393	I	1,437	Cancer Cause and Prevention Research	PO 1568 G NA643	EMMES Corporation	
93.393	I	23,664	Cancer Cause and Prevention Research	SCR/17/02	International Agency for Research on Can	
93.393	I	(13)	Cancer Cause and Prevention Research	T020036	Emory University (EU)	
93.393	I	889	Cancer Cause and Prevention Research	VUMC 58928	Vanderbilt University Medical Center	
93.393	I	302,664	Cancer Cause and Prevention Research	VUMC58792	Vanderbilt University Medical Center	
93.393	I	10,373	Cancer Cause and Prevention Research	VUMC58928	Vanderbilt University Medical Center	

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93.394	D	3,452,443	Cancer Detection and Diagnosis Research			
93.394	I	24,063	Cancer Detection and Diagnosis Research	0000940715	Fred Hutchinson Cancer Research Center	
93.394	I	1,249	Cancer Detection and Diagnosis Research	203-5616	Duke University	
93.394	I	133,693	Cancer Detection and Diagnosis Research	203-6050	Duke University	
93.394	I	1	Cancer Detection and Diagnosis Research	3001861664	University of Michigan (UMICH)	
93.394	I	34,913	Cancer Detection and Diagnosis Research	3004034932	University of Michigan (UMICH)	
93.394	I	(5,164)	Cancer Detection and Diagnosis Research	41950-A	City University of New York (CUNY)	
93.394	I	32,712	Cancer Detection and Diagnosis Research	7000000410	Baylor College of Medicine	
93.394	I	53,085	Cancer Detection and Diagnosis Research	A03-0637	Duke University	
93.394	I	47,717	Cancer Detection and Diagnosis Research	CM00001074	City University of New York (CUNY)	
93.394	I	2,062	Cancer Detection and Diagnosis Research	CRA NO GEP /16/07	International Agency for Research on Can	
93.394	I	8,443	Cancer Detection and Diagnosis Research	CRA No. GEP/16/07	International Agency for Research on Can	
93.394	I	(2,038)	Cancer Detection and Diagnosis Research	K000646-00-S01	Kitware, Inc.	
93.394	I	4,446	Cancer Detection and Diagnosis Research	K002546-00-S01	Kitware, Inc.	
93.394	I	7,650	Cancer Detection and Diagnosis Research	N/A	Asystbio Laboratories LLC	
93.394	I	92,030	Cancer Detection and Diagnosis Research	N/A	BioFluidica Microtechnologies LLC	
93.394	I	17,754	Cancer Detection and Diagnosis Research	N/A	City University of New York (CUNY)	
93.394	I	128	Cancer Detection and Diagnosis Research	N/A	ImCare Biotech, LLC	
93.394	I	51,477	Cancer Detection and Diagnosis Research	PA-16-302	Sonovol, LLC	
93.394	I	31,436	Cancer Detection and Diagnosis Research	R1109660	SUNY at Buffalo	
93.394	I	3,639	Cancer Detection and Diagnosis Research	SBIRSub1	Capio Biosciences, Inc.	
93.394	I	84,144	Cancer Detection and Diagnosis Research	SUB0000166	Princeton University	
93.394	I	6,891	Cancer Detection and Diagnosis Research	THE-242677/PO #66089	Mayo Clinic in Jacksonville	
93.395	D	16,207,866	Cancer Treatment Research			
93.395	I	292,398	Cancer Treatment Research	0255-3281-4609	Mount Sinai School of Medicine	
93.395	I	64,399	Cancer Treatment Research	1568 G TA857	University of California at Los Angeles	
93.395	I	29,947	Cancer Treatment Research	1568 G TA857 4-44134	University of California at Los Angeles	
93.395	I	36,306	Cancer Treatment Research	1568 G UA023	University of California at Los Angeles	
93.395	I	96,379	Cancer Treatment Research	1568 G UA696	University of California at Los Angeles	
93.395	I	29,891	Cancer Treatment Research	2035177	Duke University	
93.395	I	(29,341)	Cancer Treatment Research	2035335	Duke University	
93.395	I	(5,265)	Cancer Treatment Research	2035883	Duke University	
93.395	I	(18,269)	Cancer Treatment Research	2035886	Duke University	
93.395	I	505,231	Cancer Treatment Research	2036079/ 2036088	Duke University	
93.395	I	12,373	Cancer Treatment Research	2037159	Duke University	
93.395	I	30,274	Cancer Treatment Research	232880	Massachusetts General Hospital	
93.395	I	38,952	Cancer Treatment Research	311392 / P0705740	Albert Einstein College of Medicine Inc	
93.395	I	16,913	Cancer Treatment Research	5UG1CA189828-05-UNC1	ECOG-ACRIN Medical Research Foundation	
93.395	I	1,771	Cancer Treatment Research	63981984	Mayo Clinic	
93.395	I	5,627	Cancer Treatment Research	65507744 UNC 194321	Mayo Clinic	
93.395	I	1,057	Cancer Treatment Research	7000000573	Baylor College of Medicine	
93.395	I	12,952	Cancer Treatment Research	7000000787	Baylor University College of Medicine	
93.395	I	53,379	Cancer Treatment Research	BD524466	Memorial Sloan-Kettering Cancer Center	
93.395	I	122,682	Cancer Treatment Research	CHU-194321/PO #66118	Mayo Clinic	
93.395	I	26,933	Cancer Treatment Research	CRA/SCR/2017/18	International Agency for Research on Can	
93.395	I	20,654	Cancer Treatment Research	F218776-1 / PO SR000	University of Maryland at Baltimore (UMB)	
93.395	I	5,171	Cancer Treatment Research	FY2016-005	University of Kansas Center for Research	
93.395	I	53,097	Cancer Treatment Research	FY2016-020-M4	University of Kansas Center for Research	
93.395	I	31,163	Cancer Treatment Research	N/A	Children's Hospital of Philadelphia	
93.395	I	50,023	Cancer Treatment Research	N/A	Duke University	
93.395	I	52,684	Cancer Treatment Research	N/A	Reveris Therapeutics	
93.395	I	(200)	Cancer Treatment Research	N/A	University of Chicago Cancer and Leukemia	
93.395	I	29,998	Cancer Treatment Research	N/A	Yeshiva University	
93.395	I	3,515	Cancer Treatment Research	NOR-194321	Mayo Clinic	
93.395	I	-	Cancer Treatment Research	PD300785-SC105154	Virginia Commonwealth University (VCU)	
93.395	I	(43)	Cancer Treatment Research	UCH-194321/PO6557865	Mayo Clinic in Rochester	
93.395	I	59,727	Cancer Treatment Research	UNC-194321-04 / 6618	Mayo Clinic	
93.396	D	8,073,399	Cancer Biology Research			
93.396	I	30,485	Cancer Biology Research	00003043/ PO 3001135	University of Texas MD Anderson Cancer	
93.396	I	40,665	Cancer Biology Research	009680-002	University of Cincinnati	
93.396	I	56,441	Cancer Biology Research	11000823-020	Purdue University	
93.396	I	50,012	Cancer Biology Research	3001135426	University of Texas MD Anderson Cancer	

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93.396	I	(2)	Cancer Biology Research	5600599560	Baylor University College of Medicine	
93.396	I	110,634	Cancer Biology Research	647K662	University of Wisconsin at Madison	
93.396	I	34,372	Cancer Biology Research	66183959/ 109643150	University of Southern California (USC)	
93.396	I	(185)	Cancer Biology Research	98104520	University of Southern California (USC)	
93.396	I	20,470	Cancer Biology Research	B45206UNC	Henry Ford Health System	
93.396	I	5,679	Cancer Biology Research	F-2016-27	University of Toledo	
93.396	I	117,444	Cancer Biology Research	N/A	EpiCypher, Inc.	
93.396	I	11,760	Cancer Biology Research	N/A	Panacise Bio, Inc.	
93.396	I	10,173	Cancer Biology Research	P006781501	University of Minnesota Board of Regents	
93.396	I	54,082	Cancer Biology Research	VUMC65676	Vanderbilt University Medical Center	
93.396	I	4,421	Cancer Biology Research	WFUHS 116219	Wake Forest University Health Sciences	
93.397	D	12,070,415	Cancer Centers Support Grants			
93.397	I	75,689	Cancer Centers Support Grants	IN4689857UNC/2058940	Indiana University at Indianapolis	
93.397	I	272,359	Cancer Centers Support Grants	IN4689880UNC	Indiana University at Indianapolis	
93.397	I	63,906	Cancer Centers Support Grants	MUSC15-085	Medical University of South Carolina (MU)	
93.397	I	(689)	Cancer Centers Support Grants	RESS12488	Case Western Reserve University	
93.397	I	39,252	Cancer Centers Support Grants	RESS13129	Case Western Reserve University	
93.397	I	632	Cancer Centers Support Grants	WU-18-76 2934358E	Washington University in St. Louis School	
93.397	I	415	Cancer Centers Support Grants	WU-18-80 2934422E	Washington University in St. Louis School	
93.397	I	88,261	Cancer Centers Support Grants	WU-19-113 / PO293431	Washington University in St. Louis School	
93.397	I	7,907	Cancer Centers Support Grants	WU-19-40/ PO 2933891	Washington University in St. Louis School	
93.398	D	5,322,820	Cancer Research Manpower			
93.399	I	49,488	Cancer Control	TFED29-117	National Surgical Adjuvant Breast and Bo	
93.421	I	2,870	Strengthening Public Health Systems and Services through National Partnerships to Improve and Protect the Nation's Health	N/A	New Jersey YMCA State Alliance	
93.421	I	624	Strengthening Public Health Systems and Services through National Partnerships to Improve and Protect the Nation's Health	N/A	The Nemours Foundation	
93.424	I	13,556	NON-ACA/PPHF-Building Capacity of the Public Health System to Improve Population Health through National Nonprofit Organizations	1762018/ 210-1401-5	National Association of Chronic Disease	
93.424	I	24,000	NON-ACA/PPHF-Building Capacity of the Public Health System to Improve Population Health through National Nonprofit Organizations	2952018	National Association of Chronic Disease	
93.424	I	6,584	NON-ACA/PPHF-Building Capacity of the Public Health System to Improve Population Health through National Nonprofit Organizations	N/A	Association of University Centers on Dis	
93.433	D	112,291	ACL National Institute on Disability, Independent Living, and Rehabilitation Research			
93.439	I	4,147	State Physical Activity and Nutrition (SPAN)	2019-0182	Connecticut Department of Public Health	
93.505	I	2	Affordable Care Act (ACA) Maternal, Infant, and Early Childhood Home Visiting Program	14-07-5-01-078-0	Montana State Government	
93.590	I	90,096	Community-Based Child Abuse Prevention Grants	18EHZC	State of New Jersey Department of Children	
93.600	D	20,299	Head Start			
93.600	I	427,616	Head Start	201709277N	Zero to Three	
93.600	I	485,819	Head Start	2018090432	Zero to Three	
93.600	I	-	Head Start	719100-UNC	American Academy of Pediatrics (AAP)	
93.602	I	35,797	Assets for Independence Demonstration Program	13-312-0214780-65076	Research Triangle Institute (RTI Interna)	
93.610	D	79,466	Health Care Innovation Awards (HCIA)			
93.610	I	18,239	Health Care Innovation Awards (HCIA)	N/A	Community Care of North Carolina (CCNC)	
93.632	D	567,566	University Centers for Excellence in Developmental Disabilities Education, Research, and Service			
93.638	I	58,469	ACA-Transforming Clinical Practice Initiative: Practice Transformation Networks (PTNs)	N/A	Community Care of North Carolina (CCNC)	
93.652	I	167,804	Adoption Opportunities	N/A	Spaulding for Children, National Research	
93.670	D	271,288	Child Abuse and Neglect Discretionary Activities			
93.701	D	3	Trans-NIH Recovery Act Research Support			
93.701	I	51,855	Trans-NIH Recovery Act Research Support	N/A	Brain Plasticity, Inc.	
93.732	D	613,568	Mental and Behavioral Health Education and Training Grants			
93.742	I	16,662	PPHF: Early Childcare and Education Obesity Prevention Program - Obesity Prevention in Young Children - financed solely by Public Prevention and Health Funds	N/A	Alabama Partnership for Children	
93.742	I	18,092	PPHF: Early Childcare and Education Obesity Prevention Program - Obesity Prevention in Young Children - financed solely by Public Prevention and Health Funds	N/A	Early Learning Indiana	
93.742	I	18,834	PPHF: Early Childcare and Education Obesity Prevention Program - Obesity Prevention in Young Children - financed solely by Public Prevention and Health Funds	N/A	Illinois Network of Child Care Resource	

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93.742	I	18,830	PPHF: Early Childcare and Education Obesity Prevention Program - Obesity Prevention in Young Children - financed solely by Public Prevention and Health Funds	N/A	Virginia Early Childhood Foundation (VEC)	
93.757	I	2,517	State and Local Public Health Actions to Prevent Obesity, Diabetes, Heart Disease and Stroke (PPHF)	5888CD40	Iowa Department of Public Health (IDPH)	
93.757	I	2,198	State and Local Public Health Actions to Prevent Obesity, Diabetes, Heart Disease and Stroke (PPHF)	709P632546	Virginia Department of Health	
93.758	I	117,146	Preventive Health and Health Services Block Grant funded solely with Prevention and Public Health Funds (PPHF)	2018-0005 17DPH0005	Connecticut Department of Public Health	
93.778	I	51,749	Medical Assistance Program	1-312-0215922-65095L	Research Triangle Institute (RTI Interna)	
93.779	D	38,117	Centers for Medicare and Medicaid Services (CMS) Research, Demonstrations and Evaluations			
93.809	I	36,090	National Organizations for Chronic Disease Prevention and Health Promotion	1512019	National Association of Chronic Disease	
93.809	I	13,520	National Organizations for Chronic Disease Prevention and Health Promotion	3002018	National Association of Chronic Disease	
93.809	I	15,935	National Organizations for Chronic Disease Prevention and Health Promotion	3012018	National Association of Chronic Disease	
93.816	I	18,000	Preventing Heart Attacks and Strokes in High Need Areas	INDC-660	Mississippi Department of Health	
93.823	I	(600)	Ebola Support: Transmission and Prevention Control, Public Health Preparedness, Vaccine Development	2032402	Duke University	
93.837	D	22,490,435	Cardiovascular Diseases Research			
93.837	I	27,837	Cardiovascular Diseases Research	00000728	Brown University	
93.837	I	142,315	Cardiovascular Diseases Research	000503570-008	University of Alabama at Birmingham	
93.837	I	71,871	Cardiovascular Diseases Research	000511972-001	University of Alabama at Birmingham	
93.837	I	256,094	Cardiovascular Diseases Research	000511972.001	University of Alabama at Birmingham	
93.837	I	104,850	Cardiovascular Diseases Research	0041597 (130470-1)	University of Pittsburgh	
93.837	I	727	Cardiovascular Diseases Research	109135	Brigham and Women's Hospital	
93.837	I	9,864	Cardiovascular Diseases Research	114117	Brigham and Women's Hospital	
93.837	I	13,143	Cardiovascular Diseases Research	2003634963	Johns Hopkins University	
93.837	I	54,204	Cardiovascular Diseases Research	2034138	Duke University	
93.837	I	18,809	Cardiovascular Diseases Research	2036763	Duke University	
93.837	I	135,932	Cardiovascular Diseases Research	2037478	Duke University	
93.837	I	55,107	Cardiovascular Diseases Research	225708	Massachusetts General Hospital	
93.837	I	15,765	Cardiovascular Diseases Research	302-0442	Duke University Medical Center	
93.837	I	27,358	Cardiovascular Diseases Research	31105A/ PO648559	Albert Einstein College of Medicine Inc	
93.837	I	81,290	Cardiovascular Diseases Research	431965-19467	Virginia Tech	
93.837	I	23,595	Cardiovascular Diseases Research	4500002806	Boston University Board of Trustees	
93.837	I	(10)	Cardiovascular Diseases Research	45240550	University of Southern California (USC)	
93.837	I	456	Cardiovascular Diseases Research	5001191-ROSAMOND	Brown University	
93.837	I	31,957	Cardiovascular Diseases Research	5001381-ROSAMOND	Kent Hospital	
93.837	I	10,434	Cardiovascular Diseases Research	710-7147089	Miriam Hospital	
93.837	I	163,431	Cardiovascular Diseases Research	710-9144	Miriam Hospital	
93.837	I	11,194	Cardiovascular Diseases Research	A03-0237	Duke University	
93.837	I	27,606	Cardiovascular Diseases Research	A030619	Duke University	
93.837	I	107	Cardiovascular Diseases Research	A059837/T848176	Emory University (EU)	
93.837	I	26,230	Cardiovascular Diseases Research	FY17.878.001	University of Colorado Denver	
93.837	I	26,391	Cardiovascular Diseases Research	N/A	Albert Einstein College of Medicine Inc	
93.837	I	2,479	Cardiovascular Diseases Research	N/A	Brigham and Women's Hospital	
93.837	I	3,278	Cardiovascular Diseases Research	N/A	Duke University	
93.837	I	1,360	Cardiovascular Diseases Research	N/A	HealthCore, Inc.	
93.837	I	18	Cardiovascular Diseases Research	N/A	Miriam Hospital	
93.837	I	26,827	Cardiovascular Diseases Research	N004944403	University of Minnesota	
93.837	I	34,458	Cardiovascular Diseases Research	N006522501	University of Minnesota Board of Regents	
93.837	I	22,046	Cardiovascular Diseases Research	P005875703	University of Minnesota	
93.837	I	10,896	Cardiovascular Diseases Research	S00200-01	University of Iowa	
93.837	I	(526)	Cardiovascular Diseases Research	UWSC10266	University of Washington	
93.837	I	95,792	Cardiovascular Diseases Research	WFUHS 115749	Wake Forest University Health Sciences	
93.837	I	(1)	Cardiovascular Diseases Research	WU-14-241	Washington University in Saint Louis	
93.837	I	18,773	Cardiovascular Diseases Research	WU-17-320/PO2928659C	Washington University in Saint Louis	
93.838	D	12,582,791	Lung Diseases Research			
93.838	I	60,811	Lung Diseases Research	000503442-004	University of Alabama	
93.838	I	(1,087)	Lung Diseases Research	0059236 (130132-2)	University of Pittsburgh	
93.838	I	1,329,422	Lung Diseases Research	10454	University of California at San Francisco	
93.838	I	15,692	Lung Diseases Research	10454sc	University of California at San Francisco	

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93.838	I	232,334	Lung Diseases Research	10820SC	University of California at San Francisco	
93.838	I	16,429	Lung Diseases Research	108792850	University of California at San Diego (U	
93.838	I	10,469	Lung Diseases Research	11012SUB	Seattle Children's Hospital Research Inst	
93.838	I	-	Lung Diseases Research	11279SUB	Seattle Children's Hospital Research Inst	
93.838	I	29,385	Lung Diseases Research	11663SUB	Seattle Children's Hospital Research Inst	
93.838	I	17,961	Lung Diseases Research	2-AF-27	George Washington University	
93.838	I	243	Lung Diseases Research	2002772677	Johns Hopkins University	
93.838	I	1,003	Lung Diseases Research	2032351	Duke University Medical Center	
93.838	I	3,389	Lung Diseases Research	2831743-240026	Duke University	
93.838	I	24	Lung Diseases Research	3210515144	Hospital for Sick Children (SickKids)	
93.838	I	115,465	Lung Diseases Research	463942	University of Arizona	
93.838	I	14,656	Lung Diseases Research	464151	University of Arizona	
93.838	I	1,069	Lung Diseases Research	63244	Vanderbilt University Medical Center	
93.838	I	121,796	Lung Diseases Research	720505	Proteogenomics Research Institute for Sy	
93.838	I	49,979	Lung Diseases Research	N/A	Eldec Pharmaceuticals, Inc	
93.838	I	42,204	Lung Diseases Research	N/A	University of California at San Francisco	
93.838	I	14,505	Lung Diseases Research	N/A	University of California at San Francisco	
93.838	I	(7,013)	Lung Diseases Research	RES511740	Case Western Reserve University	
93.838	I	11,582	Lung Diseases Research	RES512136	Case Western Reserve University	
93.838	I	5,322	Lung Diseases Research	S00137-01	University of Iowa	
93.838	I	65,038	Lung Diseases Research	WFUHS 115449	Wake Forest University Health Sciences	
93.838	I	46,399	Lung Diseases Research	ZAS000D0	University of Kansas Medical Center	
93.839	D	6,795,071	Blood Diseases and Resources Research			
93.839	I	38,244	Blood Diseases and Resources Research	0014251B	University of Texas at Houston Health	
93.839	I	15,423	Blood Diseases and Resources Research	0054669 (131801-7)	University of Pittsburgh	
93.839	I	4,197	Blood Diseases and Resources Research	0155-81148	BloodCenter of Wisconsin	
93.839	I	8,761	Blood Diseases and Resources Research	07416-3	Minneapolis Medical Research Foundation	
93.839	I	61,868	Blood Diseases and Resources Research	11575SUB	Seattle Children's Hospital Research Inst	
93.839	I	3,667	Blood Diseases and Resources Research	15-13-121/R01HL11855	Louisiana State University (LSU)	
93.839	I	127,012	Blood Diseases and Resources Research	15024	Minneapolis Medical Research Foundation	
93.839	I	21,087	Blood Diseases and Resources Research	2034835	Duke University Medical Center	
93.839	I	90,551	Blood Diseases and Resources Research	24-6230-0191-003	University of Nebraska at Lincoln	
93.839	I	7,795	Blood Diseases and Resources Research	2831742-240027	Duke University	
93.839	I	118,322	Blood Diseases and Resources Research	304035	Cincinnati Children's Hospital Medical Ce	
93.839	I	227,590	Blood Diseases and Resources Research	417288G/UR FAO GR510	University of Rochester Medical Center	
93.839	I	10,331	Blood Diseases and Resources Research	571866	Trustees of the Univ. of Pennsylvania	
93.839	I	171,670	Blood Diseases and Resources Research	574541/PO#4140938	Trustees of the Univ. of Pennsylvania	
93.839	I	12,894	Blood Diseases and Resources Research	60066854	Ohio State University	
93.839	I	1,408	Blood Diseases and Resources Research	824-UNC-2017	Bloodworks Northwest	
93.839	I	144,738	Blood Diseases and Resources Research	824-UNC-2018	Bloodworks Northwest	
93.839	I	122,674	Blood Diseases and Resources Research	FY18.878.005	University of Colorado Denver	
93.839	I	944	Blood Diseases and Resources Research	GENFD0001386039	Children's Hospital Boston	
93.839	I	50,263	Blood Diseases and Resources Research	GENFD0001586967	Children's Hospital Boston	
93.839	I	418	Blood Diseases and Resources Research	N/A	Ohio State University	
93.839	I	12,669	Blood Diseases and Resources Research	N/A	Redbud Labs	
93.839	I	54	Blood Diseases and Resources Research	N/A	Rutgers the State University of New Jersey	
93.839	I	8,913	Blood Diseases and Resources Research	PO 6013872	Medical College of Wisconsin	
93.839	I	4,358	Blood Diseases and Resources Research	PO#6078346	Medical College of Wisconsin	
93.839	I	1,554	Blood Diseases and Resources Research	RF01499049/60061713	Ohio State University	
93.839	I	15,110	Blood Diseases and Resources Research	RG850-G1	Georgia Institute of Technology	
93.839	I	57,750	Blood Diseases and Resources Research	SS0482	Rutgers the State University of New Jersey	
93.839	I	51,050	Blood Diseases and Resources Research	UWSC8675 (BPO9467)	University of Washington	
93.839	I	252,388	Blood Diseases and Resources Research	UWSC8675/ BPO 9467	University of Washington	
93.839	I	6,467	Blood Diseases and Resources Research	WU-15-268	Washington University in Saint Louis	
93.839	I	4,401	Blood Diseases and Resources Research	WU-18-162	Washington University in Saint Louis	
93.839	I	14,954	Blood Diseases and Resources Research	WU-18-162-MOD-1 /PO2	Washington University in Saint Louis	
93.840	I	5,477	Translation and Implementation Science Research for Heart, Lung, Blood Diseases, and Sleep Disorders	N/A	University of Malawi College of Medicine	
93.846	D	5,286,110	Arthritis, Musculoskeletal and Skin Diseases Research			
93.846	I	18,472	Arthritis, Musculoskeletal and Skin Diseases Research	102600-551250	Wake Forest University Health Sciences	
93.846	I	1,620	Arthritis, Musculoskeletal and Skin Diseases Research	11-181-UNC-CH	West Virginia University Research Corpor	
93.846	I	16,865	Arthritis, Musculoskeletal and Skin Diseases Research	1137965-2-77417	SUNY at Stony Brook	

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93.846	I	(3)	Arthritis, Musculoskeletal and Skin Diseases Research	12-01091/101776	New York University (NYU)	
93.846	I	2,394	Arthritis, Musculoskeletal and Skin Diseases Research	14-010	Wake Forest University	
93.846	I	726,837	Arthritis, Musculoskeletal and Skin Diseases Research	16-004	Wake Forest University	
93.846	I	1,249	Arthritis, Musculoskeletal and Skin Diseases Research	203-5348	Duke University	
93.846	I	16,579	Arthritis, Musculoskeletal and Skin Diseases Research	203-7646	Duke University	
93.846	I	131,537	Arthritis, Musculoskeletal and Skin Diseases Research	203-7919	Duke University	
93.846	I	60,869	Arthritis, Musculoskeletal and Skin Diseases Research	2037090	Duke University	
93.846	I	41,634	Arthritis, Musculoskeletal and Skin Diseases Research	2832078	Duke University	
93.846	I	37,533	Arthritis, Musculoskeletal and Skin Diseases Research	3210940919-XX	Children's Hospital of Philadelphia	
93.846	I	5,774	Arthritis, Musculoskeletal and Skin Diseases Research	8977sc	University of California at San Francisco	
93.846	I	63,953	Arthritis, Musculoskeletal and Skin Diseases Research	A030250	Duke University	
93.846	I	32,444	Arthritis, Musculoskeletal and Skin Diseases Research	A030251	Duke University	
93.846	I	15,632	Arthritis, Musculoskeletal and Skin Diseases Research	A030254	Duke University	
93.846	I	2,085	Arthritis, Musculoskeletal and Skin Diseases Research	PS#113296	Brigham and Women's Hospital	
93.847	D	25,664,844	Diabetes, Digestive, and Kidney Diseases Extramural Research			
93.847	I	33,889	Diabetes, Digestive, and Kidney Diseases Extramural Research	0013642C	University of Texas at Houston Health	
93.847	I	60,639	Diabetes, Digestive, and Kidney Diseases Extramural Research	0013771B	University of Texas at Houston Health	
93.847	I	16,803	Diabetes, Digestive, and Kidney Diseases Extramural Research	0125 G WC382	University of California at Los Angeles	
93.847	I	11,907	Diabetes, Digestive, and Kidney Diseases Extramural Research	10046979-01	University of Utah	
93.847	I	28,156	Diabetes, Digestive, and Kidney Diseases Extramural Research	18-3659/PO#200003955	University of South Carolina (USC)	
93.847	I	(280)	Diabetes, Digestive, and Kidney Diseases Extramural Research	1R43DK093119-01	Novan, Inc.	
93.847	I	63,779	Diabetes, Digestive, and Kidney Diseases Extramural Research	1R43DK117763-01A1	Altis Biosystems, Inc. (formerly Altis B	
93.847	I	3,464	Diabetes, Digestive, and Kidney Diseases Extramural Research	2002879987	Johns Hopkins Bloomberg School of Public	
93.847	I	1	Diabetes, Digestive, and Kidney Diseases Extramural Research	2034021	Duke University	
93.847	I	16,043	Diabetes, Digestive, and Kidney Diseases Extramural Research	2035593	Duke University	
93.847	I	49,573	Diabetes, Digestive, and Kidney Diseases Extramural Research	2037258	Duke University	
93.847	I	1	Diabetes, Digestive, and Kidney Diseases Extramural Research	221566	Massachusetts General Hospital	
93.847	I	1,929	Diabetes, Digestive, and Kidney Diseases Extramural Research	3003328374	University of Michigan (UMICH)	
93.847	I	94,723	Diabetes, Digestive, and Kidney Diseases Extramural Research	3003601669	University of Michigan (UMICH)	
93.847	I	66,318	Diabetes, Digestive, and Kidney Diseases Extramural Research	3004212973	University of Michigan (UMICH)	
93.847	I	41,435	Diabetes, Digestive, and Kidney Diseases Extramural Research	3004941494	University of Michigan Board of Regents	
93.847	I	1	Diabetes, Digestive, and Kidney Diseases Extramural Research	330182/960972RSUB	Children's Hospital of Philadelphia	
93.847	I	30,661	Diabetes, Digestive, and Kidney Diseases Extramural Research	3301820719 / 2001722	Children's Hospital of Philadelphia	
93.847	I	373	Diabetes, Digestive, and Kidney Diseases Extramural Research	4/PO#1002690	Rutgers the State University of New Jersey	
93.847	I	17,571	Diabetes, Digestive, and Kidney Diseases Extramural Research	417495G / UR FAO GR5	University of Rochester	
93.847	I	6,936	Diabetes, Digestive, and Kidney Diseases Extramural Research	5-53384	Scripps Research Institute	
93.847	I	11,247	Diabetes, Digestive, and Kidney Diseases Extramural Research	5216284-5500001208	Broad Institute	
93.847	I	8,755	Diabetes, Digestive, and Kidney Diseases Extramural Research	60040977 UNC	Northwestern University	
93.847	I	55,739	Diabetes, Digestive, and Kidney Diseases Extramural Research	60059166-UNCCH	Ohio State University	
93.847	I	14,597	Diabetes, Digestive, and Kidney Diseases Extramural Research	64744923	University of California at San Diego (U	
93.847	I	1,314	Diabetes, Digestive, and Kidney Diseases Extramural Research	700094-0818-00	Nationwide Children's Hospital	
93.847	I	38,682	Diabetes, Digestive, and Kidney Diseases Extramural Research	700094-0819-00	Nationwide Children's Hospital	
93.847	I	(3)	Diabetes, Digestive, and Kidney Diseases Extramural Research	7916SC	University of California at San Francisco	
93.847	I	4,957	Diabetes, Digestive, and Kidney Diseases Extramural Research	962639-RSUB 33018207	Children's Hospital of Philadelphia	
93.847	I	44,917	Diabetes, Digestive, and Kidney Diseases Extramural Research	A030343	Duke University	
93.847	I	2,678	Diabetes, Digestive, and Kidney Diseases Extramural Research	DK072476-15225-UNC-0	Pennington Biomedical Research Center	
93.847	I	246,475	Diabetes, Digestive, and Kidney Diseases Extramural Research	FAR0027327	North Dakota State University	
93.847	I	55,471	Diabetes, Digestive, and Kidney Diseases Extramural Research	FP00005212-SA001	Virginia Commonwealth University (VCU)	
93.847	I	241,927	Diabetes, Digestive, and Kidney Diseases Extramural Research	FP00007299-SA001	Virginia Commonwealth University (VCU)	
93.847	I	27,788	Diabetes, Digestive, and Kidney Diseases Extramural Research	FP068366-01F	University of Chicago	
93.847	I	126,218	Diabetes, Digestive, and Kidney Diseases Extramural Research	N/A	Clinical Sensors, Inc.	
93.847	I	18,009	Diabetes, Digestive, and Kidney Diseases Extramural Research	N/A	University of South Florida Tampa	
93.847	I	163,782	Diabetes, Digestive, and Kidney Diseases Extramural Research	N006851801	University of Minnesota	
93.847	I	64,251	Diabetes, Digestive, and Kidney Diseases Extramural Research	PA-17-302	Sonovolt, LLC	
93.847	I	29,242	Diabetes, Digestive, and Kidney Diseases Extramural Research	PD303771-SC107091	Virginia Commonwealth University (VCU)	
93.847	I	(65)	Diabetes, Digestive, and Kidney Diseases Extramural Research	PO#2922664Y/WU-15-10	Washington University in Saint Louis	
93.847	I	7,578	Diabetes, Digestive, and Kidney Diseases Extramural Research	PO#3003642651	University of Michigan (UMICH)	
93.847	I	6,479	Diabetes, Digestive, and Kidney Diseases Extramural Research	RPS 2	PELVIC FLOORS DISORDERSRESEARCH	
93.847	I	10,535	Diabetes, Digestive, and Kidney Diseases Extramural Research	S-GRD1718-MD31	George Washington University	
93.847	I	116,816	Diabetes, Digestive, and Kidney Diseases Extramural Research	S-GRD1819-LU31	George Washington University	
93.847	I	40,709	Diabetes, Digestive, and Kidney Diseases Extramural Research	SUBK00001807/ 300519	University of Michigan (UMICH)	
93.847	I	177	Diabetes, Digestive, and Kidney Diseases Extramural Research	SUBK00009254	University of Michigan (UMICH)	

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93.847	I	2	Diabetes, Digestive, and Kidney Diseases Extramural Research	UNCDK095078	Pennsylvania State University	
93.847	I	354,400	Diabetes, Digestive, and Kidney Diseases Extramural Research	VUMC 62324	Vanderbilt University Medical Center	
93.847	I	470,016	Diabetes, Digestive, and Kidney Diseases Extramural Research	WFUHS 114580	Wake Forest University Health Sciences	
93.847	I	38,154	Diabetes, Digestive, and Kidney Diseases Extramural Research	WFUHS113519	Wake Forest University School of Medicine	
93.847	I	3	Diabetes, Digestive, and Kidney Diseases Extramural Research	WU-11-230/2911696P	Washington University in Saint Louis	
93.847	I	61,429	Diabetes, Digestive, and Kidney Diseases Extramural Research	WU-18-312	Washington University in Saint Louis	
93.849	I	4	Kidney Diseases, Urology and Hematology Research	3207860212/PO951193	Children's Hospital of Philadelphia	
93.853	D	7,195,878	Extramural Research Programs in the Neurosciences and Neurological Disorders			
93.853	I	8,086	Extramural Research Programs in the Neurosciences and Neurological Disorders	0061260 (130795-1)	University of Pittsburgh	
93.853	I	91,280	Extramural Research Programs in the Neurosciences and Neurological Disorders	1(GG10847-01)	Columbia University	
93.853	I	283	Extramural Research Programs in the Neurosciences and Neurological Disorders	1171-SUB	Cleveland Clinic Foundation	
93.853	I	4,188	Extramural Research Programs in the Neurosciences and Neurological Disorders	2003631110	Johns Hopkins University	
93.853	I	14,502	Extramural Research Programs in the Neurosciences and Neurological Disorders	2003991965	Johns Hopkins University	
93.853	I	2,400	Extramural Research Programs in the Neurosciences and Neurological Disorders	2004213280	Johns Hopkins University	
93.853	I	(1,235)	Extramural Research Programs in the Neurosciences and Neurological Disorders	2014-0569/ AIP043537	The Allen Institute for Brain Science	
93.853	I	152,951	Extramural Research Programs in the Neurosciences and Neurological Disorders	2017-0569	The Allen Institute for Brain Science	
93.853	I	11,806	Extramural Research Programs in the Neurosciences and Neurological Disorders	2301 G WE216	University of California at Los Angeles	
93.853	I	623	Extramural Research Programs in the Neurosciences and Neurological Disorders	417423	University of Rochester	
93.853	I	26,075	Extramural Research Programs in the Neurosciences and Neurological Disorders	48575	University of Delaware	
93.853	I	1,890	Extramural Research Programs in the Neurosciences and Neurological Disorders	5-27078	Scripps Research Institute	
93.853	I	19,404	Extramural Research Programs in the Neurosciences and Neurological Disorders	5-27219	Scripps Research Institute	
93.853	I	(1,233)	Extramural Research Programs in the Neurosciences and Neurological Disorders	569365	Trustees of the Univ. of Pennsylvania	
93.853	I	9,044	Extramural Research Programs in the Neurosciences and Neurological Disorders	8468sc	University of California at San Francisco	
93.853	I	41,841	Extramural Research Programs in the Neurosciences and Neurological Disorders	8564SC	University of California at San Francisco	
93.853	I	320,808	Extramural Research Programs in the Neurosciences and Neurological Disorders	9091SC	University of California at San Francisco	
93.853	I	14,065	Extramural Research Programs in the Neurosciences and Neurological Disorders	937-SUB	Cleveland Clinic Foundation	
93.853	I	62,563	Extramural Research Programs in the Neurosciences and Neurological Disorders	A03-0101	Duke University	
93.853	I	64,127	Extramural Research Programs in the Neurosciences and Neurological Disorders	A030444	Duke University	
93.853	I	94,083	Extramural Research Programs in the Neurosciences and Neurological Disorders	FY2016-006	University of Kansas Center for Research	
93.853	I	100,396	Extramural Research Programs in the Neurosciences and Neurological Disorders	GMO 191002 PO#000000	University of Texas Southwestern Medical	
93.853	I	45,623	Extramural Research Programs in the Neurosciences and Neurological Disorders	GMO 191005 PO 000000	University of Texas Southwestern Medical	
93.853	I	110,672	Extramural Research Programs in the Neurosciences and Neurological Disorders	K002789-00-S02	Kitware, Inc.	
93.853	I	11,045	Extramural Research Programs in the Neurosciences and Neurological Disorders	N/A	Collaborations Pharmaceuticals, Inc.	
93.853	I	11,124	Extramural Research Programs in the Neurosciences and Neurological Disorders	N/A	Dignify Therapeutics	
93.853	I	89,576	Extramural Research Programs in the Neurosciences and Neurological Disorders	N/A	University of California at Santa Barbara	
93.853	I	23,778	Extramural Research Programs in the Neurosciences and Neurological Disorders	SNNC4118	Soterix Medical Inc	
93.853	I	43,007	Extramural Research Programs in the Neurosciences and Neurological Disorders	STTR 1R41NS108895	Xona Microfluidics, LLC	
93.855	D	64,671,085	Allergy and Infectious Diseases Research			
93.855	I	117,961	Allergy and Infectious Diseases Research	00001340	Brown University	
93.855	I	124,242	Allergy and Infectious Diseases Research	00001398	Brown University	
93.855	I	263,731	Allergy and Infectious Diseases Research	00008956	University of California at Berkeley (Ca	
93.855	I	21,292	Allergy and Infectious Diseases Research	00008956/ POBB006442	University of California at Berkeley (Ca	
93.855	I	67,143	Allergy and Infectious Diseases Research	0000925916	Fred Hutchinson Cancer Research Center	
93.855	I	37,806	Allergy and Infectious Diseases Research	0000936571	Fred Hutchinson Cancer Research Center	
93.855	I	217,921	Allergy and Infectious Diseases Research	0000951637	Fred Hutchinson Cancer Research Center	
93.855	I	414,819	Allergy and Infectious Diseases Research	000502793-005	University of Alabama at Birmingham	
93.855	I	167,622	Allergy and Infectious Diseases Research	000502793-008	University of Alabama at Birmingham	
93.855	I	93,156	Allergy and Infectious Diseases Research	000503356-SP002-025	Creative and Novel Ideas in HIV Research	
93.855	I	52,824	Allergy and Infectious Diseases Research	0005100836-008	University of Alabama at Birmingham	
93.855	I	97,450	Allergy and Infectious Diseases Research	000520254-002	University of Alabama at Birmingham	
93.855	I	69,819	Allergy and Infectious Diseases Research	0047867 (126557-1)	University of Pittsburgh	
93.855	I	17,994	Allergy and Infectious Diseases Research	0080.0144/955	Family Health International	
93.855	I	(66)	Allergy and Infectious Diseases Research	0080.0213/779	Family Health International	
93.855	I	158,580	Allergy and Infectious Diseases Research	0080.0247/104122	Family Health International	
93.855	I	180,553	Allergy and Infectious Diseases Research	0255-A651-4609	Mount Sinai School of Medicine	
93.855	I	7,430	Allergy and Infectious Diseases Research	10351SC	University of California at San Francisco	
93.855	I	1,922	Allergy and Infectious Diseases Research	10381SC	University of California at San Francisco	
93.855	I	(1)	Allergy and Infectious Diseases Research	108488	Brigham and Women's Hospital	
93.855	I	5	Allergy and Infectious Diseases Research	110006	Brigham and Women's Hospital	
93.855	I	9,750	Allergy and Infectious Diseases Research	110007	Brigham and Women's Hospital	
93.855	I	119,675	Allergy and Infectious Diseases Research	110008	Brigham and Women's Hospital	
93.855	I	135,716	Allergy and Infectious Diseases Research	110014	Brigham and Women's Hospital	

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93.855	I	153,129	Allergy and Infectious Diseases Research	110200	Brigham and Women's Hospital	
93.855	I	314,015	Allergy and Infectious Diseases Research	110209	Brigham and Women's Hospital	
93.855	I	1,734	Allergy and Infectious Diseases Research	110233	Brigham and Women's Hospital	
93.855	I	17,877	Allergy and Infectious Diseases Research	110236	Brigham and Women's Hospital	
93.855	I	332,147	Allergy and Infectious Diseases Research	111666	Brigham and Women's Hospital	
93.855	I	169,857	Allergy and Infectious Diseases Research	111672	Brigham and Women's Hospital	
93.855	I	3,436	Allergy and Infectious Diseases Research	135408-CT1-OMEGA	Cincinnati Children's Hospital Medical Ce	
93.855	I	20,184	Allergy and Infectious Diseases Research	135408-CT1-OMEGA/ 31	Cincinnati Children's Hospital Medical Ce	
93.855	I	6,064	Allergy and Infectious Diseases Research	135409 CT2-DIET STUD	Cincinnati Children's Hospital Medical Ce	
93.855	I	16,619	Allergy and Infectious Diseases Research	135409-CT2 31006062	Cincinnati Children's Hospital Medical Ce	
93.855	I	(186)	Allergy and Infectious Diseases Research	15001683	Family Health International	
93.855	I	67,358	Allergy and Infectious Diseases Research	1560 B WA858	University of California at Los Angeles	
93.855	I	44,636	Allergy and Infectious Diseases Research	1560 B WA900	University of California at Los Angeles	
93.855	I	144,192	Allergy and Infectious Diseases Research	1560 G WA853	University of California at Los Angeles	
93.855	I	1,709	Allergy and Infectious Diseases Research	1560 G WA863	University of California at Los Angeles	
93.855	I	34,988	Allergy and Infectious Diseases Research	1560 G WA931	University of California at Los Angeles	
93.855	I	10,501	Allergy and Infectious Diseases Research	1560 G WB039	University of California at Los Angeles	
93.855	I	7,296	Allergy and Infectious Diseases Research	1651R18	Dartmouth College	
93.855	I	31,642	Allergy and Infectious Diseases Research	17-292	Profectus Biosciences, Inc.	
93.855	I	107,603	Allergy and Infectious Diseases Research	17-3287/PO2000030946	University of South Carolina (USC)	
93.855	I	36,504	Allergy and Infectious Diseases Research	180185	Cornell University Medical Campus	
93.855	I	614,362	Allergy and Infectious Diseases Research	183629	Cornell University Medical Campus	
93.855	I	67,363	Allergy and Infectious Diseases Research	1R21AI130542-01A1	Medical College of Wisconsin	
93.855	I	7,479	Allergy and Infectious Diseases Research	1R21AI130542-02	Medical College of Wisconsin	
93.855	I	(1,743)	Allergy and Infectious Diseases Research	2002179502	Johns Hopkins University	
93.855	I	(91)	Allergy and Infectious Diseases Research	2002250574	Johns Hopkins University	
93.855	I	123,942	Allergy and Infectious Diseases Research	2002815334	Johns Hopkins University	
93.855	I	2,354	Allergy and Infectious Diseases Research	2002967331	Johns Hopkins University	
93.855	I	49,966	Allergy and Infectious Diseases Research	2003037086	Johns Hopkins University	
93.855	I	118,312	Allergy and Infectious Diseases Research	2003383922 200338391	Johns Hopkins University	
93.855	I	166,700	Allergy and Infectious Diseases Research	2003478036	Johns Hopkins University	
93.855	I	35,325	Allergy and Infectious Diseases Research	2003993693	Johns Hopkins University	
93.855	I	48,389	Allergy and Infectious Diseases Research	203-7732	Duke University	
93.855	I	84,691	Allergy and Infectious Diseases Research	203-7757	Duke University	
93.855	I	14,439	Allergy and Infectious Diseases Research	2032190	Duke University	
93.855	I	231,158	Allergy and Infectious Diseases Research	2032192	Duke University	
93.855	I	445,001	Allergy and Infectious Diseases Research	2034857	Duke University	
93.855	I	116,816	Allergy and Infectious Diseases Research	203504UNC	University of Notre Dame	
93.855	I	205,599	Allergy and Infectious Diseases Research	2036404	Duke University Medical Center	
93.855	I	40,025	Allergy and Infectious Diseases Research	2037381	Duke University	
93.855	I	(2,844)	Allergy and Infectious Diseases Research	2038658	Duke University	
93.855	I	4,960	Allergy and Infectious Diseases Research	212022-S4473	Fred Hutchinson Cancer Research Center	
93.855	I	3,659	Allergy and Infectious Diseases Research	212022-S4475	Fred Hutchinson Cancer Research Center	
93.855	I	650	Allergy and Infectious Diseases Research	212022-S4906	Fred Hutchinson Cancer Research Center	
93.855	I	105	Allergy and Infectious Diseases Research	212022-S4913	Fred Hutchinson Cancer Research Center	
93.855	I	(14,430)	Allergy and Infectious Diseases Research	212022-S4916	Fred Hutchinson Cancer Research Center	
93.855	I	64,116	Allergy and Infectious Diseases Research	231656	Massachusetts General Hospital	
93.855	I	6,365	Allergy and Infectious Diseases Research	235058	Duke University	
93.855	I	33,620	Allergy and Infectious Diseases Research	2501/ 824643	Henry M Jackson Foundation	
93.855	I	259,746	Allergy and Infectious Diseases Research	2501/ PO # 824643	Henry M Jackson Foundation	
93.855	I	20,598	Allergy and Infectious Diseases Research	2502/ PO 824894	Henry M Jackson Foundation	
93.855	I	169,659	Allergy and Infectious Diseases Research	2R42A112064-03	Clinical Sensors, Inc.	
93.855	I	43,161	Allergy and Infectious Diseases Research	3004163909	University of Michigan (UMICH)	
93.855	I	4,675	Allergy and Infectious Diseases Research	3021001	Duke University	
93.855	I	37,111	Allergy and Infectious Diseases Research	3021016	Duke University	
93.855	I	6,562	Allergy and Infectious Diseases Research	3021054	Duke University	
93.855	I	53,776	Allergy and Infectious Diseases Research	3021176	Duke University	
93.855	I	105,959	Allergy and Infectious Diseases Research	3021209	Duke University	
93.855	I	55,089	Allergy and Infectious Diseases Research	3021233	Duke University	
93.855	I	327	Allergy and Infectious Diseases Research	310429 PO 633350	Albert Einstein College of Medicine Inc	
93.855	I	49,520	Allergy and Infectious Diseases Research	4681/PO#954750/6	Henry M Jackson Foundation	
93.855	I	134,610	Allergy and Infectious Diseases Research	492004	University of Arizona	

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93.855	I	(5,361)	Allergy and Infectious Diseases Research	5(GG008377-29)	Columbia University	
93.855	I	497,171	Allergy and Infectious Diseases Research	5(GG008377-39)	Columbia University	
93.855	I	26,883	Allergy and Infectious Diseases Research	5R01AI131688-03	Rockefeller University	
93.855	I	56,682	Allergy and Infectious Diseases Research	5R01AI1316888-02	Rockefeller University	
93.855	I	11,382	Allergy and Infectious Diseases Research	60040631 UNC	Northwestern University	
93.855	I	26,684	Allergy and Infectious Diseases Research	755K241	University of Wisconsin at Madison	
93.855	I	22,875	Allergy and Infectious Diseases Research	8316	Rutgers the State University of New Jersey	
93.855	I	257,201	Allergy and Infectious Diseases Research	861/0080.0016	Family Health International	
93.855	I	291,120	Allergy and Infectious Diseases Research	861/0080.0016/PO#USO	Family Health International	
93.855	I	11,446	Allergy and Infectious Diseases Research	9302SC	University of California Regents	
93.855	I	8,703	Allergy and Infectious Diseases Research	94075853	University of California at San Diego (U	
93.855	I	282,834	Allergy and Infectious Diseases Research	9532	Magee-Women's Research Institute & Founda	
93.855	I	23,063	Allergy and Infectious Diseases Research	955/0080.0144/PO#GOO	Family Health International	
93.855	I	43,301	Allergy and Infectious Diseases Research	956/0080.0145/ GO 00	Family Health International	
93.855	I	28,363	Allergy and Infectious Diseases Research	9599	Magee-Women's Research Institute & Founda	
93.855	I	6,322	Allergy and Infectious Diseases Research	972/0080.0174	Family Health International	
93.855	I	149,961	Allergy and Infectious Diseases Research	A030938	Duke University	
93.855	I	3,941	Allergy and Infectious Diseases Research	A031162	Duke University	
93.855	I	39,761	Allergy and Infectious Diseases Research	A031164	Duke University	
93.855	I	11,172	Allergy and Infectious Diseases Research	A031451	Duke University	
93.855	I	33,858	Allergy and Infectious Diseases Research	A039061	Duke University	
93.855	I	94,019	Allergy and Infectious Diseases Research	A039076	Duke University	
93.855	I	16,233	Allergy and Infectious Diseases Research	A134495	Emory University (EU)	
93.855	I	335,421	Allergy and Infectious Diseases Research	A30235	Duke University Medical Center	
93.855	I	14,947	Allergy and Infectious Diseases Research	CNVA00060724(131270)	University of Pittsburgh	
93.855	I	46,588	Allergy and Infectious Diseases Research	FY15ITN012	Benaroya Research Institute	
93.855	I	461	Allergy and Infectious Diseases Research	FY17ITN156	Benaroya Research Institute	
93.855	I	124,457	Allergy and Infectious Diseases Research	FY18ITN008	Benaroya Research Institute	
93.855	I	454	Allergy and Infectious Diseases Research	FY18ITN012	Benaroya Research Institute	
93.855	I	66,667	Allergy and Infectious Diseases Research	ITN050AD	Benaroya Research Institute	
93.855	I	4,212	Allergy and Infectious Diseases Research	LDR 12/PO#2004112736	Johns Hopkins University	
93.855	I	3	Allergy and Infectious Diseases Research	LDR-10	Johns Hopkins University	
93.855	I	29,185	Allergy and Infectious Diseases Research	LDR-10 PO 2002688423	Johns Hopkins University	
93.855	I	(36,021)	Allergy and Infectious Diseases Research	N/A	Brigham and Women's Hospital	
93.855	I	231,689	Allergy and Infectious Diseases Research	N/A	Cell Microsystems, Inc.	
93.855	I	4,176	Allergy and Infectious Diseases Research	N/A	Columbia University	
93.855	I	(1,851)	Allergy and Infectious Diseases Research	N/A	Duke University	
93.855	I	47,320	Allergy and Infectious Diseases Research	N/A	EpiCypher, Inc.	
93.855	I	71,486	Allergy and Infectious Diseases Research	N/A	EpiCypher, Inc.	
93.855	I	114,184	Allergy and Infectious Diseases Research	N/A	EpiCypher, Inc.	
93.855	I	110,684	Allergy and Infectious Diseases Research	N/A	Family Health International	
93.855	I	67,205	Allergy and Infectious Diseases Research	N/A	Family Health International	
93.855	I	17,740	Allergy and Infectious Diseases Research	N/A	Fred Hutchinson Cancer Research Center	
93.855	I	10,102	Allergy and Infectious Diseases Research	N/A	Fred Hutchinson Cancer Research Center	
93.855	I	101,090	Allergy and Infectious Diseases Research	N/A	IMMvention Therapeutix, Inc	
93.855	I	107,989	Allergy and Infectious Diseases Research	N/A	Johns Hopkins University	
93.855	I	30,514	Allergy and Infectious Diseases Research	N/A	Mucommunne, LLC	
93.855	I	74,369	Allergy and Infectious Diseases Research	N/A	University of Alabama at Birmingham	
93.855	I	261,776	Allergy and Infectious Diseases Research	N/A	University of Alabama at Birmingham	
93.855	I	1,905	Allergy and Infectious Diseases Research	N/A	University of California at San Francisco	
93.855	I	117,515	Allergy and Infectious Diseases Research	N005402801	University of Minnesota	
93.855	I	363,962	Allergy and Infectious Diseases Research	OSP2018037	University of Massachusetts Medical School	
93.855	I	39,682	Allergy and Infectious Diseases Research	OSP2018069/ WA006836	University of Massachusetts	
93.855	I	176,723	Allergy and Infectious Diseases Research	PO 15004410	Family Health International	
93.855	I	114,799	Allergy and Infectious Diseases Research	PO 15004411	Family Health International	
93.855	I	(4,854)	Allergy and Infectious Diseases Research	PO 16002863	Family Health International	
93.855	I	22,221	Allergy and Infectious Diseases Research	PO 17004265	Family Health International	
93.855	I	113,899	Allergy and Infectious Diseases Research	PO 18001617	Family Health International	
93.855	I	7,833	Allergy and Infectious Diseases Research	PO 19000835	Family Health International	
93.855	I	180,038	Allergy and Infectious Diseases Research	PO 824894 / 2502 64	Henry M Jackson Foundation	
93.855	I	28,371	Allergy and Infectious Diseases Research	PO# 2002815334	Johns Hopkins University	
93.855	I	(260,000)	Allergy and Infectious Diseases Research	PO#2001935242	Johns Hopkins University	

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93.855	I	25,726	Allergy and Infectious Diseases Research	PO17000385	FHI 360	
93.855	I	781,505	Allergy and Infectious Diseases Research	PO17001853	Family Health International	
93.855	I	599,693	Allergy and Infectious Diseases Research	PO17001868	Family Health International	
93.855	I	1,069,762	Allergy and Infectious Diseases Research	PO17002292	Family Health International	
93.855	I	43,972	Allergy and Infectious Diseases Research	PO17003035	Family Health International	
93.855	I	16,433	Allergy and Infectious Diseases Research	PO18002626	Family Health International	
93.855	I	9,516	Allergy and Infectious Diseases Research	PO19000050	Family Health International	
93.855	I	35,448	Allergy and Infectious Diseases Research	PO19000834	Family Health International	
93.855	I	240,078	Allergy and Infectious Diseases Research	R01A1111965	Monash University	
93.855	I	9,953	Allergy and Infectious Diseases Research	R988507	SUNY at Buffalo	
93.855	I	10,462	Allergy and Infectious Diseases Research	SPC-000937	University of Miami	
93.855	I	(7,143)	Allergy and Infectious Diseases Research	T817182 (T652736)	Emory University (EU)	
93.855	I	32,050	Allergy and Infectious Diseases Research	T886595	Emory University (EU)	
93.855	I	108,257	Allergy and Infectious Diseases Research	T983400	Emory University (EU)	
93.855	I	118,934	Allergy and Infectious Diseases Research	UTA18-000140	University of Texas at Austin	
93.855	I	16,471	Allergy and Infectious Diseases Research	UWSC11041 / BPO38223	University of Washington	
93.855	I	119,174	Allergy and Infectious Diseases Research	UWSC7489	University of Washington	
93.855	I	386,730	Allergy and Infectious Diseases Research	VUMC 41666	Vanderbilt University Medical Center	
93.855	I	19,208	Allergy and Infectious Diseases Research	VUMC 70553	Vanderbilt University Medical Center	
93.855	I	20,884	Allergy and Infectious Diseases Research	WFUHS 553763	Wake Forest University Health Sciences	
93.855	I	90,374	Allergy and Infectious Diseases Research	eRa 1354	University of Cape Town	
93.856	D	254,192	Microbiology and Infectious Diseases Research			
93.856	I	222,083	Microbiology and Infectious Diseases Research	1203002	Dana Farber Cancer Institute	
93.859	D	38,238,277	Biomedical Research and Research Training			
93.859	I	(3,495)	Biomedical Research and Research Training	00002140	Princeton University	
93.859	I	16,476	Biomedical Research and Research Training	0000905066	Fred Hutchinson Cancer Research Center	
93.859	I	30,104	Biomedical Research and Research Training	0000970745	Fred Hutchinson Cancer Research Center	
93.859	I	11,358	Biomedical Research and Research Training	1012389-UNCC	Oregon Health and Science University	
93.859	I	36,732	Biomedical Research and Research Training	18-0634	250Glycan Therapeutics, Inc.	
93.859	I	114,893	Biomedical Research and Research Training	18-0784	KXT Bio, Inc.	
93.859	I	45,326	Biomedical Research and Research Training	2004080385	Johns Hopkins University	
93.859	I	16,494	Biomedical Research and Research Training	2017-3475	University of California at Irvine (UCI)	
93.859	I	(2)	Biomedical Research and Research Training	203-1990	Duke University Medical Center	
93.859	I	49,741	Biomedical Research and Research Training	3004537869	University of Michigan Ann Arbor	
93.859	I	19,071	Biomedical Research and Research Training	3004653332	University of Michigan (UMICH)	
93.859	I	139,940	Biomedical Research and Research Training	3004653332/PO3005149	University of Michigan (UMICH)	
93.859	I	5,927	Biomedical Research and Research Training	575434	Trustees of the Univ. of Pennsylvania	
93.859	I	310	Biomedical Research and Research Training	60068802	Ohio State University	
93.859	I	21,307	Biomedical Research and Research Training	A030019	Duke University	
93.859	I	81,830	Biomedical Research and Research Training	A030785	Duke University	
93.859	I	3,932	Biomedical Research and Research Training	FCC15101-02	Fox Chase Cancer Center	
93.859	I	17,980	Biomedical Research and Research Training	FP058702	University of Chicago	
93.859	I	87,821	Biomedical Research and Research Training	MUSC16-036	Medical University of South Carolina (MU)	
93.859	I	63,457	Biomedical Research and Research Training	N/A	250Glycan Therapeutics, Inc.	
93.859	I	186,104	Biomedical Research and Research Training	N/A	250Glycan Therapeutics, Inc.	
93.859	I	18,061	Biomedical Research and Research Training	N/A	AI Tracking Solutions, Inc.	
93.859	I	2,371	Biomedical Research and Research Training	N/A	AI Tracking Solutions, Inc.	
93.859	I	6,767	Biomedical Research and Research Training	N/A	Duke University	
93.859	I	40,082	Biomedical Research and Research Training	N/A	EpiCypher, Inc.	
93.859	I	(1,991)	Biomedical Research and Research Training	N/A	Princeton University	
93.859	I	1,124	Biomedical Research and Research Training	N/A	Ribometrix, Inc.	
93.859	I	121,478	Biomedical Research and Research Training	N/A	SciKon Innovation Inc	
93.859	I	225	Biomedical Research and Research Training	R42GM106421	Cell Microsystems, Inc.	
93.859	I	70,408	Biomedical Research and Research Training	RC10491UNC	Michigan State University	
93.859	I	24,747	Biomedical Research and Research Training	RJ-193-G1/PO#3700450	Georgia Institute of Technology Research	
93.859	I	139,203	Biomedical Research and Research Training	UNCGM123247	Pennsylvania State University	
93.859	I	114,312	Biomedical Research and Research Training	UNCR01GM114015	Pennsylvania State University	
93.859	I	(27,428)	Biomedical Research and Research Training	WA00473947/OSP201704	University of Massachusetts	
93.859	I	76,178	Biomedical Research and Research Training	WA00615827/ OSP20170	University of Massachusetts	
93.859	I	219,743	Biomedical Research and Research Training	WA00737030/ OSP20170	University of Massachusetts	
93.865	D	44,419,024	Child Health and Human Development Extramural Research			
93.865	I	1,301	Child Health and Human Development Extramural Research	000509380-SP004-003	University of Alabama at Birmingham	

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93.865		54,876	Child Health and Human Development Extramural Research	1-312-0215374-52637L	Research Triangle Institute (RTI Interna	
93.865		6,714	Child Health and Human Development Extramural Research	1-312-0216102-65094L	Research Triangle Institute (RTI Interna	
93.865		17,659	Child Health and Human Development Extramural Research	1-312-0216826-65503L	Research Triangle Institute (RTI Interna	
93.865		8,543	Child Health and Human Development Extramural Research	102469.001.001/PO1	Family Health International	
93.865		2,323	Child Health and Human Development Extramural Research	114205-1385-5106544	Harvard University	
93.865		30,501	Child Health and Human Development Extramural Research	114205-1485-5106544	Harvard University	
93.865		125,497	Child Health and Human Development Extramural Research	14-NIH-1039	Duke University	
93.865		7,309	Child Health and Human Development Extramural Research	15-2719/PO2000020719	University of South Carolina (USC)	
93.865		65,634	Child Health and Human Development Extramural Research	1553411	University of Colorado at Boulder	
93.865		3,640	Child Health and Human Development Extramural Research	16091646-01/182878	Cornell University Weill Medical College	
93.865		40,661	Child Health and Human Development Extramural Research	17-2667	Affinergy, Inc.	
93.865		23,888	Child Health and Human Development Extramural Research	18-4146	CiceroDx, Inc.	
93.865		25,932	Child Health and Human Development Extramural Research	1R44HD095713	Baebies, Inc	
93.865		22,528	Child Health and Human Development Extramural Research	2-312-0216665-65432L	Research Triangle Institute (RTI Interna	
93.865		17,265	Child Health and Human Development Extramural Research	2000-G-VM484	University of California at Los Angeles	
93.865		9,985	Child Health and Human Development Extramural Research	2002795954	Johns Hopkins University	
93.865		1,908	Child Health and Human Development Extramural Research	201316	Duke University	
93.865		8,998	Child Health and Human Development Extramural Research	2015-3286	University of California at Irvine (UCI)	
93.865		32,590	Child Health and Human Development Extramural Research	2018-3601	University of California at Irvine (UCI)	
93.865		6,326	Child Health and Human Development Extramural Research	203-5652	Duke University	
93.865		90,928	Child Health and Human Development Extramural Research	203-6353	Duke University	
93.865		(24)	Child Health and Human Development Extramural Research	2035282	Duke University	
93.865		74,637	Child Health and Human Development Extramural Research	2036108	Duke University	
93.865		17,698	Child Health and Human Development Extramural Research	2037053	Duke University	
93.865		3,040	Child Health and Human Development Extramural Research	206028	Duke University	
93.865		197,579	Child Health and Human Development Extramural Research	21612-43392	Saint Louis University	
93.865		7,851	Child Health and Human Development Extramural Research	2831889	Duke University	
93.865		35,858	Child Health and Human Development Extramural Research	2831952-240023	Duke University	
93.865		116,376	Child Health and Human Development Extramural Research	3(GG014633-01)	Columbia University	
93.865		80,967	Child Health and Human Development Extramural Research	3836242/206028	Duke University	
93.865		64,980	Child Health and Human Development Extramural Research	4500002926	Boston University Board of Trustees	
93.865		362,545	Child Health and Human Development Extramural Research	5385-UNCCH-DHHS-4807	Pennsylvania State University	
93.865		19,225	Child Health and Human Development Extramural Research	571036 /PO 3979378	Trustees of the Univ. of Pennsylvania	
93.865		64,516	Child Health and Human Development Extramural Research	60050547	Ohio State University	
93.865		4,387	Child Health and Human Development Extramural Research	61676814-47273	Stanford University	
93.865		26,618	Child Health and Human Development Extramural Research	9373	Women and Infants Hospital of Rhode Island	
93.865		39,312	Child Health and Human Development Extramural Research	A030419	Duke University	
93.865		76,618	Child Health and Human Development Extramural Research	A030641	Duke University	
93.865		66,299	Child Health and Human Development Extramural Research	BMC ID 6927/PO 11630	Boston Medical Center	
93.865		85,842	Child Health and Human Development Extramural Research	D1404360-01	Wits Health Consortium	
93.865		361,825	Child Health and Human Development Extramural Research	F4330-02	New York University (NYU)	
93.865		4,807	Child Health and Human Development Extramural Research	FP00008136-SA002	Virginia Commonwealth University (VCU)	
93.865		5,847	Child Health and Human Development Extramural Research	FP00008924-SA002	Virginia Commonwealth University (VCU)	
93.865		188,130	Child Health and Human Development Extramural Research	FY2019-021	University of Kansas Center for Research	
93.865		46,552	Child Health and Human Development Extramural Research	GR101950 (CON-800011)	Yale University	
93.865		67,914	Child Health and Human Development Extramural Research	GR101978(CON-8000112)	Yale University	
93.865		32,175	Child Health and Human Development Extramural Research	M14A12036 (A10192)	Yale University	
93.865		14,260	Child Health and Human Development Extramural Research	N/A	Boston University Board of Trustees	
93.865		18,888	Child Health and Human Development Extramural Research	N/A	Duke University	
93.865		37,670	Child Health and Human Development Extramural Research	N/A	Duke University	
93.865		6,291	Child Health and Human Development Extramural Research	N/A	Duke University	
93.865		31,456	Child Health and Human Development Extramural Research	N/A	Duke University	
93.865		291	Child Health and Human Development Extramural Research	N/A	Duke University Medical Center	
93.865		2,213	Child Health and Human Development Extramural Research	N/A	Duke University Medical Center	
93.865		683,373	Child Health and Human Development Extramural Research	N/A	George Washington University	
93.865		27,822	Child Health and Human Development Extramural Research	N/A	Mucommune, LLC	
93.865		37,344	Child Health and Human Development Extramural Research	N/A	Mucommune, LLC	
93.865		68,644	Child Health and Human Development Extramural Research	N/A	New York University School of Medicine	
93.865		(1)	Child Health and Human Development Extramural Research	N/A	Virtually Better, Inc	
93.865		57,152	Child Health and Human Development Extramural Research	N006344802	University of Minnesota	
93.865		90,023	Child Health and Human Development Extramural Research	PO#2002795954	Johns Hopkins University	
93.865		11,902	Child Health and Human Development Extramural Research	RC106691D	Michigan State University	

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93.865	I	41,386	Child Health and Human Development Extramural Research	SC37547-02-00	University of Denver	
93.865	I	76,286	Child Health and Human Development Extramural Research	TUL-HSC-555717-17/18	Tulane University	
93.865	I	12,501	Child Health and Human Development Extramural Research	WU-19-112/PO#2934529	Washington University in Saint Louis	
93.866	D	7,926,359	Aging Research			
93.866	I	88,731	Aging Research	0061817 (131708-1)	University of Pittsburgh	
93.866	I	19,769	Aging Research	10.10.91562	Hebrew Rehabilitation Center	
93.866	I	85,903	Aging Research	103896352	University of California at San Diego (U	
93.866	I	50,863	Aging Research	13-NIH-1080	Duke University	
93.866	I	2,617	Aging Research	1558 G VA099	University of California at Los Angeles	
93.866	I	31,679	Aging Research	2003060831	Johns Hopkins University	
93.866	I	17,676	Aging Research	2003160709	Johns Hopkins University	
93.866	I	36,104	Aging Research	2003190090	Johns Hopkins University	
93.866	I	18,539	Aging Research	2003379634	Johns Hopkins University	
93.866	I	430,808	Aging Research	2003475848	Johns Hopkins University	
93.866	I	27,339	Aging Research	2004079614	Johns Hopkins University	
93.866	I	(117)	Aging Research	203-6200	Duke University	
93.866	I	144,816	Aging Research	203-7097	Duke University	
93.866	I	37,056	Aging Research	2037201	Duke University	
93.866	I	24,042	Aging Research	30340SUB53046 / PO17	University of Vermont	
93.866	I	(229)	Aging Research	450002102	Boston University	
93.866	I	6,562	Aging Research	60041739 UNC	Northwestern University	
93.866	I	105,005	Aging Research	674K531	University of Wisconsin at Madison	
93.866	I	18,658	Aging Research	90076	Hebrew SeniorLife	
93.866	I	3,712	Aging Research	91581	Hebrew Rehabilitation Center	
93.866	I	29,624	Aging Research	A03-0060	Duke University	
93.866	I	74,726	Aging Research	A03-0612	Duke University	
93.866	I	3,913	Aging Research	A030931	Duke University	
93.866	I	73,608	Aging Research	A18-0168-S001	University of California at Davis (UCD)	
93.866	I	181,487	Aging Research	FP062370 B	University of Chicago	
93.866	I	140,233	Aging Research	N/A	Dignify Therapeutics	
93.866	I	34,758	Aging Research	PA-17-303	Treadwell Corporation	
93.866	I	68,871	Aging Research	RR540-193/4942156	University of Georgia	
93.866	I	13,087	Aging Research	SUBK00010829/PO30053	University of Michigan (UMICH)	
93.866	I	30,127	Aging Research	UTA15-000439	University of Texas at Austin	
93.866	I	53,967	Aging Research	UTA18-000524	University of Texas at Austin	
93.866	I	444	Aging Research	VUMC 38284	Vanderbilt University	
93.866	I	12,493	Aging Research	WFUHS-115068	Wake Forest University Health Sciences	
93.867	D	3,604,840	Vision Research			
93.867	I	3,995	Vision Research	10033536-00	University of Utah	
93.867	I	22,023	Vision Research	10033536-00/ U000145	University of Utah	
93.867	I	5,698	Vision Research	20000-0000016024	Massachusetts Eye and Ear Infirmary	
93.867	I	(637)	Vision Research	N/A	CMP Tarhelm Partners LLC	
93.867	I	31,222	Vision Research	N/A	Jaeb Center for Health Research	
93.879	D	410,128	Medical Library Assistance			
93.884	D	178,472	Grants for Primary Care Training and Enhancement			
93.918	D	752,861	Grants to Provide Outpatient Early Intervention Services with Respect to HIV Disease			
93.924	D	7,788	Ryan White HIV/AIDS Dental Reimbursement and Community Based Dental Partnership Grants			
93.926	D	454,085	Healthy Start Initiative			
93.928	D	91,050	Special Projects of National Significance			
93.928	I	76,904	Special Projects of National Significance	N/A	National AIDS Fund	
93.928	I	152,796	Special Projects of National Significance	U90HA29237	National AIDS Fund	
93.941	I	82,763	HIV Demonstration, Research, Public and Professional Education Projects	A046695	Emory University (EU)	
93.941	I	22,068	HIV Demonstration, Research, Public and Professional Education Projects	T886562	Emory University (EU)	
93.943	D	2	Epidemiologic Research Studies of Acquired Immunodeficiency Syndrome (AIDS) and Human Immunodeficiency Virus (HIV) Infection in Selected Population Groups			
93.945	D	393,421	Assistance Programs for Chronic Disease Prevention and Control			
93.945	I	21,358	Assistance Programs for Chronic Disease Prevention and Control	0618-076	Alaska Department of Health and Social S	
93.945	I	2,290	Assistance Programs for Chronic Disease Prevention and Control	6482102	University of Southern Maine	
93.945	I	10,924	Assistance Programs for Chronic Disease Prevention and Control	Subcontract CDC-0001	Crohns and Colitis Foundation of America	
93.969	D	748,663	PPHF Geriatric Education Centers			

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93.989	D	3,488,759	International Research and Research Training			
93.989	I	(867)	International Research and Research Training	1(GG010661-01)	Columbia University Trustees	
93.989	I	(1)	International Research and Research Training	1003185-UNC	Oregon Health and Science University	
93.989	I	46,765	International Research and Research Training	60049839 UNC	Northwestern University	
93.989	I	22,903	International Research and Research Training	A03-0372	Duke University	
93.989	I	(4,583)	International Research and Research Training	N/A	Vanderbilt University Medical Center	
93.989	I	37,443	International Research and Research Training	S005253	Stellenbosch University	
93.989	I	2,627	International Research and Research Training	VUMC 34750	Vanderbilt University Medical Center	
93.989	I	(15,000)	International Research and Research Training	VUMC 38480	Vanderbilt University Medical Center	
93.989	I	22,567	International Research and Research Training	VUMC66317	Vanderbilt University Medical Center	
93.RD	D	726,658	U. S. Department of Health and Human Services			A09-0420-013
93.RD	D	2,681	U. S. Department of Health and Human Services			A09-1582-001
93.RD	D	(3)	U. S. Department of Health and Human Services			A12-1605-001
93.RD	D	1,894,483	U. S. Department of Health and Human Services			A13-1294-001
93.RD	D	168,622	U. S. Department of Health and Human Services			A14-0502-001
93.RD	D	36,382	U. S. Department of Health and Human Services			A15-1261-001
93.RD	D	8,443	U. S. Department of Health and Human Services			A15-1694-002
93.RD	D	6,288	U. S. Department of Health and Human Services			A16-0111-003
93.RD	D	31,487	U. S. Department of Health and Human Services			A16-0111-004
93.RD	D	621,448	U. S. Department of Health and Human Services			A16-0475-001
93.RD	D	60,419	U. S. Department of Health and Human Services			A17-0524-002
93.RD	D	706,205	U. S. Department of Health and Human Services			A17-0674-001
93.RD	D	636,109	U. S. Department of Health and Human Services			A17-0674-003
93.RD	D	1,251,010	U. S. Department of Health and Human Services			A17-0674-004
93.RD	D	1,237,625	U. S. Department of Health and Human Services			A17-0674-007
93.RD	D	1,064,666	U. S. Department of Health and Human Services			A17-0687-001
93.RD	D	15,848	U. S. Department of Health and Human Services			A17-0873-001
93.RD	D	7,055	U. S. Department of Health and Human Services			A17-0979-001
93.RD	D	46,578	U. S. Department of Health and Human Services			A17-1569-001
93.RD	D	416	U. S. Department of Health and Human Services			A17-1652-001
93.RD	D	2,837	U. S. Department of Health and Human Services			A17-1671-001
93.RD	D	41,524	U. S. Department of Health and Human Services			A18-0398-001
93.RD	D	97,201	U. S. Department of Health and Human Services			A18-0821-001
93.RD	D	6,515	U. S. Department of Health and Human Services			A18-1016-001
93.RD	D	16,459	U. S. Department of Health and Human Services			A18-1056-001
93.RD	D	142,211	U. S. Department of Health and Human Services			A18-1166-001
93.RD	D	364,752	U. S. Department of Health and Human Services			A18-1208-001
93.RD	D	48,352	U. S. Department of Health and Human Services			A18-1218-001
93.RD	D	47,667	U. S. Department of Health and Human Services			A18-1224-001
93.RD	D	77,581	U. S. Department of Health and Human Services			A18-1238-001
93.RD	D	6,243	U. S. Department of Health and Human Services			A19-0143-001
93.RD	D	17,247	U. S. Department of Health and Human Services			A19-0239-001
93.RD	D	2,192,493	U. S. Department of Health and Human Services			A19-0308-001
93.RD	D	30,459	U. S. Department of Health and Human Services			A19-0408-001
93.RD	D	117,026	U. S. Department of Health and Human Services			A19-0439-001
93.RD	D	394,616	U. S. Department of Health and Human Services			A19-0561-001
93.RD	D	63,946	U. S. Department of Health and Human Services			A19-0580-001
93.RD	D	153,538	U. S. Department of Health and Human Services			A19-0625-001
93.RD	D	1,442,615	U. S. Department of Health and Human Services			A19-0650-001
93.RD	D	5,344	U. S. Department of Health and Human Services			A19-0731-001
93.RD	D	92,845	U. S. Department of Health and Human Services			A19-0982-001
93.RD	D	9,132	U. S. Department of Health and Human Services			A19-1377-001
93.RD	D	-	U. S. Department of Health and Human Services			A98-0196-001
93.RD	I	90,189	U. S. Department of Health and Human Services	0000865654	Fred Hutchinson Cancer Research Center	A16-1238-006
93.RD	I	41,465	U. S. Department of Health and Human Services	0000865654	Fred Hutchinson Cancer Research Center	A16-1238-009
93.RD	I	5,822	U. S. Department of Health and Human Services	000500918-T011-007	University of Alabama at Birmingham	A17-1402-001
93.RD	I	2,284	U. S. Department of Health and Human Services	000500918-T013-008	University of Alabama at Birmingham	A17-1321-002
93.RD	I	6,271	U. S. Department of Health and Human Services	000500918-T013-008	University of Alabama at Birmingham	A17-1321-003
93.RD	I	140,913	U. S. Department of Health and Human Services	000524050-T006-005	University of Alabama at Birmingham	A18-1392-001
93.RD	I	27,695	U. S. Department of Health and Human Services	00741-PSC-CW CURRICU	JBS International Inc.	A17-0579-001
93.RD	I	24,275	U. S. Department of Health and Human Services	0412400001	American Institutes for Research (AIR)	A17-0785-001
93.RD	I	1,917	U. S. Department of Health and Human Services	1-312-0214460-51905L	Research Triangle Institute (RTI Interna)	A15-0705-001

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93.RD	I	42,550	U. S. Department of Health and Human Services	1-312-0214491-51947L	Research Triangle Institute (RTI Interna)	A15-1169-001
93.RD	I	13,239	U. S. Department of Health and Human Services	1-312-0214531-52014L	Research Triangle Institute (RTI Interna)	A15-1368-001
93.RD	I	8,933	U. S. Department of Health and Human Services	1-312-0214643-52054L	Research Triangle Institute (RTI Interna)	A15-1547-001
93.RD	I	7,710	U. S. Department of Health and Human Services	1-312-0216363-65291L	Research Triangle Institute (RTI Interna)	A18-1443-001
93.RD	I	22,206	U. S. Department of Health and Human Services	1-340-0216681-65421L	Research Triangle Institute (RTI Interna)	A19-0889-001
93.RD	I	33,171	U. S. Department of Health and Human Services	10-16385-99-01-02	H Lee Moffitt Cancer and Research Instit	A06-1465-001
93.RD	I	3,808	U. S. Department of Health and Human Services	10-312-0213462-52100	Research Triangle Institute (RTI Interna)	A15-1561-001
93.RD	I	12,644	U. S. Department of Health and Human Services	10-312-0213618-52723	Research Triangle Institute (RTI Interna)	A17-0759-002
93.RD	I	17,114	U. S. Department of Health and Human Services	1001837485	University of Iowa	A17-1577-001
93.RD	I	76,892	U. S. Department of Health and Human Services	1004354-002-UNC	Oregon Health and Science University	A18-0682-001
93.RD	I	3,522	U. S. Department of Health and Human Services	11.11.09	DARTNet Institute	A16-1256-003
93.RD	I	3,472	U. S. Department of Health and Human Services	11.11.09	DARTNet Institute	A16-1256-004
93.RD	I	47,054	U. S. Department of Health and Human Services	12XS457	Leidos Biomedical Research	A13-1195-001
93.RD	I	8,151	U. S. Department of Health and Human Services	13-312-0214643-52776	Research Triangle Institute (RTI Interna)	A17-0659-001
93.RD	I	(1,687)	U. S. Department of Health and Human Services	13XS093	SAIC-Frederick, Inc.	A13-1196-001
93.RD	I	45,217	U. S. Department of Health and Human Services	15-312-0214643-52624	Research Triangle Institute (RTI Interna)	A17-0718-001
93.RD	I	12,436	U. S. Department of Health and Human Services	16-2910/PO2000005316	University of South Carolina (USC)	A16-1915-001
93.RD	I	13,849	U. S. Department of Health and Human Services	16-312-0214448-52718	Research Triangle Institute (RTI Interna)	A17-1592-001
93.RD	I	1,377	U. S. Department of Health and Human Services	16-312-0214643-52634	Research Triangle Institute (RTI Interna)	A16-1848-002
93.RD	I	2,773	U. S. Department of Health and Human Services	16-312-0214643-52634	Research Triangle Institute (RTI Interna)	A16-1848-003
93.RD	I	3,450,616	U. S. Department of Health and Human Services	16X250	Leidos Biomedical Research	A17-0747-001
93.RD	I	18,642	U. S. Department of Health and Human Services	17-312-0214643-52761	Research Triangle Institute (RTI Interna)	A17-1054-001
93.RD	I	170,359	U. S. Department of Health and Human Services	17X011	Leidos Biomedical Research	A17-1423-001
93.RD	I	43,422	U. S. Department of Health and Human Services	19-312-0214780-65388	Research Triangle Institute (RTI Interna)	A19-0585-001
93.RD	I	405,039	U. S. Department of Health and Human Services	20-312-0214643-65059	Research Triangle Institute (RTI Interna)	A18-0619-001
93.RD	I	443	U. S. Department of Health and Human Services	200-2016-92145-SK01	Kama LLC	A17-0772-003
93.RD	I	12,400	U. S. Department of Health and Human Services	201316	Duke University	A18-0833-001
93.RD	I	78,536	U. S. Department of Health and Human Services	2017.707.001UNC	AcademyHealth	A18-0395-001
93.RD	I	209,657	U. S. Department of Health and Human Services	2017.707.001UNC	AcademyHealth	A18-0395-003
93.RD	I	23,590	U. S. Department of Health and Human Services	203-7902	Duke University	A18-1631-001
93.RD	I	729	U. S. Department of Health and Human Services	203-8492	Duke University	A17-1112-001
93.RD	I	639	U. S. Department of Health and Human Services	203-8758	Duke University	A15-1723-002
93.RD	I	9,229	U. S. Department of Health and Human Services	2036749/ 200-2012-53	Duke University	A18-0620-001
93.RD	I	35,942	U. S. Department of Health and Human Services	2038152	Duke University	A16-1108-001
93.RD	I	22,380	U. S. Department of Health and Human Services	210424	Duke University	A17-0735-001
93.RD	I	903	U. S. Department of Health and Human Services	218090	Duke University	A17-0734-001
93.RD	I	385	U. S. Department of Health and Human Services	218092	Duke University	A17-1711-001
93.RD	I	750	U. S. Department of Health and Human Services	226749	Duke University	A18-1627-001
93.RD	I	187,540	U. S. Department of Health and Human Services	23-312-0214643-65236	Research Triangle Institute (RTI Interna)	A18-1213-001
93.RD	I	87,822	U. S. Department of Health and Human Services	233311	Duke University	A18-0620-002
93.RD	I	4,583	U. S. Department of Health and Human Services	235432	Duke University	A11-1616-001
93.RD	I	138,686	U. S. Department of Health and Human Services	25-312-0214643-65338	Research Triangle Institute (RTI Interna)	A19-0420-001
93.RD	I	32,710	U. S. Department of Health and Human Services	30017-87-381	La Jolla Institute for Allergy and Immun	A15-1256-004
93.RD	I	27,786	U. S. Department of Health and Human Services	30018-87-381	La Jolla Institute for Allergy and Immun	A15-1256-005
93.RD	I	20,372	U. S. Department of Health and Human Services	330334	Wake Forest University	A16-1845-003
93.RD	I	33,478	U. S. Department of Health and Human Services	330336	Wake Forest University	A16-1845-005
93.RD	I	10,913	U. S. Department of Health and Human Services	383-9754	Duke University	A16-1814-001
93.RD	I	2,196	U. S. Department of Health and Human Services	3836242/26028	Duke University	A16-1325-001
93.RD	I	(2,495)	U. S. Department of Health and Human Services	4-312-0215034-52774L	Research Triangle Institute (RTI Interna)	A17-1115-001
93.RD	I	23,585	U. S. Department of Health and Human Services	400069	RAND Corporation	A17-0650-001
93.RD	I	94,938	U. S. Department of Health and Human Services	430429	University of Arizona	A17-1737-001
93.RD	I	286,731	U. S. Department of Health and Human Services	48845	Abt Associates, Inc.	A18-1160-001
93.RD	I	257,193	U. S. Department of Health and Human Services	5-312-0214643-52341L	Research Triangle Institute (RTI Interna)	A16-1520-001
93.RD	I	24,173	U. S. Department of Health and Human Services	5-312-0215034-65189L	Research Triangle Institute (RTI Interna)	A18-1358-001
93.RD	I	23,448	U. S. Department of Health and Human Services	5001441	Women and Infants Hospital of Rhode Island	A19-0310-001
93.RD	I	4,526	U. S. Department of Health and Human Services	6-312-0213462-51685L	Research Triangle Institute (RTI Interna)	A14-1067-001
93.RD	I	33,422	U. S. Department of Health and Human Services	6-312-0214780-52373L	Research Triangle Institute (RTI Interna)	A16-1228-001
93.RD	I	55,572	U. S. Department of Health and Human Services	66102700414-04UNC-MM	University of Mississippi Medical Center	A13-1648-005
93.RD	I	32,053	U. S. Department of Health and Human Services	66111340819-01	University of Mississippi Medical Center	A19-0375-001
93.RD	I	113,787	U. S. Department of Health and Human Services	66111350819-11	University of Mississippi Medical Center	A19-0598-001
93.RD	I	56,113	U. S. Department of Health and Human Services	6632.01-S02	Westat, Inc.	A19-0974-001
93.RD	I	9,510	U. S. Department of Health and Human Services	7-312-0213462-51692L	Research Triangle Institute (RTI Interna)	A14-1068-001

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93.RD	I	23,150	U. S. Department of Health and Human Services	7-312-0213618-52523L	Research Triangle Institute (RTI Interna)	A16-0775-003
93.RD	I	632	U. S. Department of Health and Human Services	8-312-0213462-51887L	Research Triangle Institute (RTI Interna)	A14-1720-001
93.RD	I	(643)	U. S. Department of Health and Human Services	8-312-0214077-51973L	Research Triangle Institute (RTI Interna)	A15-0970-001
93.RD	I	(594)	U. S. Department of Health and Human Services	888-11-16-04	Research Triangle Institute (RTI Interna)	A13-0932-001
93.RD	I	(1)	U. S. Department of Health and Human Services	888-11-16-04/1-312-0	Research Triangle Institute (RTI Interna)	A13-1333-001
93.RD	I	237	U. S. Department of Health and Human Services	C000607913	Research Triangle Institute (RTI Interna)	A16-1389-001
93.RD	I	7,286	U. S. Department of Health and Human Services	CRB-SSS-S-15-004559	Social and Scientific Systems (S3), Inc.	A16-1847-001
93.RD	I	313,019	U. S. Department of Health and Human Services	EA1151	ECOG-ACRIN Cancer Research Group	A18-0567-001
93.RD	I	23,382	U. S. Department of Health and Human Services	EA4151	ECOG-ACRIN Cancer Research Group	A18-0655-001
93.RD	I	239,674	U. S. Department of Health and Human Services	FPNTCUNCY2	John Snow, Inc. (JSI)	A18-0702-001
93.RD	I	543,020	U. S. Department of Health and Human Services	FPNTCUNCY3	John Snow, Inc. (JSI)	A19-0318-001
93.RD	I	10,692	U. S. Department of Health and Human Services	FY2016-089-M1	University Of Kansas	A16-0994-002
93.RD	I	22,073	U. S. Department of Health and Human Services	GEP/17/04	International Agency for Research on Can	A17-1676-001
93.RD	I	(4,354)	U. S. Department of Health and Human Services	HHSA290201500007I	Kaiser Foundation Research Institute	A16-1721-001
93.RD	I	2,461	U. S. Department of Health and Human Services	HHSN-23551801000003I	Duke University Clinical Research Instit	A19-0998-001
93.RD	I	15,222	U. S. Department of Health and Human Services	HHSP233201500059I	Manpower Demonstration Research Corporation	A17-1024-001
93.RD	I	15,999	U. S. Department of Health and Human Services	M114S01F1-NU2GGH002I	Centre for Infectious Disease Research	A19-1340-001
93.RD	I	(1)	U. S. Department of Health and Human Services	N/A	250Glycan Therapeutics, Inc.	A16-0917-001
93.RD	I	22,648	U. S. Department of Health and Human Services	N/A	250Glycan Therapeutics, Inc.	A16-0917-003
93.RD	I	74,226	U. S. Department of Health and Human Services	N/A	Alliant Health Solutions (AHS)	A17-1447-005
93.RD	I	9,982	U. S. Department of Health and Human Services	N/A	Association of Maternal and Child Health	A16-1421-001
93.RD	I	286,422	U. S. Department of Health and Human Services	N/A	Brigham and Women's Hospital	A10-1773-001
93.RD	I	90,004	U. S. Department of Health and Human Services	N/A	Brigham and Women's Hospital	A10-1776-001
93.RD	I	53,312	U. S. Department of Health and Human Services	N/A	Cell Microsystems, Inc.	A18-1480-001
93.RD	I	5,155	U. S. Department of Health and Human Services	N/A	Community Care of North Carolina (CCNC)	A18-0688-001
93.RD	I	152,570	U. S. Department of Health and Human Services	N/A	Directors of Health Promotion and Educat	A09-0654-001
93.RD	I	9,219	U. S. Department of Health and Human Services	N/A	Duke University	A19-1075-001
93.RD	I	166,337	U. S. Department of Health and Human Services	N/A	Georgia Medical Care Foundation, Inc.	A17-1447-003
93.RD	I	4,558	U. S. Department of Health and Human Services	N/A	H Lee Moffitt Cancer and Research Instit	A10-0873-001
93.RD	I	13,756	U. S. Department of Health and Human Services	N/A	MCD Public Health	A19-0716-001
93.RD	I	867,185	U. S. Department of Health and Human Services	N/A	MacroGenics, Inc.	A16-1013-001
93.RD	I	(22,633)	U. S. Department of Health and Human Services	N/A	MacroGenics, Inc.	A16-1938-001
93.RD	I	644	U. S. Department of Health and Human Services	N/A	SAIC-Frederick, Inc.	A09-1228-001
93.RD	I	15,892	U. S. Department of Health and Human Services	PHR-SSS-S-18-005487	Social and Scientific Systems (S3), Inc.	A19-0899-001
93.RD	I	554,032	U. S. Department of Health and Human Services	PO15001683	Family Health International	A15-1720-001
93.RD	I	(3,559)	U. S. Department of Health and Human Services	S150202	Avram Corporation	A15-1042-001
93.RD	I	51,338	U. S. Department of Health and Human Services	T930446	Emory University (EU)	A18-0690-001
93.RD	I	(4,937)	U. S. Department of Health and Human Services	X13-1092/PO13ST1361A	SAIC-Frederick, Inc.	A13-1505-001
93.RD	I	100,882	U. S. Department of Health and Human Services	X17346M/X17346N	Leidos Biomedical Research	A17-1595-001
94.019	I	4	Social Innovation Fund	N/A	New Profit, Inc	
96.RD	I	352,358	Social Security Administration	6464-S-NC01-001	Westat, Inc.	A18-0543-001
97.044	D	20,662	Assistance to Firefighters Grant			
97.061	D	2,812,665	Centers for Homeland Security			
97.077	D	117,250	Homeland Security Research, Development, Testing, Evaluation, and Demonstration of Technologies Related to Nuclear Threat Detection			
97.122	D	922,393	Bio-Preparedness Collaboratory			
98.001	D	52,886,921	USAID Foreign Assistance for Programs Overseas			
98.001	I	457,590	USAID Foreign Assistance for Programs Overseas	102137.001.004.003.	Family Health International	
98.001	I	45,119	USAID Foreign Assistance for Programs Overseas	102137.001.004.003.0	Family Health International	
98.001	I	44,381	USAID Foreign Assistance for Programs Overseas	4-340-0216030-65235L	Research Triangle Institute (RTI Interna)	
98.001	I	13,759	USAID Foreign Assistance for Programs Overseas	FPC-19-021	United States Pharmacopeia Convention	
98.001	I	8,995	USAID Foreign Assistance for Programs Overseas	N/A	Baylor College of Medicine	
98.001	I	(4,500)	USAID Foreign Assistance for Programs Overseas	N/A	Engility Corporation	
98.001	I	880,634	USAID Foreign Assistance for Programs Overseas	SH1422	Population Council	
98.012	I	1	USAID Development Partnerships for University Cooperation and Development	N/A	Higher Education for Development (HED)	
98.RD	D	1	United States Agency for International Development			A09-0394-001
98.RD	D	399,163	United States Agency for International Development			A13-1348-001
98.RD	D	3,557,603	United States Agency for International Development			A14-1017-001
98.RD	D	790,213	United States Agency for International Development			A19-0401-001
98.RD	I	219,512	United States Agency for International Development	100303/W0936	Family Health International	A14-1557-001
98.RD	I	92,084	United States Agency for International Development	2000010391	National Academy of Sciences	A19-1129-001
98.RD	I	(1,583)	United States Agency for International Development	6015-S03	Westat, Inc.	A13-0344-001

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98.RD	I	255,021	United States Agency for International Development	7554.UNC-CH.01	National Opinion Research Center (NORC)	A18-1242-001
98.RD	I	965,793	United States Agency for International Development	MAPS1-17-073	Eastern Virginia Medical School	A17-1193-001
98.RD	I	(868)	United States Agency for International Development	N/A	Right to Care	A17-1436-001
		<u>923,944,575</u>	University of North Carolina at Chapel Hill			
University of North Carolina at Charlotte						
10.212	I	969	Small Business Innovation Research	NDT-0001	Nanodiagnostic Technology, LLC	
10.652	D	2,785	Forestry Research			
10.762	D	26,128	Solid Waste Management Grants			
10.U05	I	9,562	U. S. Department of Agriculture			Oral History Reunion at the Cradle
10.U06	D	18,762	U. S. Department of Agriculture			Development and Operation of the We
11.478	D	17,128	Center for Sponsored Coastal Ocean Research Coastal Ocean Program			
11.609	D	48,814	Measurement and Engineering Research and Standards			
11.619	D	12,571	Arrangements for Interdisciplinary Research Infrastructure			
12.002	I	3,862	Procurement Technical Assistance For Business Firms	UNC-C 2017 - 2 (DLA)	Small Business and Technology Development Center	
12.002	I	26,625	Procurement Technical Assistance For Business Firms	UNC-C 2018-2 (DLA)	Small Business and Technology Development Center	
12.300	D	640,645	Basic and Applied Scientific Research			
12.300	I	28,894	Basic and Applied Scientific Research	421-23-03A	Iowa State University	
12.300	I	42,263	Basic and Applied Scientific Research	503365-78050	Northeastern University	
12.420	D	189,167	Military Medical Research and Development			
12.420	I	65,772	Military Medical Research and Development	7137164	Rhode Island Hospital	
12.431	D	875,927	Basic Scientific Research			
12.630	D	1,011,808	Basic, Applied, and Advanced Research in Science and Engineering			
12.630	I	17,041	Basic, Applied, and Advanced Research in Science and Engineering	19-871-022	National Science Teachers Association	
12.630	I	28,384	Basic, Applied, and Advanced Research in Science and Engineering	D01-W911SR-14-2-0001-0028	MSI STEM Research & Development Consortium (MSRDC)	
12.800	D	42,816	Air Force Defense Research Sciences Program			
12.902	D	99,489	Information Security Grants			
12.910	D	415,119	Research and Technology Development			
12.910	I	68,215	Research and Technology Development	PO# 4206496155	University of Tennessee	
12.U10	I	9,898	U. S. Department of Defense	TSC-1077-40066	Technology Services Corporation	Development of Rapid Innovation Pro
12.U11	D	274,764	U. S. Department of Defense			Program Manager in Defense Sciences
12.U12	I	120,273	U. S. Department of Defense	2975-2016-0612	Rochester Precision Optics, LLC	STTR: Mid_IR Optic Development
12.U13	I	96,334	U. S. Department of Defense	PO2003292859/96016927 CLIN 6	Johns Hopkins University	MEDE CRA PRI
12.U14	I	1,005	U. S. Department of Defense	PO# R20204-0005	Zapata Inc	Turner AFB Groundwater Model
12.U15	I	83,946	U. S. Department of Defense	PO# 1516925	Boeing Company	Affordable Machining of Components
12.U16	I	30,026	U. S. Department of Defense	1316.GS.UNCC.17.01	TDA Research, Inc.	Rewarming Solutions - Cryopreserved
12.U17	I	9,000	U. S. Department of Defense	16246083-03	University of Central Florida	Phase Filter Design Study
12.U18	I	299,037	U. S. Department of Defense	2975-2017-0678	IRflex Corporation	Visual Analytics on the spread of P
12.U19	I	85,030	U. S. Department of Defense	PO #8000-00112364	Rolls-Royce, PLC	Information Spread and Evolution in
12.U20	I	145,715	U. S. Department of Defense	S-001000	University of California, Riverside	STTR: Development of optical fibers
12.U21	I	57,543	U. S. Department of Defense	P010214138	Leidos Holdings, Inc	Optimization Tools for Machining
12.U22	I	63,259	U. S. Department of Defense	TSC-1190-60000/PO#205402	Technology Services Corporation	Treatment of PFAS from Waste
12.U23	D	21,294	U. S. Department of Defense			EO-CHIL Task Order 01
12.U24	D	19,600	U. S. Department of Defense			Air Force University Engineering
12.U25	I	16,553	U. S. Department of Defense	2975-2018-0811	Nanohmics, Inc.	Secure Coding Workshop
12.U26	I	74,922	U. S. Department of Defense	2975-2018-0900	CDM Smith	Secure Coding Workshop-Participant Stipends
12.U27	I	37,667	U. S. Department of Defense	Dated 08/01/2018	Hyperion Technology Group, Inc.	STTR: IR Scatter of nonlinear optic
12.U28	I	600	U. S. Department of Defense	19-12-82709	Research Foundation of SUNY	Adsorbable Flourine Contents
12.U29	I	61,526	U. S. Department of Defense	598094-78050	Northeastern University	CERDEC Energy Mgmt System Tech Sup
12.U30	I	170,569	U. S. Department of Defense	M67854-17-C-6509	Nanohmics, Inc.	PANACEA: Social Engineering Attacks
12.U31	I	14,506	U. S. Department of Defense	S19001	MZA Associates Corporation	Advancing Warfighter Technologies
12.U32	I	18,884	U. S. Department of Defense	2975-18-0208	NuSpot Technologies, LLC	Light Secure, See-Through Display
12.U33	D	22,738	U. S. Department of Defense			STTR: Semi-Analytic Fresnel Prop
15.506	D	77,351	Water Desalination Research and Development			
16.560	D	155,186	National Institute of Justice Research, Evaluation, and Development Project Grants			
16.562	D	42,289	Criminal Justice Research and Development Graduate Research Fellowships			
16.830	D	108,810	Girls in the Juvenile Justice System			
16.838	I	7,615	Comprehensive Opioid Abuse Site-Based Program	Contract # 34582191	Mecklenburg County	
19.015	I	162,565	Cultural, Technical and Educational Centers	S-ECAGD-17-CA-1053-UNCC-200389	American Councils for International Education	
19.901	I	37,563	Export Control and Related Border Security	FSCX-17-63351-0	U.S. Civilian Research and Development Foundation	
20.701	D	1,411,876	University Transportation Centers Program			
20.701	I	89,944	University Transportation Centers Program	21-1100-5726-UNCC	San Jose State University Research Foundation	

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20.U07	I	95,139	U. S. Department of Transportation	P010213432	Leidos Holdings, Inc	VDOT Statewide Maintenance
43.003	D	91,700	Exploration			
43.U02	I	31,982	National Aeronautics and Space Administration	2975-2018-0679	OptiPro Systems LLC	SBIR: Silicon Carbide Components
43.U03	I	14,592	National Aeronautics and Space Administration	18-7629-03-C1	Universal Technology Corporation	SBIR: Metal Manufacturing
45.129	I	18,454	Promotion of the Humanities Federal/State Partnership	17-33	North Carolina Humanities Council	
45.129	I	11,610	Promotion of the Humanities Federal/State Partnership	17-36	North Carolina Humanities Council	
45.129	I	1,000	Promotion of the Humanities Federal/State Partnership	18-06	North Carolina Humanities Council	
47.041	D	2,013,209	Engineering Grants			
47.041	I	115,128	Engineering Grants	# 416951G	University of Rochester	
47.041	I	36,666	Engineering Grants	2975-2016-0793	Video Collaboratory, LLC	
47.041	I	9,972	Engineering Grants	2975-2018-0843	GAMDAN Optics Inc.	
47.041	I	2,392	Engineering Grants	331236	Nova Southeastern University	
47.041	I	23,725	Engineering Grants	416833-G	University of Rochester	
47.041	I	248,046	Engineering Grants	416952-G	University of Rochester	
47.041	I	51,883	Engineering Grants	417244G	University of Rochester	
47.041	I	56,969	Engineering Grants	417245G	University of Rochester	
47.041	I	3,245	Engineering Grants	417462/URFAO:GR5106330	University of Rochester	
47.041	I	5,754	Engineering Grants	417463/URFAO: GR510865	University of Rochester	
47.041	I	28,990	Engineering Grants	417464 / URFAO: GR106866	University of Rochester	
47.041	I	24,182	Engineering Grants	417465 / URFAO: GR5106867	University of Rochester	
47.041	I	22,766	Engineering Grants	UNCC8789	Western Michigan University	
47.049	D	568,536	Mathematical and Physical Sciences			
47.049	I	9,583	Mathematical and Physical Sciences	[G001686-7500	Southern Methodist University	
47.050	D	220,157	Geosciences			
47.050	I	38,152	Geosciences	1(GG012596)	Trustees of Columbia University in New York City	
47.070	D	2,848,062	Computer and Information Science and Engineering			
47.070	I	6,152	Computer and Information Science and Engineering	15639	Wichita State University	
47.070	I	3,346	Computer and Information Science and Engineering	RD199-G2 / CNS-1228352	Georgia Institute of Technology	
47.074	D	1,371,470	Biological Sciences			
47.074	I	151	Biological Sciences	14-2657/PO 2000004359	University of South Carolina	
47.075	D	715,089	Social, Behavioral, and Economic Sciences			
47.075	I	37,589	Social, Behavioral, and Economic Sciences	2017-27	Davidson College	
47.076	D	2,541,408	Education and Human Resources			
47.076	I	18,392	Education and Human Resources	10000803-004	Purdue University	
47.076	I	13,726	Education and Human Resources	18-0072	University of Arizona	
47.076	I	3,048	Education and Human Resources	Grant # 1533627	Morehouse College	
47.U02	D	148,875	National Science Foundation			IPA - Program Manager
47.U03	D	99,377	National Science Foundation			IPA assignment with NSF
59.037	I	218,595	Small Business Development Centers	UNC-C 2018-1 (SBA)	Small Business and Technology Development Center	
59.037	I	98,177	Small Business Development Centers	UNC-C 2019-1 SBA	Small Business and Technology Development Center	
64.U01	D	2,544	U. S. Department of Veterans Affairs			IPA Agreement-Further Implementatio
81.086	D	82,880	Conservation Research and Development			
81.086	I	24,662	Conservation Research and Development	2016-0802	Envision Charlotte	
81.087	I	79,683	Renewable Energy Research and Development	10001630/DE-FOA-0000856	EPRI (Electric Power Institute Inc	
81.087	I	104,705	Renewable Energy Research and Development	207BIR606	Portland State University	
81.121	I	1,320	Nuclear Energy Research, Development and Demonstration	17-3304/PO# 2000032066	University of South Carolina	
81.135	I	64,483	Advanced Research Projects Agency - Energy	5645-UNCC-EARPA-0801	Pennsylvania State University	
81.U07	I	42,276	U. S. Department of Energy	309507	Brookhaven Science Associates, LLC	Support for Development of AIERCI
81.U08	I	45,702	U. S. Department of Energy	1879-205-2011567	Clemson University	Securing American Manufacturing
81.U09	I	25,762	U. S. Department of Energy	B621419	Lawrence Livermore Nat'l Lab	Deception Detection in Social Media
81.U10	I	10,530	U. S. Department of Energy	Task 4300104099 BOA 4100000316	Consolidated Nuclear Security, LLC	CAPER PD-1 Critical Infrastructure
81.U11	I	100,129	U. S. Department of Energy	380698	Battelle Memorial Institute	Increasing Distribution System
81.U12	I	27,228	U. S. Department of Energy	390587	Battelle Memorial Institute	Surface Topography Measurements
81.U13	I	59,217	U. S. Department of Energy	195684	Battelle Energy Alliance LLC	LDRD 18A12-132FP IN FY18
81.U14	I	44,952	U. S. Department of Energy	398387	Battelle Memorial Institute	Communication Bridge
81.U15	I	161,814	U. S. Department of Energy	PO Number N000270917	Honeywell Federal Manufacturing & Technologies, LLC	Non-Contact Dimensional Inspection
81.U16	I	467,635	U. S. Department of Energy	PO# 4300152826	Consolidated Nuclear Security, LLC	SAM Task Order #430015826
81.U17	I	44,868	U. S. Department of Energy	PO# 4300154707	Consolidated Nuclear Security, LLC	Modulated Tool-Path Chip Breaking
81.U18	D	14,118	U. S. Department of Energy			Trusting Machine Learning
81.U19	I	35,911	U. S. Department of Energy	B632084	Lawrence Livermore Nat'l Lab	Surface Finish Measurement in X-Ray
81.U20	I	77,094	U. S. Department of Energy	PO # N000294867	Honeywell Federal Manufacturing & Technologies, LLC	Non-Contact Dimensional Inspection
81.U21	I	44,158	U. S. Department of Energy	4000168055	UT-Battelle, LLC	Coordinated Control and Stability

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81.U22	I	46,379	U. S. Department of Energy	B630948	Lawrence Livermore Nat'l Lab	In-process turning metrology and da
81.U23	I	19,676	U. S. Department of Energy	4000169978	UT-Battelle, LLC	Distributed Voltage Control
84.007	D	854,784	Federal Supplemental Educational Opportunity Grants			
84.033	D	1,076,410	Federal Work-Study Program			
84.063	D	44,222,468	Federal Pell Grant Program			
84.200	D	178,047	Graduate Assistance in Areas of National Need			
84.268	D	132,935,953	Federal Direct Student Loans			
84.305	D	41,786	Education Research, Development and Dissemination			
84.305	I	1,671	Education Research, Development and Dissemination	43221	University of Delaware	
84.305	I	33,384	Education Research, Development and Dissemination	Agmt dated 02/20/2017	Assoc of Public and Land Grant Universities (APLU)	
84.324	D	91	Research in Special Education			
84.324	I	327	Research in Special Education	224311A	University of Oregon	
84.324	I	56,962	Research in Special Education	FY2018-077	University of Kansas	
84.324	I	128,047	Research in Special Education	FY2019-001	University of Kansas	
84.324	I	33,586	Research in Special Education	FY2019-013	University of Kansas Center for Research Inc	
84.324	I	44,460	Research in Special Education	S-000828	University of California, Riverside	
84.325	D	784,583	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities			
84.326	D	3,121,470	Special Education Technical Assistance and Dissemination to Improve Services and Results for Children with Disabilities			
84.326	I	212,007	Special Education Technical Assistance and Dissemination to Improve Services and Results for Children with Disabilities	A006557004	University of Minnesota	
84.367	I	810	Supporting Effective Instruction State Grants (formerly Improving Teacher Quality State Grants)	92-NC08-SEED2017-CRWPPD	National Writing Project Corporation	
84.367	I	7,267	Supporting Effective Instruction State Grants (formerly Improving Teacher Quality State Grants)	92-NC08-SEED2017-ILI	National Writing Project Corporation	
84.U04	I	25,899	U. S. Department of Education	2975-2019-0144	Attainment Company Inc / IEP Resources	SBIR: GoWrite Duns (028855716)
93.070	I	43,034	Environmental Public Health and Emergency Response	2017-333 / 2016-361	Gaston County Department of Health	
93.070	I	32,155	Environmental Public Health and Emergency Response	2018-439	Gaston County Department of Health	
93.113	I	4,179	Environmental Health	PO# 1001105196	Regents of University of Colorado	
93.124	D	28,569	Nurse Anesthetist Traineeship			
93.155	I	60,510	Rural Health Research Centers	3200002175-19-153	University of Kentucky Research Foundation	
93.155	I	6,958	Rural Health Research Centers	3200002175-19-186	University of Kentucky Research Foundation	
93.155	I	54,174	Rural Health Research Centers	PO#78000004013	University of Kentucky Research Foundation	
93.172	D	195,684	Human Genome Research			
93.213	I	19,725	Research and Training in Complementary and Integrative Health	UFDSP00010627	University of Florida	
93.226	I	18,243	Research on Healthcare Costs, Quality and Outcomes	WFUHS 118148	Wake Forest University Health Science	
93.273	D	1,720	Alcohol Research Programs			
93.276	I	12,000	Drug-Free Communities Support Program Grants	2975-2018-0377	Center for Prevention Services	
93.310	D	53,994	Trans-NIH Research Support			
93.351	I	99,037	Research Infrastructure Programs	18-SUBC-440-0000392244	Smithsonian Institution	
93.389	D	255,325	National Center for Research Resources			
93.393	D	441,508	Cancer Cause and Prevention Research			
93.393	I	10,956	Cancer Cause and Prevention Research	2975-17-0453	Dualogics, LLC	
93.393	I	14,633	Cancer Cause and Prevention Research	2975-2019-0371	Radiant Creative Group, LLC	
93.393	I	162	Cancer Cause and Prevention Research	UFDSP00011092	University of Florida	
93.394	I	50,477	Cancer Detection and Diagnosis Research	RC108375UNC	Michigan State University	
93.395	D	154,427	Cancer Treatment Research			
93.395	I	199,037	Cancer Treatment Research	2037365	Duke University	
93.396	D	112,145	Cancer Biology Research			
93.433	I	8,781	ACL National Institute on Disability, Independent Living, and Rehabilitation Research	PO# WA00768510	University of Massachusetts	
93.732	D	438,861	Mental and Behavioral Health Education and Training Grants			
93.738	I	14,800	PPHF: Racial and Ethnic Approaches to Community Health Program financed solely by Public Prevention and Health Funds	PO# 2018279	Cabarrus Health Alliance	
93.837	D	309,876	Cardiovascular Diseases Research			
93.838	D	170,325	Lung Diseases Research			
93.846	D	6,222	Arthritis, Musculoskeletal and Skin Diseases Research			
93.847	D	5,585	Diabetes, Digestive, and Kidney Diseases Extramural Research			
93.847	I	116,673	Diabetes, Digestive, and Kidney Diseases Extramural Research	VUMC 62470	Vanderbilt University	
93.853	D	88,382	Extramural Research Programs in the Neurosciences and Neurological Disorders			
93.853	I	2,265	Extramural Research Programs in the Neurosciences and Neurological Disorders	2117-209-2013228	Clemson University	
93.855	D	133,858	Allergy and Infectious Diseases Research			

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93.855	I	69,879	Allergy and Infectious Diseases Research	0000936572	Fred Hutchinson Cancer Research Center	
93.855	I	23,847	Allergy and Infectious Diseases Research	0000979752	Fred Hutchinson Cancer Research Center	
93.859	D	1,830,615	Biomedical Research and Research Training			
93.859	I	14,342	Biomedical Research and Research Training	2018_006	Bowdoin College	
93.865	D	10,880	Child Health and Human Development Extramural Research			
93.865	I	5,243	Child Health and Human Development Extramural Research	PO # 88167-1/ KFS# 5633480	University of Connecticut	
93.866	D	61,659	Aging Research			
93.866	I	5,200	Aging Research	3003913736/P01AG02940910	University of Michigan	
93.866	I	30,583	Aging Research	PO# PM00495959/SP00012985-01	Georgia State University	
93.925	D	518,073	Scholarships for Health Professions Students from Disadvantaged Backgrounds			
97.083	I	54,619	Staffing for Adequate Fire and Emergency Response (SAFER)	070218	International Association of Fire Chiefs Inc	
97.U01	D	5,633	U. S. Department of Homeland Security			Mobile Security Management Tool
		210,570,514	Total — University of North Carolina at Charlotte			
University of North Carolina at Greensboro						
10.025	D	33,894	Plant and Animal Disease, Pest Control, and Animal Care			
10.172	I	631	Local Food Promotion Program	T-12330	City of Greensboro	
10.253	D	13,180	Consumer Data and Nutrition Research			
10.310	D	568,796	Agriculture and Food Research Initiative (AFRI)			
10.310	I	54,303	Agriculture and Food Research Initiative (AFRI)	2027-207-2012546	Clemson University	
12.420	D	2,725	Military Medical Research and Development			
12.431	D	313,450	Basic Scientific Research			
12.901	I	15,517	Mathematical Sciences Grants	19-001	Elon University	
14.900	I	28,048	Lead-Based Paint Hazard Control in Privately-Owned Housing	T-14816	City of Greensboro	
16.123	I	7,578	Community-Based Violence Prevention Program	F-205848	City of Fayetteville	
16.609	I	9,636	Project Safe Neighborhoods	Contract#2017-5010	Greensboro Police Department	
43.007	D	32,762	Space Operations			
45.129	I	1,614	Promotion of the Humanities Federal/State Partnership	18-22	North Carolina Humanities Council	
45.129	I	1,696	Promotion of the Humanities Federal/State Partnership	S13-27	North Carolina Humanities Council	
45.160	D	3,012	Promotion of the Humanities Fellowships and Stipends			
45.161	I	11,527	Promotion of the Humanities Research	NMU 2016-001	Northern Michigan University	
45.312	I	19,381	National Leadership Grants	20180239	Blackfeet Community College	
45.313	D	89,159	Laura Bush 21st Century Librarian Program			
47.041	D	148,637	Engineering Grants			
47.041	I	25,015	Engineering Grants	087442-16573	Univ of Illinois at Urbana-Champaign	
47.041	I	151,482	Engineering Grants	RG314-G2	Georgia Tech	
47.049	D	179,315	Mathematical and Physical Sciences			
47.049	I	15,134	Mathematical and Physical Sciences	F-205807	American Statistical Association	
47.049	I	5,054	Mathematical and Physical Sciences	OXY-CURM0015	Occidental College	
47.050	D	361	Geosciences			
47.070	D	224,828	Computer and Information Science and Engineering			
47.070	I	15,259	Computer and Information Science and Engineering	0008957-1000071879/6	Howard University	
47.074	I	7,655	Biological Sciences	564K336	University of Wisconsin-Madison	
47.074	I	83,466	Biological Sciences	UTA18-001150	University of Texas at Austin	
47.075	D	85,183	Social, Behavioral, and Economic Sciences			
47.075	I	2,238	Social, Behavioral, and Economic Sciences	Subaward 0012090A	University of Texas Hth Science Center	
47.076	D	670,770	Education and Human Resources			
47.076	I	41,698	Education and Human Resources	25-6238-0826-003	University of Nebraska Lincoln	
47.076	I	37,187	Education and Human Resources	65623-Z4772002	University of Maryland	
47.076	I	98,499	Education and Human Resources	C00056306-1	University of Missouri	
47.076	I	71,367	Education and Human Resources	DRL-1502755	Michigan State University	
47.076	I	81,293	Education and Human Resources	RC107583UNCG	Michigan State University	
47.076	I	8,341	Education and Human Resources	UNC-G 10114	Western Michigan University	
84.007	D	952,550	Federal Supplemental Educational Opportunity Grants			
84.031	D	35,850	Higher Education Institutional Aid			
84.033	D	636,168	Federal Work-Study Program			
84.038	D	3,788,838	Federal Perkins Loan Program Federal Capital Contributions			
84.042	D	330,722	TRIO Student Support Services			
84.063	D	40,937,879	Federal Pell Grant Program			
84.160	I	7,000	Training Interpreters for Individuals who are Deaf and Individuals who are Deaf-Blind	F-205857	St. Catherine University	
84.217	D	207,087	TRIO McNair Post-Baccalaureate Achievement			

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84.268	D	99,516,955	Federal Direct Student Loans			
84.305	D	1,127,492	Education Research, Development and Dissemination			
84.305	I	46,624	Education Research, Development and Dissemination	2014-00953-01-03-739	University of Illinois	
84.305	I	26,454	Education Research, Development and Dissemination	WFUHS 114266	Wake Forest University Health Sciences	
84.325	D	636,232	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities			
84.325	I	38,705	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities	UNCG 88404A 18/19	Salus University	
84.326	I	278,716	Special Education Technical Assistance and Dissemination to Improve Services and Results for Children with Disabilities	A006557003	Regents of the University of Minnesota	
84.336	D	1,361,694	Teacher Quality Partnership Grants			
84.351	I	37,267	Arts in Education	P/O No. 1302 REQ 709	Guilford County Schools	
84.365	D	348,548	English Language Acquisition State Grants			
84.366	I	186,935	Mathematics and Science Partnerships	F-205770	Brunswick County Schools NC	
84.379	D	14,992	Teacher Education Assistance for College and Higher Education Grants (TEACH Grants)			
84.411	I	305,227	Education Innovation and Research (formerly Investing in Innovation (i3) Fund)	1516-013-01	Columbus State Community College	
84.411	I	171,476	Education Innovation and Research (formerly Investing in Innovation (i3) Fund)	511138	Teachers College Columbia University	
84.411	I	4,216	Education Innovation and Research (formerly Investing in Innovation (i3) Fund)	U411B120049	Jobs For The Future	
84.411	I	25,000	Education Innovation and Research (formerly Investing in Innovation (i3) Fund)	U411B120049B	Jobs For The Future	
84.423	I	237,392	Supporting Effective Educator Development Program	PO101183/SUB00001559	University of Florida	
84.U05	D	1,374,406	U. S. Department of Education			209085-ED-ESE-14-C-0131 NI Ctr Homeless Ed
84.U06	I	26,290	U. S. Department of Education	CCRI 2018-2019	Child Care Resources Inc	205841-CCRI-Compent Trainer
89.003	D	32,553	National Historical Publications and Records Grants			
92.U01	D	17,546	National Council on Disability			205790-8-312-0213405-51919L (SBIRT Evaluation)
93.113	D	182,713	Environmental Health			
93.124	D	113,721	Nurse Anesthetist Traineeship			
93.191	D	283,745	Graduate Psychology Education			
93.213	D	382,554	Research and Training in Complementary and Integrative Health			
93.213	I	6,048	Research and Training in Complementary and Integrative Health	BPO10966	University of Washington	
93.213	I	347,174	Research and Training in Complementary and Integrative Health	Subaward#132416 GOO	Washington State University	
93.242	D	147,018	Mental Health Research Grants			
93.242	I	5,105	Mental Health Research Grants	A030528	Duke University	
93.247	D	916,923	Advanced Nursing Education Workforce Grant Program			
93.273	D	787,851	Alcohol Research Programs			
93.273	I	334,800	Alcohol Research Programs	5304-UNC-DHHS-2931	Pennsylvania State University	
93.279	D	406,581	Drug Abuse and Addiction Research Programs			
93.279	I	59,146	Drug Abuse and Addiction Research Programs	261444	Temple University	
93.279	I	5,457	Drug Abuse and Addiction Research Programs	361052-04760-02	Temple University	
93.279	I	18,059	Drug Abuse and Addiction Research Programs	500392-78053	Northeastern University	
93.279	I	33,483	Drug Abuse and Addiction Research Programs	A030242	Duke University	
93.286	D	113,892	Discovery and Applied Research for Technological Innovations to Improve Human Health			
93.395	D	559,483	Cancer Treatment Research			
93.395	I	86,606	Cancer Treatment Research	4500002674	Boston University	
93.395	I	226,333	Cancer Treatment Research	PO1CA125066	Ohio State University	
93.395	I	3,576	Cancer Treatment Research	R15CA192936-UNCG	Campbell University	
93.575	D	11,087	Child Care and Development Block Grant			
93.600	I	67,971	Head Start	F-205782	Guilford Child Development	
93.647	I	24,533	Social Services Research and Demonstration	90PH0025-02-00	Child Trends	
93.647	I	54,751	Social Services Research and Demonstration	90PH0028-01-00	Child Trends	
93.732	D	493,776	Mental and Behavioral Health Education and Training Grants			
93.837	D	94,649	Cardiovascular Diseases Research			
93.837	I	13,778	Cardiovascular Diseases Research	107812557	University of Southern California	
93.847	D	608,638	Diabetes, Digestive, and Kidney Diseases Extramural Research			
93.855	D	381,667	Allergy and Infectious Diseases Research			
93.859	D	538,828	Biomedical Research and Research Training			
93.865	D	1,120,864	Child Health and Human Development Extramural Research			
93.866	D	641,458	Aging Research			
93.928	D	25,715	Special Projects of National Significance			
93.941	D	23,347	HIV Demonstration, Research, Public and Professional Education Projects			
		<u>164,991,835</u>	Total — University of North Carolina at Greensboro			

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University of North Carolina at Pembroke						
10.025	D	96,010	Plant and Animal Disease, Pest Control, and Animal Care			
12.431	D	89,995	Basic Scientific Research			
12.630	D	184,232	Basic, Applied, and Advanced Research in Science and Engineering			
14.228	D	48,990	Community Development Block Grants/State's program and Non-Entitlement Grants in Hawaii			
16.525	D	121,889	Grants to Reduce Domestic Violence, Dating Violence, Sexual Assault, and Stalking on Campus			
17.259	I	527,760	WIOA Youth Activities	44-18-5467-YTH	LRCOG	
47.049	D	21,344	Mathematical and Physical Sciences			
47.076	D	52,840	Education and Human Resources			
84.007	D	395,838	Federal Supplemental Educational Opportunity Grants			
84.033	D	79,617	Federal Work-Study Program			
84.038	D	765,909	Federal Perkins Loan Program Federal Capital Contributions			
84.042	D	267,618	TRIO Student Support Services			
84.063	D	16,989,615	Federal Pell Grant Program			
84.268	D	39,106,910	Federal Direct Student Loans			
84.299	I	631,208	Indian Education -- Special Programs for Indian Children	N/A	Lumbee Land Dev	
84.379	D	11,106	Teacher Education Assistance for College and Higher Education Grants (TEACH Grants)			
84.382	D	424,772	Strengthening Minority-Serving Institutions			
93.859	D	303,193	Biomedical Research and Research Training			
93.926	D	575,715	Healthy Start Initiative			
		<u>60,694,561</u>	Total — University of North Carolina at Pembroke			
University of North Carolina at Wilmington						
10.310	D	211,260	Agriculture and Food Research Initiative (AFRI)			
11.008	I	7,376	NOAA Mission-Related Education Awards	SA 19 17	Consortium for Ocean Leadership Inc	
11.012	I	397,219	Integrated Ocean Observing System (IOOS)	1OOS.16(028)UNCW.LL.OBS.1	SECOORA	
11.012	I	1,943	Integrated Ocean Observing System (IOOS)	IOOS.16(28)UNCW.JD.PRO.1	SECOORA	
11.417	D	58,393	Sea Grant Support			
11.417	I	36,526	Sea Grant Support	2017-2018-012	University of Puerto Rico	
11.419	I	226,548	Coastal Zone Management Administration Awards	3004278672	The University of Michigan	
11.427	D	66,442	Fisheries Development and Utilization Research and Development Grants and Cooperative Agreements Program			
11.432	I	209,171	National Oceanic and Atmospheric Administration (NOAA) Cooperative Institutes	URJ58	Florida Atlantic University	
11.439	D	78,852	Marine Mammal Data Program			
11.463	D	31,522	Habitat Conservation			
11.472	D	665	Unallied Science Program			
11.619	I	93,364	Arrangements for Interdisciplinary Research Infrastructure	PROJECT ID PC 1 0-10	University of Delaware	
11.999	D	168,358	Marine Debris Program			
12.300	D	116,738	Basic and Applied Scientific Research			
15.423	D	823,349	Bureau of Ocean Energy Management (BOEM) Environmental Studies (ES)			
15.663	I	48,323	National Fish and Wildlife Foundation	0104.18.058866	National Fish and Wildlife Foundation	
15.810	D	12,963	National Cooperative Geologic Mapping			
15.945	D	20,043	Cooperative Research and Training Programs - Resources of the National Park System			
16.525	D	11,987	Grants to Reduce Domestic Violence, Dating Violence, Sexual Assault, and Stalking on Campus			
19.408	D	179,224	Academic Exchange Programs - Teachers			
19.501	D	99,149	Public Diplomacy Programs for Afghanistan and Pakistan			
27.011	D	13,005	Intergovernmental Personnel Act (IPA) Mobility Program			
43.001	D	62,152	Science			
45.024	D	8,914	Promotion of the Arts Grants to Organizations and Individuals			
45.024	I	366	Promotion of the Arts Grants to Organizations and Individuals	5542	South Arts	
45.024	I	586	Promotion of the Arts Grants to Organizations and Individuals	5624	South Arts	
47.041	D	8,366	Engineering Grants			
47.049	D	319,626	Mathematical and Physical Sciences			
47.050	D	991,845	Geosciences			
47.050	I	14,971	Geosciences	104030291	University of California at San Diego	
47.050	I	8,006	Geosciences	Agreement 12 12 17	Claflin University	
47.070	D	2,160	Computer and Information Science and Engineering			

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47.074	D	247,849	Biological Sciences			
47.074	I	35,683	Biological Sciences	420-66-08A	Iowa State University	
47.075	D	14,994	Social, Behavioral, and Economic Sciences			
47.075	I	41,274	Social, Behavioral, and Economic Sciences	A17-1027-S001	University of Tennessee	
47.075	I	55,480	Social, Behavioral, and Economic Sciences	ULRF 16-0243-001	University of Louisville Research Fdn Inc	
47.076	D	2,475	Education and Human Resources			
47.076	I	119,320	Education and Human Resources	1463898	University of Maryland	
64.034	D	24,709	VA Grants for Adaptive Sports Programs for Disabled Veterans and Disabled Members of the Armed Forces			
66.456	I	2,768	National Estuary Program	S1702	Barnegat Bay Partnership	
84.007	D	679,400	Federal Supplemental Educational Opportunity Grants			
84.033	D	404,569	Federal Work-Study Program			
84.038	D	3,069,067	Federal Perkins Loan Program Federal Capital Contributions			
84.063	D	19,525,539	Federal Pell Grant Program			
84.268	D	74,056,273	Federal Direct Student Loans			
84.305	I	10,081	Education Research, Development and Dissemination	343-0812	Duke University	
84.379	D	42,092	Teacher Education Assistance for College and Higher Education Grants (TEACH Grants)			
93.113	I	135,048	Environmental Health	2017-001	SeaTox Research Inc	
93.121	I	69,989	Oral Diseases and Disorders Research	2017-3474	University of California	
93.243	I	12,420	Substance Abuse and Mental Health Services Projects of Regional and National Significance	UNCW 03	County of Brunswick	
93.243	I	17,136	Substance Abuse and Mental Health Services Projects of Regional and National Significance	UNCW- SAMHSA-01	County of Brunswick	
93.273	D	85,238	Alcohol Research Programs			
93.273	I	10,930	Alcohol Research Programs	2036469	Duke University	
93.273	I	26,353	Alcohol Research Programs	2037835	Duke University	
93.279	D	57,546	Drug Abuse and Addiction Research Programs			
93.361	I	23,376	Nursing Research	10037474-UNC	University of Utah	
93.516	I	28,879	Public Health Training Centers Program	T657422(T470332)	Emory University	
93.516	I	24,760	Public Health Training Centers Program	T983739	Emory University	
93.847	D	39,200	Diabetes, Digestive, and Kidney Diseases Extramural Research			
93.855	I	2,697	Allergy and Infectious Diseases Research	A18-0078-S001	The Board of Trustees of Illinois State	
93.859	D	79,285	Biomedical Research and Research Training			
93.866	D	160,577	Aging Research			
94.026	I	34,706	National Service and Civic Engagement Research Competition	18-393	Arizona State University	
		<u>103,469,125</u>	Total — University of North Carolina at Wilmington			
Western Carolina University						
10.435	D	101,901	State Mediation Grants			
10.652	D	59,148	Forestry Research			
10.664	D	6,848	Cooperative Forestry Assistance			
10.675	D	5,364	Urban and Community Forestry Program			
10.680	D	39,314	Forest Health Protection			
10.699	D	204,108	Partnership Agreements			
11.303	D	149,906	Economic Development Technical Assistance			
11.469	D	180	Congressionally Identified Awards and Projects			
15.657	D	97,529	Endangered Species Conservation - Recovery Implementation Funds			
15.678	D	19,817	Cooperative Ecosystem Studies Units			
15.945	D	175,049	Cooperative Research and Training Programs - Resources of the National Park System			
16.560	D	38,571	National Institute of Justice Research, Evaluation, and Development Project Grants			
17.502	D	28,220	Occupational Safety and Health Susan Harwood Training Grants			
45.310	I	30,908	Grants to States	NC-18-52	State Library	
47.050	D	100,558	Geosciences			
47.074	D	147,315	Biological Sciences			
47.076	D	146,311	Education and Human Resources			
77.008	D	126,808	U.S. Nuclear Regulatory Commission Scholarship and Fellowship Program			
84.007	D	442,463	Federal Supplemental Educational Opportunity Grants			
84.010	D	407	Title I Grants to Local Educational Agencies			
84.021	D	24,898	Overseas Programs - Group Projects Abroad			
84.027	D	19,776	Special Education Grants to States			

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Federal CFDA Number	Direct/ Indirect	Program Expenditures	CFDA Program Title	Pass -Through Number	Pass -Through Entity Name	Additional Award Information
84.033	D	557,895	Federal Work-Study Program			
84.038	D	5,875,205	Federal Perkins Loan Program Federal Capital Contributions			
84.044	D	397,824	TRIO Talent Search			
84.063	D	17,824,539	Federal Pell Grant Program			
84.268	D	58,741,645	Federal Direct Student Loans			
84.325	D	178,879	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities			
84.334	D	8,061	Gaining Early Awareness and Readiness for Undergraduate Programs			
84.367	D	1,841	Supporting Effective Instruction State Grants (formerly Improving Teacher Quality State Grants)			
84.379	D	9,324	Teacher Education Assistance for College and Higher Education Grants (TEACH Grants)			
93.124	D	18,379	Nurse Anesthetist Traineeship			
93.243	D	35,751	Substance Abuse and Mental Health Services Projects of Regional and National Significance			
93.247	D	986,392	Advanced Nursing Education Workforce Grant Program			
93.262	I	6,517	Occupational Safety and Health Program	3210001070-19-126		NIOSH - University of Kentucky
93.307	I	62,709	Minority Health and Health Disparities Research	127687 G003655		USDHHS via Washington State University
93.323	I	39,558	Epidemiology and Laboratory Capacity for Infectious Diseases (ELC)	00037442		USDHHS
93.359	D	654,757	Nurse Education, Practice Quality and Retention Grants			
93.391	I	18,349	Activities to Support State, Tribal, Local and Territorial (STLT) Health Department Response to Public Health or Healthcare Crises	2018-110701		CDC via NACCHO
93.732	D	382,322	Mental and Behavioral Health Education and Training Grants			
93.847	I	30,063	Diabetes, Digestive, and Kidney Diseases Extramural Research	FY19.001.019		USDHHS via University of Colorado
93.933	I	75,123	Demonstration Projects for Indian Health	WCU-1400-01		USDHHS via USET
		<u>87,870,532</u>	Total — Western Carolina University			
Winston-Salem State University						
10.310	D	97,485	Agriculture and Food Research Initiative (AFRI)			
10.559	D	116	Summer Food Service Program for Children			
12.900	D	1,625	Language Grant Program			
15.663	D	3,998	National Fish and Wildlife Foundation			
15.670	D	64,796	Adaptive Science			
19.009	D	2,473	Academic Exchange Programs - Undergraduate Programs			
20.215	D	17,966	Highway Training and Education			
43.008	D	16,622	Education			
47.041	D	1,290	Engineering Grants			
47.049	D	68,257	Mathematical and Physical Sciences			
47.074	D	39,508	Biological Sciences			
47.076	D	757,635	Education and Human Resources			
84.007	D	551,160	Federal Supplemental Educational Opportunity Grants			
84.015	D	271	National Resource Centers Program for Foreign Language and Area Studies or Foreign Language and International Studies Program and Foreign Language and Area Studies Fellowship Program			
84.031	D	5,320,034	Higher Education Institutional Aid			
84.033	D	563,933	Federal Work-Study Program			
84.038	D	797,314	Federal Perkins Loan Program Federal Capital Contributions			
84.042	D	224,087	TRIO Student Support Services			
84.063	D	15,466,954	Federal Pell Grant Program			
84.129	D	617,722	Rehabilitation Long-Term Training			
84.268	D	34,087,010	Federal Direct Student Loans			
84.382	D	441,101	Strengthening Minority-Serving Institutions			
93.088	D	36,132	Advancing System Improvements for Key Issues in Women's Health			
93.243	D	71,177	Substance Abuse and Mental Health Services Projects of Regional and National Significance			
93.307	D	240,492	Minority Health and Health Disparities Research			
93.364	D	4,988	Nursing Student Loans			
93.779	D	148,415	Centers for Medicare and Medicaid Services (CMS) Research, Demonstrations and Evaluations			
93.847	D	51,926	Diabetes, Digestive, and Kidney Diseases Extramural Research			
93.859	D	329,714	Biomedical Research and Research Training			
93.866	D	59,662	Aging Research			

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (BY STATE AGENCY)

For the Fiscal Year Ended June 30, 2019

Federal CFDA Number	Direct/ Indirect	Program Expenditures	CFDA Program Title	Pass -Through Number	Pass -Through Entity Name	Additional Award Information
93.925	D	1,082,515	Scholarships for Health Professions Students from Disadvantaged Backgrounds			
		61,166,378	Total — Winston-Salem State University			
		2,752,732,104	Total — University of North Carolina System			
Community Colleges:						
Alamance Community College						
47.049	D	44,993	Mathematical and Physical Sciences			
84.007	D	37,105	Federal Supplemental Educational Opportunity Grants			
84.033	D	111,580	Federal Work-Study Program			
84.063	D	6,031,529	Federal Pell Grant Program			
		6,225,207	Total — Alamance Community College			
Asheville-Buncombe Technical Community College						
17.258	I	255,568	WIOA Adult Program	WIOA-2018-61-ABTCC-02	Mountain Area Workforce	
17.259	I	35,426	WIOA Youth Activities	UpSkill WNC-Innovation Grant	Mountain Area Workforce	
17.259	I	35,602	WIOA Youth Activities	WIOA-2017-61-ABTECH-FLG-01	Mountain Area Workforce	
17.259	I	66,667	WIOA Youth Activities	WIOA-61-INNOVA-ABTECH-02	Mountain Area Workforce	
17.278	I	2,352	WIOA Dislocated Worker Formula Grants	WIOA Title 1 Finish Line Grants- Administrative Funds	Mountain Area Workforce	
17.278	I	212,528	WIOA Dislocated Worker Formula Grants	WIOA-2018-61-ABTCC-02	Mountain Area Workforce	
17.278	I	7,515	WIOA Dislocated Worker Formula Grants	WIOA-WBL-2018-61-ABTECH-01	Mountain Area Workforce	
47.076	D	382,352	Education and Human Resources			
84.007	D	133,859	Federal Supplemental Educational Opportunity Grants			
84.033	D	184,160	Federal Work-Study Program			
84.063	D	8,090,752	Federal Pell Grant Program			
84.268	D	4,970,745	Federal Direct Student Loans			
		14,377,526	Total — Asheville-Buncombe Technical Community College			
Beaufort County Community College						
84.007	D	87,587	Federal Supplemental Educational Opportunity Grants			
84.033	D	44,248	Federal Work-Study Program			
84.042	D	301,601	TRIO Student Support Services			
84.063	D	2,093,249	Federal Pell Grant Program			
		2,526,685	Total — Beaufort County Community College			
Bladen Community College						
17.258	D	124,942	WIOA Adult Program			
17.259	D	128,105	WIOA Youth Activities			
17.278	D	62,487	WIOA Dislocated Worker Formula Grants			
84.007	D	65,000	Federal Supplemental Educational Opportunity Grants			
84.033	D	45,613	Federal Work-Study Program			
84.063	D	2,779,476	Federal Pell Grant Program			
		3,205,623	Total — Bladen Community College			
Blue Ridge Community College						
17.258	I	115,757	WIOA Adult Program	220	Land of Sky Regional Council	
17.259	I	80,514	WIOA Youth Activities	240	Land of Sky Regional Council	
17.278	I	203,140	WIOA Dislocated Worker Formula Grants	230	Land of Sky Regional Council	
23.001	D	65,138	Appalachian Regional Development (See individual Appalachian Programs)			
64.028	D	61,531	Post-9/11 Veterans Educational Assistance			
84.007	D	59,701	Federal Supplemental Educational Opportunity Grants			
84.033	D	44,142	Federal Work-Study Program			
84.063	D	2,499,753	Federal Pell Grant Program			
84.268	D	1,710,914	Federal Direct Student Loans			
		4,840,590	Total — Blue Ridge Community College			
Brunswick Community College						
84.007	D	27,889	Federal Supplemental Educational Opportunity Grants			

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (BY STATE AGENCY)

For the Fiscal Year Ended June 30, 2019

Federal CFDA Number	Direct/ Indirect	Program Expenditures	CFDA Program Title	Pass -Through Number	Pass -Through Entity Name	Additional Award Information
84.033	D	20,952	Federal Work-Study Program			
84.063	D	2,082,043	Federal Pell Grant Program			
		<u>2,130,884</u>	Total — Brunswick Community College			
<u>Caldwell Community College and Technical Institute</u>						
84.007	D	30,119	Federal Supplemental Educational Opportunity Grants			
84.033	D	34,917	Federal Work-Study Program			
84.042	D	351,687	TRIO Student Support Services			
84.063	D	4,678,191	Federal Pell Grant Program			
		<u>5,094,914</u>	Total — Caldwell Community College and Technical Institute			
<u>Cape Fear Community College</u>						
11.619	D	33,115	Arrangements for Interdisciplinary Research Infrastructure			
20.235	D	8,769	Commercial Motor Vehicle Operator Safety Training Grants			
45.310	D	1,007	Grants to States			
47.076	D	92,072	Education and Human Resources			
84.007	D	170,560	Federal Supplemental Educational Opportunity Grants			
84.031	D	155,885	Higher Education Institutional Aid			
84.033	D	100,032	Federal Work-Study Program			
84.063	D	12,046,637	Federal Pell Grant Program			
84.268	D	6,590,537	Federal Direct Student Loans			
		<u>19,198,614</u>	Total — Cape Fear Community College			
<u>Carteret Community College</u>						
17.258	I	124,020	WIOA Adult Program	2020		ECWDB
17.259	I	114,312	WIOA Youth Activities	2040		ECWDB
17.278	I	27,021	WIOA Dislocated Worker Formula Grants	2030		ECWDB
84.007	D	105,174	Federal Supplemental Educational Opportunity Grants			
84.033	D	52,495	Federal Work-Study Program			
84.042	D	270,965	TRIO Student Support Services			
84.063	D	2,693,963	Federal Pell Grant Program			
		<u>3,387,950</u>	Total — Carteret Community College			
<u>Catawba Valley Community College</u>						
23.001	D	33,739	Appalachian Regional Development (See individual Appalachian Programs)			
45.310	D	12,098	Grants to States			
84.007	D	153,552	Federal Supplemental Educational Opportunity Grants			
84.033	D	155,673	Federal Work-Study Program			
84.063	D	6,509,469	Federal Pell Grant Program			
84.268	D	79,923	Federal Direct Student Loans			
		<u>6,944,454</u>	Total — Catawba Valley Community College			
<u>Central Carolina Community College</u>						
17.274	D	39,866	Youth Build			
47.076	D	58,939	Education and Human Resources			
84.007	D	227,608	Federal Supplemental Educational Opportunity Grants			
84.033	D	90,154	Federal Work-Study Program			
84.042	D	501,298	TRIO Student Support Services			
84.047	D	1,086,472	TRIO Upward Bound			
84.063	D	6,307,662	Federal Pell Grant Program			
84.116	D	1,565,516	Fund for the Improvement of Postsecondary Education			
		<u>9,877,515</u>	Total — Central Carolina Community College			
<u>Central Piedmont Community College</u>						
17.259	I	742,085	WIOA Youth Activities	2040-36		Charlotte Works
17.278	I	18,126	WIOA Dislocated Worker Formula Grants	4000017295		Charlotte Works
17.282	D	100,634	Trade Adjustment Assistance Community College and Career Training (TAACCCT) Grants			
47.076	D	533,861	Education and Human Resources			
47.076	I	12,098	Education and Human Resources	1601452		Riverside CC District
84.007	D	742,652	Federal Supplemental Educational Opportunity Grants			

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (BY STATE AGENCY)

For the Fiscal Year Ended June 30, 2019

Federal CFDA Number	Direct/ Indirect	Program Expenditures	CFDA Program Title	Pass -Through Number	Pass -Through Entity Name	Additional Award Information
84.033	D	559,327	Federal Work-Study Program			
84.042	D	294,967	TRIO Student Support Services			
84.063	D	26,678,791	Federal Pell Grant Program			
84.116	D	76,985	Fund for the Improvement of Postsecondary Education			
		<u>29,759,526</u>	Total — Central Piedmont Community College			
<u>Cleveland Community College</u>						
84.007	D	45,689	Federal Supplemental Educational Opportunity Grants			
84.033	D	116,040	Federal Work-Study Program			
84.042	D	237,366	TRIO Student Support Services			
84.044	D	253,234	TRIO Talent Search			
84.063	D	3,992,227	Federal Pell Grant Program			
84.RD	D	96,413	U. S. Department of Education			First in the World
		<u>4,740,969</u>	Total — Cleveland Community College			
<u>Coastal Carolina Community College</u>						
17.258	I	219,869	WIOA Adult Program	18-4020-40-6035-07	ECWDB	
17.259	I	114,983	WIOA Youth Activities	18-4040-40-6035-07	ECWDB	
17.259	I	2,000	WIOA Youth Activities	18-4050FLG-40-6035-07	ECWDB	
17.278	I	97,176	WIOA Dislocated Worker Formula Grants	1-4050-40-6035-07	ECWDB	
17.278	I	121,926	WIOA Dislocated Worker Formula Grants	18-4030-40-6035-07	ECWDB	
84.007	D	250,000	Federal Supplemental Educational Opportunity Grants			
84.033	D	168,987	Federal Work-Study Program			
84.063	D	7,447,682	Federal Pell Grant Program			
84.408	D	5,692	Postsecondary Education Scholarships for Veteran's Dependents			
		<u>8,428,315</u>	Total — Coastal Carolina Community College			
<u>College of the Albemarle</u>						
84.007	D	66,579	Federal Supplemental Educational Opportunity Grants			
84.033	D	38,921	Federal Work-Study Program			
84.063	D	2,573,620	Federal Pell Grant Program			
		<u>2,679,120</u>	Total — College of the Albemarle			
<u>Craven Community College</u>						
47.076	D	31,559	Education and Human Resources			
84.007	D	189,603	Federal Supplemental Educational Opportunity Grants			
84.031	D	277,259	Higher Education Institutional Aid			
84.033	D	87,713	Federal Work-Study Program			
84.042	D	242,126	TRIO Student Support Services			
84.063	D	4,753,694	Federal Pell Grant Program			
		<u>5,581,954</u>	Total — Craven Community College			
<u>Davidson County Community College</u>						
11.300	D	499,992	Investments for Public Works and Economic Development Facilities			
84.007	D	190,192	Federal Supplemental Educational Opportunity Grants			
84.033	D	143,661	Federal Work-Study Program			
84.042	D	288,613	TRIO Student Support Services			
84.044	D	302,538	TRIO Talent Search			
84.047	D	272,687	TRIO Upward Bound			
84.063	D	6,498,118	Federal Pell Grant Program			
84.268	D	3,509,024	Federal Direct Student Loans			
		<u>11,704,825</u>	Total — Davidson County Community College			
<u>Durham Technical Community College</u>						
84.007	D	199,451	Federal Supplemental Educational Opportunity Grants			
84.033	D	263,171	Federal Work-Study Program			
84.063	D	6,689,358	Federal Pell Grant Program			
84.268	D	4,454,374	Federal Direct Student Loans			
94.002	D	50,009	Retired and Senior Volunteer Program			
		<u>11,656,363</u>	Total — Durham Technical Community College			

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (BY STATE AGENCY)

For the Fiscal Year Ended June 30, 2019

Federal CFDA Number	Direct/ Indirect	Program Expenditures	CFDA Program Title	Pass -Through Number	Pass -Through Entity Name	Additional Award Information
<u>Edgecombe Community College</u>						
84.007	D	94,699	Federal Supplemental Educational Opportunity Grants			
84.031	D	412,245	Higher Education Institutional Aid			
84.033	D	72,954	Federal Work-Study Program			
84.063	D	5,083,897	Federal Pell Grant Program			
84.268	D	4,744,474	Federal Direct Student Loans			
		<u>10,408,269</u>	Total — Edgecombe Community College			
<u>Fayetteville Technical Community College</u>						
84.007	D	535,837	Federal Supplemental Educational Opportunity Grants			
84.033	D	156,905	Federal Work-Study Program			
84.063	D	24,820,530	Federal Pell Grant Program			
84.268	D	19,249,564	Federal Direct Student Loans			
		<u>44,762,836</u>	Total — Fayetteville Technical Community College			
<u>Forsyth Technical Community College</u>						
12.902	D	206,259	Information Security Grants			
12.903	D	105,634	Noncyber Grants Program			
19.040	I	23,921	Public Diplomacy Programs	100K-257ARG-02	Partners of the Americas, Inc	
47.076	D	181,071	Education and Human Resources			
47.076	I	2,352	Education and Human Resources	5655-FTCC-NSF-0630	Pennsylvania State University	
84.007	D	337,008	Federal Supplemental Educational Opportunity Grants			
84.031	D	486,483	Higher Education Institutional Aid			
84.033	D	217,298	Federal Work-Study Program			
84.063	D	12,700,906	Federal Pell Grant Program			
84.116	D	80,267	Fund for the Improvement of Postsecondary Education			
84.268	D	8,333,580	Federal Direct Student Loans			
84.335	D	19,208	Child Care Access Means Parents in School			
		<u>22,693,987</u>	Total — Forsyth Technical Community College			
<u>Gaston College</u>						
10.561	I	68,185	State Administrative Matching Grants for the Supplemental Nutrition Assistance Program	17-18-35901	NCCCS	
17.235	I	34,959	Senior Community Service Employment Program	1718-348	Senior Service America	
17.259	I	353,176	WIOA Youth Activities	1718-349	Gaston County-NexGen	
45.310	I	2,249	Grants to States	1718-20903	State Library of NC	
47.076	D	149,637	Education and Human Resources			
84.007	D	185,779	Federal Supplemental Educational Opportunity Grants			
84.033	D	108,087	Federal Work-Study Program			
84.042	D	239,095	TRIO Student Support Services			
84.047	D	263,553	TRIO Upward Bound			
84.063	D	8,103,317	Federal Pell Grant Program			
		<u>9,508,037</u>	Total — Gaston College			
<u>Guilford Technical Community College</u>						
64.028	D	249,425	Post-9/11 Veterans Educational Assistance			
84.007	D	418,292	Federal Supplemental Educational Opportunity Grants			
84.031	D	499,081	Higher Education Institutional Aid			
84.033	D	473,353	Federal Work-Study Program			
84.063	D	22,073,111	Federal Pell Grant Program			
84.268	D	23,196,614	Federal Direct Student Loans			
		<u>46,909,876</u>	Total — Guilford Technical Community College			
<u>Halifax Community College</u>						
17.258	I	484,689	WIOA Adult Program	9-2020/2030-21-4505-02/04	Turning Point	
17.259	I	7,919	WIOA Youth Activities	9-2020/2030-21-4505-02/04	Turning Point	
84.007	D	34,800	Federal Supplemental Educational Opportunity Grants			
84.033	D	31,948	Federal Work-Study Program			
84.042	D	223,643	TRIO Student Support Services			
84.063	D	921,247	Federal Pell Grant Program			

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (BY STATE AGENCY)

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Federal CFDA Number	Direct/ Indirect	Program Expenditures	CFDA Program Title	Pass -Through Number	Pass -Through Entity Name	Additional Award Information
84.066	D	364,246	TRIO Educational Opportunity Centers			
84.382	D	499,621	Strengthening Minority-Serving Institutions			
		<u>2,568,113</u>	Total — Halifax Community College			
Haywood Community College						
23.011	D	99,850	Appalachian Research, Technical Assistance, and Demonstration Projects			
84.007	D	43,800	Federal Supplemental Educational Opportunity Grants			
84.033	D	34,072	Federal Work-Study Program			
84.063	D	2,248,134	Federal Pell Grant Program			
		<u>2,425,856</u>	Total — Haywood Community College			
Isothermal Community College						
11.300	D	2,017,501	Investments for Public Works and Economic Development Facilities			
23.001	D	291,093	Appalachian Regional Development (See individual Appalachian Programs)			
84.007	D	42,210	Federal Supplemental Educational Opportunity Grants			
84.033	D	47,170	Federal Work-Study Program			
84.063	D	3,105,378	Federal Pell Grant Program			
99.U01	I	131,384	Other Federal Assistance	1545	Corporate for Public	N/A
		<u>5,634,736</u>	Total — Isothermal Community College			
James Sprunt Community College						
17.258	D	253,802	WIOA Adult Program			
17.268	D	888,802	H-1B Job Training Grants			
17.278	D	19,020	WIOA Dislocated Worker Formula Grants			
17.U02	D	3,207	U. S. Department of Labor			WIOA Finish Line Grant
84.007	D	76,225	Federal Supplemental Educational Opportunity Grants			
84.033	D	42,391	Federal Work-Study Program			
84.042	D	368,017	TRIO Student Support Services			
84.044	D	318,166	TRIO Talent Search			
84.047	D	308,251	TRIO Upward Bound			
84.063	D	2,492,208	Federal Pell Grant Program			
		<u>4,770,089</u>	Total — James Sprint Community College			
Johnston Community College						
84.007	D	234,469	Federal Supplemental Educational Opportunity Grants			
84.033	D	59,419	Federal Work-Study Program			
84.042	D	230,036	TRIO Student Support Services			
84.063	D	5,040,252	Federal Pell Grant Program			
		<u>5,564,176</u>	Total — Johnston Community College			
Lenoir Community College						
17.258	I	316,541	WIOA Adult Program	11-2020-40-6169	Eastern Carolina Workforce Development	
17.259	I	190,987	WIOA Youth Activities	11-2020-40-6169	Eastern Carolina Workforce Development	
17.259	I	297	WIOA Youth Activities	18-4050FLG-40-6169-04/05/16	Eastern Carolina Workforce Development	
17.278	I	36,729	WIOA Dislocated Worker Formula Grants	11-2020-40-6169	Eastern Carolina Workforce Development	
84.007	D	218,074	Federal Supplemental Educational Opportunity Grants			
84.033	D	74,800	Federal Work-Study Program			
84.063	D	3,654,286	Federal Pell Grant Program			
		<u>4,491,714</u>	Total — Lenoir Community College			
Martin Community College						
84.007	D	28,569	Federal Supplemental Educational Opportunity Grants			
84.033	D	24,771	Federal Work-Study Program			
84.063	D	816,210	Federal Pell Grant Program			
		<u>869,550</u>	Total — Martin Community College			
Mayland Community College						
17.258	I	161,135	WIOA Adult Program	18-4020-49-1380	Region D	
17.258	I	45,000	WIOA Adult Program	18-4050-49-1380	Region D	
17.259	I	222,515	WIOA Youth Activities	18-4040-49-1380	Region D	
17.259	I	35,600	WIOA Youth Activities	18-4050-49-1380	Region D	

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (BY STATE AGENCY)

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Federal						
CFDA Number	Direct/ Indirect	Program Expenditures	CFDA Program Title	Pass -Through Number	Pass -Through Entity Name	Additional Award Information
17.278	I	42,036	WIOA Dislocated Worker Formula Grants	18-4030-49-1380	Region D	
17.278	I	150,000	WIOA Dislocated Worker Formula Grants	18-4031-49-1380	Region D	
84.007	D	31,735	Federal Supplemental Educational Opportunity Grants			
84.033	D	16,150	Federal Work-Study Program			
84.042	D	315,137	TRIO Student Support Services			
84.063	D	1,157,315	Federal Pell Grant Program			
		<u>2,176,623</u>	Total — Maryland Community College			
McDowell Technical Community College						
84.007	D	24,723	Federal Supplemental Educational Opportunity Grants			
84.033	D	23,474	Federal Work-Study Program			
84.063	D	1,361,673	Federal Pell Grant Program			
		<u>1,409,870</u>	Total — McDowell Technical Community College			
Mitchell Community College						
84.007	D	50,155	Federal Supplemental Educational Opportunity Grants			
84.033	D	44,547	Federal Work-Study Program			
84.063	D	3,542,584	Federal Pell Grant Program			
		<u>3,637,286</u>	Total — Mitchell Community College			
Montgomery Community College						
84.007	D	20,021	Federal Supplemental Educational Opportunity Grants			
84.033	D	33,205	Federal Work-Study Program			
84.063	D	988,303	Federal Pell Grant Program			
		<u>1,041,529</u>	Total — Montgomery Community College			
Nash Community College						
47.074	D	37,680	Biological Sciences			
84.007	D	15,000	Federal Supplemental Educational Opportunity Grants			
84.033	D	35,000	Federal Work-Study Program			
84.063	D	4,822,213	Federal Pell Grant Program			
84.268	D	2,288,741	Federal Direct Student Loans			
		<u>7,198,634</u>	Total — Nash Community College			
Pamlico Community College						
17.258	I	43,605	WIOA Adult Program	18-4020-40-6227-08	WAC	
17.278	I	1,861	WIOA Dislocated Worker Formula Grants	18-4030-40-6227-08	WAC	
17.804	D	7,427	Local Veterans' Employment Representative Program			
84.007	D	22,850	Federal Supplemental Educational Opportunity Grants			
84.033	D	11,138	Federal Work-Study Program			
84.063	D	640,000	Federal Pell Grant Program			
		<u>726,881</u>	Total — Pamlico Community College			
Piedmont Community College						
17.259	I	90,048	WIOA Youth Activities	AA-33241-19-55-A-37	Council of Governments	
84.007	D	34,353	Federal Supplemental Educational Opportunity Grants			
84.033	D	33,673	Federal Work-Study Program			
84.042	D	362,662	TRIO Student Support Services			
84.063	D	1,569,533	Federal Pell Grant Program			
84.066	D	492,283	TRIO Educational Opportunity Centers			
84.403	D	59,085	Consolidated Grant to the Outlying Areas			
		<u>2,641,637</u>	Total — Piedmont Community College			
Pitt Community College						
84.007	D	257,457	Federal Supplemental Educational Opportunity Grants			
84.033	D	157,418	Federal Work-Study Program			
84.042	D	261,349	TRIO Student Support Services			
84.063	D	17,101,096	Federal Pell Grant Program			

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (BY STATE AGENCY)

For the Fiscal Year Ended June 30, 2019

Federal CFDA Number	Direct/ Indirect	Program Expenditures	CFDA Program Title	Pass -Through Number	Pass -Through Entity Name	Additional Award Information
84.066	D	277,142	TRIO Educational Opportunity Centers			
84.268	D	9,356,617	Federal Direct Student Loans			
		<u>27,411,079</u>	Total — Pitt Community College			
<u>Randolph Community College</u>						
84.007	D	67,559	Federal Supplemental Educational Opportunity Grants			
84.033	D	66,529	Federal Work-Study Program			
84.063	D	4,292,663	Federal Pell Grant Program			
		<u>4,426,751</u>	Total — Randolph Community College			
<u>Richmond Community College</u>						
47.076	D	2,358	Education and Human Resources			
84.007	D	149,750	Federal Supplemental Educational Opportunity Grants			
84.033	D	72,462	Federal Work-Study Program			
84.063	D	5,521,856	Federal Pell Grant Program			
		<u>5,746,426</u>	Total — Richmond Community College			
<u>Roanoke-Chowan Community College</u>						
84.007	D	32,058	Federal Supplemental Educational Opportunity Grants			
84.033	D	33,604	Federal Work-Study Program			
84.042	D	367,978	TRIO Student Support Services			
84.063	D	1,335,659	Federal Pell Grant Program			
		<u>1,769,299</u>	Total — Roanoke-Chowan Community College			
<u>Robeson Community College</u>						
16.525	D	49,350	Grants to Reduce Domestic Violence, Dating Violence, Sexual Assault, and Stalking on Campus			
47.076	D	514	Education and Human Resources			
84.007	D	56,475	Federal Supplemental Educational Opportunity Grants			
84.033	D	51,445	Federal Work-Study Program			
84.063	D	4,685,307	Federal Pell Grant Program			
84.299	D	317,688	Indian Education -- Special Programs for Indian Children			
		<u>5,160,779</u>	Total — Robeson Community College			
<u>Rockingham Community College</u>						
84.007	D	42,425	Federal Supplemental Educational Opportunity Grants			
84.031	D	436,307	Higher Education Institutional Aid			
84.033	D	42,458	Federal Work-Study Program			
84.042	D	256,822	TRIO Student Support Services			
84.063	D	2,428,986	Federal Pell Grant Program			
		<u>3,206,998</u>	Total — Rockingham Community College			
<u>Rowan-Cabarrus Community College</u>						
84.007	D	56,200	Federal Supplemental Educational Opportunity Grants			
84.033	D	64,158	Federal Work-Study Program			
84.063	D	9,111,370	Federal Pell Grant Program			
		<u>9,231,728</u>	Total — Rowan-Cabarrus Community College			
<u>Sampson Community College</u>						
84.002	D	307,917	Adult Education - Basic Grants to States			
84.007	D	48,000	Federal Supplemental Educational Opportunity Grants			
84.033	D	27,111	Federal Work-Study Program			
84.048	D	82,780	Career and Technical Education -- Basic Grants to States			
84.063	D	2,586,968	Federal Pell Grant Program			
		<u>3,052,776</u>	Total — Sampson Community College			
<u>Sandhills Community College</u>						
84.007	D	55,650	Federal Supplemental Educational Opportunity Grants			
84.033	D	96,560	Federal Work-Study Program			
84.063	D	5,500,781	Federal Pell Grant Program			
		<u>5,652,991</u>	Total — Sandhills Community College			

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (BY STATE AGENCY)

For the Fiscal Year Ended June 30, 2019

Federal						
CFDA Number	Direct/ Indirect	Program Expenditures	CFDA Program Title	Pass -Through Number	Pass -Through Entity Name	Additional Award Information
<u>South Piedmont Community College</u>						
84.033	D	43,159	Federal Work-Study Program			
84.063	D	2,274,941	Federal Pell Grant Program			
		<u>2,318,100</u>	Total — South Piedmont Community College			
<u>Southeastern Community College</u>						
17.258	I	139,556	WIOA Adult Program	0-2020-33	Cape Fear COG	
17.259	I	131,390	WIOA Youth Activities	0-2040-33	Cape Fear COG	
17.278	I	96,394	WIOA Dislocated Worker Formula Grants	0-2030-33	Cape Fear COG	
17.281	D	-	WIOA Dislocated Worker National Reserve Technical Assistance and Training			
17.281	I	308,645	WIOA Dislocated Worker National Reserve Technical Assistance and Training	0-2031-33	Cape Fear COG	
84.007	D	41,030	Federal Supplemental Educational Opportunity Grants			
84.033	D	51,330	Federal Work-Study Program			
84.044	D	435,155	TRIO Talent Search			
84.063	D	2,580,442	Federal Pell Grant Program			
93.364	D	20,850	Nursing Student Loans			
94.002	D	94,508	Retired and Senior Volunteer Program			
		<u>3,899,300</u>	Total — Southeastern Community College			
<u>Southwestern Community College</u>						
23.002	D	288,254	Appalachian Area Development			
43.008	D	254,146	Education			
84.007	D	52,518	Federal Supplemental Educational Opportunity Grants			
84.033	D	60,231	Federal Work-Study Program			
84.042	D	299,774	TRIO Student Support Services			
84.047	D	303,136	TRIO Upward Bound			
84.063	D	3,538,999	Federal Pell Grant Program			
84.268	D	1,014,702	Federal Direct Student Loans			
		<u>5,811,760</u>	Total — Southwestern Community College			
<u>Stanly Community College</u>						
84.007	D	89,430	Federal Supplemental Educational Opportunity Grants			
84.031	D	202,035	Higher Education Institutional Aid			
84.033	D	45,422	Federal Work-Study Program			
84.063	D	4,098,401	Federal Pell Grant Program			
		<u>4,435,288</u>	Total — Stanly Community College			
<u>Surry Community College</u>						
84.007	D	67,533	Federal Supplemental Educational Opportunity Grants			
84.033	D	49,523	Federal Work-Study Program			
84.063	D	3,878,526	Federal Pell Grant Program			
		<u>3,995,582</u>	Total — Surry Community College			
<u>Tri-County Community College</u>						
84.007	D	27,609	Federal Supplemental Educational Opportunity Grants			
84.033	D	26,648	Federal Work-Study Program			
84.063	D	1,632,488	Federal Pell Grant Program			
		<u>1,686,745</u>	Total — Tri-County Community College			
<u>Vance-Granville Community College</u>						
17.259	I	94,458	WIOA Youth Activities	1117	Kerr-Tar Regional Council of Governments	
64.028	D	31,311	Post-9/11 Veterans Educational Assistance			
84.007	D	93,676	Federal Supplemental Educational Opportunity Grants			
84.033	D	74,704	Federal Work-Study Program			
84.063	D	3,984,253	Federal Pell Grant Program			
		<u>4,278,402</u>	Total — Vance-Granville Community College			
<u>Wake Technical Community College</u>						
17.268	D	945,087	H-1B Job Training Grants			
47.050	D	77,817	Geosciences			
47.076	D	207,279	Education and Human Resources			

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (BY STATE AGENCY)

For the Fiscal Year Ended June 30, 2019

Federal CFDA Number	Direct/ Indirect	Program Expenditures	CFDA Program Title	Pass -Through Number	Pass -Through Entity Name	Additional Award Information
84.007	D	231,298	Federal Supplemental Educational Opportunity Grants			
84.031	D	308,729	Higher Education Institutional Aid			
84.033	D	76,481	Federal Work-Study Program			
84.063	D	29,270,776	Federal Pell Grant Program			
84.116	D	717,539	Fund for the Improvement of Postsecondary Education			
84.141	D	479,129	Migrant Education High School Equivalency Program			
84.268	D	32,982,624	Federal Direct Student Loans			
		<u>65,296,759</u>	Total — Wake Technical Community College			
Wayne Community College						
17.258	I	195,937	WIOA Adult Program	18-4020-40-6331-09		Eastern Carolina Workforce Dev. Board
17.259	I	78,138	WIOA Youth Activities	18-4040-40-6331-09		Eastern Carolina Workforce Dev. Board
17.259	I	1,392	WIOA Youth Activities	18-4050FLG-40-6331-09		Eastern Carolina Workforce Dev. Board
17.278	I	116,707	WIOA Dislocated Worker Formula Grants	18-4030-40-6331-09		Eastern Carolina Workforce Dev. Board
84.007	D	153,323	Federal Supplemental Educational Opportunity Grants			
84.031	D	121,025	Higher Education Institutional Aid			
84.033	D	108,067	Federal Work-Study Program			
84.063	D	5,346,920	Federal Pell Grant Program			
		<u>6,121,509</u>	Total — Wayne Community College			
Western Piedmont Community College						
84.007	D	59,178	Federal Supplemental Educational Opportunity Grants			
84.033	D	40,970	Federal Work-Study Program			
84.044	D	356,655	TRIO Talent Search			
84.063	D	2,992,446	Federal Pell Grant Program			
		<u>3,449,249</u>	Total — Western Piedmont Community College			
Wilkes Community College						
84.007	D	21,800	Federal Supplemental Educational Opportunity Grants			
84.033	D	64,053	Federal Work-Study Program			
84.042	D	326,547	TRIO Student Support Services			
84.063	D	4,031,807	Federal Pell Grant Program			
84.268	D	552,573	Federal Direct Student Loans			
		<u>4,996,780</u>	Total — Wilkes Community College			
Wilson Community College						
84.007	D	86,300	Federal Supplemental Educational Opportunity Grants			
84.033	D	41,695	Federal Work-Study Program			
84.042	D	331,796	TRIO Student Support Services			
84.047	D	301,748	TRIO Upward Bound			
84.063	D	2,537,521	Federal Pell Grant Program			
84.268	D	2,152,678	Federal Direct Student Loans			
		<u>5,451,738</u>	Total — Wilson Community College			
		<u>509,200,772</u>	Total — Community Colleges			
Other Component Units:						
<u>N. C. Partnership for Children</u>						
93.434	D	39,053	Every Student Succeeds Act/Preschool Development Grants			
93.575	D	67,711	Child Care and Development Block Grant			
94.019	D	1,116,272	Social Innovation Fund			
		<u>1,223,036</u>	Total — N. C. Partnership for Children			
<u>N. C. State Ports Authority</u>						
97.067	D	1,227,854	Homeland Security Grant Program			
		<u>1,227,854</u>	Total — N. C. State Ports Authority			
		<u>2,450,890</u>	Total — Other Component Units			
		<u>511,651,662</u>	Total — Component Units			

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (BY STATE AGENCY)

For the Fiscal Year Ended June 30, 2019

Federal CFDA Number	Direct/ Indirect	Program Expenditures	CFDA Program Title	Pass -Through Number	Pass -Through Entity Name	Additional Award Information
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21,496,445.575 Total Expenditures of Federal Awards

N/A = Not Available

D = Direct Federal Assistance – Assistance received directly from the federal government or received in a pass-through relationship from other State entities.

I = Indirect Federal Assistance – Assistance received in a pass-through relationship from entities other than the federal government or other State entities.

The accompanying notes are an integral part of this schedule.

NOTES TO THE SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS

June 30, 2019

NOTE 1: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

A. Basis of Presentation

The accompanying Schedule of Expenditures of Federal Awards is presented in accordance with requirements of Title 2 U.S. Code of Federal Regulations (CFR) Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance). The Schedule appears in three formats:

- Summary – The summary schedule reports expenditures of federal awards by program or program cluster.
- Detail – The detail schedule presents federal programs by federal agency and lists individual programs within program clusters.
- By State Agency – The schedule by state agency presents expenditures of federal awards by state agency and by program. In some instances, federal funds have been transferred from one state agency to another to be expended in the same program. When this is the case, the expenditure of federal awards has been reported under the organization which received the funds directly from the Federal Government.

Federal CFDA numbers are from the Catalog of Federal Domestic Assistance published by the Office of Management and Budget and the General Services Administration. Programs without a CFDA number are presented with the federal agency's two-digit prefix followed by U with a two-digit number. If the Federal program is part of the Research and Development (R&D) cluster and the extension is not known, RD is placed in the three-digit extension field.

B. Reporting Entity

The State of North Carolina financial reporting entity is fully described in Note 1 to the financial statements. The financial reporting entity includes (1) the primary government, (2) organizations for which the primary government is financially accountable, and (3) other organizations for which the nature and significance of their relationship with the primary government are such that exclusion would cause the primary government's financial statements to be misleading or incomplete.

The accompanying Schedule of Expenditures of Federal Awards includes all federal programs administered by the

state financial reporting entity except the programs of the State Education Assistance Authority, North Carolina Housing Finance Agency, and Economic Development Partnership of North Carolina, Inc. These agencies issue separate reports for their programs.

C. Basis of Accounting

An award is considered expended when the activity related to the award occurs. The activity generally pertains to events requiring compliance with laws, regulations, and the provisions of contract and grant agreements. Specific transaction types have been recognized as follows:

Direct Costs: Direct costs have been recognized on the cash basis of accounting, that is, when cash is disbursed rather than when the charge is incurred.

Indirect costs: Indirect costs are recovered from the federal government by applying a federally approved indirect cost rate or by allocating these costs among benefiting programs in accordance with a federally approved plan. Each program's share of indirect costs is recognized on the accompanying Schedule of Expenditures of Federal Awards.

The State of North Carolina has elected not to use the 10% de minimus indirect cost rate as allowed under the Uniform Guidance.

Loan and loan guarantee transactions:

- Federal Perkins Loan Program - Federal Capital Contributions (CFDA 84.038), Nurse Faculty Loan Program (CFDA 93.264), Health Professions Student Loans, Including Primary Care Loans/Loans for Disadvantaged Students (CFDA 93.342), Nursing Student Loans (CFDA 93.364) – Expenditures of federal awards in the accompanying Schedule of Expenditures of Federal Awards include the value of new loans made during the year, the balance of loans from previous years with federal continuing compliance requirements, federal capital contributions received during the year, interest subsidy, and administrative cost allowances. Loan balances outstanding at year-end are disclosed in Note 2.
- Federal Direct Student Loans (CFDA 84.268) – These loans are made by outside lenders to students at institutions of higher education within the State reporting entity. The institutions are responsible for certain administrative requirements for new loans. As a result, the value of loans made during the year and administrative cost allowances are recognized as expenditures of federal awards in the accompanying Schedule of Expenditures of Federal Awards.

NOTES TO THE SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS

June 30, 2019

The balance of loans for previous years is not included because the lender accounts for the prior balances.

- Capitalization Grants for Clean Water State Revolving Funds (CFDA 66.458) and Capitalization Grants for Drinking Water State Revolving Funds (CFDA 66.468) - The state receives capitalization grants to create and maintain the Clean Water State Revolving Fund (CWSRF) and the Drinking Water State Revolving Fund (DWSRF). Both programs offer long-term low interest rate loans to local cities, towns and municipalities. Capitalization Grants received for the CWSRF for the year ended June 30, 2019 were \$28,971,289 and are included on the schedule. Capitalization Grants received for the DWSRF for the fiscal year ended June 30, 2019 were \$32,633,302 and are also included on the schedule. There are no outstanding loan balances at the end of the audit period.

Other non-cash assistance:

The State of North Carolina participated in several federal programs in which non-cash benefits are provided through the state to eligible participants. These include:

- Food Distribution Programs – Food commodities donated to the N.C. Department of Agriculture are reported at the value assigned by the U.S. Department of Agriculture. The Schedule of Expenditures of Federal Awards includes commodity distributions of:

<u>Program</u>	<u>CFDA #</u>	<u>Non-Cash Value</u>
Nation School Lunch Program	10.555	\$46,451,826
Summer Food Service Program for Children	10.559	29,645
Commodity Supplemental Food Program	10.565	2,700,216
Emergency Food Assistance Program (Food Commodities)	10.569	22,824,815
Trade Mitigation Program Eligible Recipient Agency Operational Funds (Food Commodities)	10.178	12,889,669

- Supplemental Nutrition Assistance Program (CFDA 10.551) – The State issues food stamp benefits in electronic form. Food stamp benefits are recognized as expenditures when recipients use the benefits. The non-cash values during the fiscal year are reported as expenditures on the Schedule of Expenditures of Federal Awards. The estimated value during the fiscal year was \$1,935,225,529.
- Immunization Grants (CFDA 93.268) – Vaccines donated to the N. C. Department of Health and Human Services are reported at the value assigned by the U.S Department of Health and Human Services. The amount reported in the Schedule of Expenditures of Federal Awards reflects routine immunizations including seasonal influenza. The value of the vaccines for the fiscal year is \$132,150,862.
- Donation of Federal Surplus Personal Property (CFDA 39.003) – Federal surplus property donated to the N.C. Department of Administration is valued at estimated fair market value at the time of receipt. The non-cash value during the fiscal year is reported as expenditures in the Schedule of Expenditures of Federal Awards. The estimated value during the fiscal year was \$5,047,815.
- Higher Education – Institutional Aid (CFDA 84.031) Funds to be used for endowments and the endowment is federally restricted. The cumulative balance of the federal awards for endowment funds that are restricted are considered awards expended in each year in which the funds are restricted. Institutional Aid during the fiscal year is reported as an expenditure in the Schedule of Expenditures of Federal Awards. The estimated value during the fiscal year was \$13,530,385.

NOTE 2: FEDERAL LOANS OUTSTANDING

The State of North Carolina had the following federal loan balances outstanding at year-end:

<u>Program</u>	<u>CFDA #</u>	<u>Amount Outstanding</u>
Federal Perkins Loan Program - Federal Capital Contributions	84.038	\$40,809,567
Health Professions Student Loans, Including Primary Care Loans/Loans for Disadvantaged Students	93.342	4,067,347
Nursing Student Loans	93.364	395,111
Nurse Faculty Loan Program	93.264	682,360

NOTES TO THE SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS

June 30, 2019

NOTE 3: UNEMPLOYMENT INSURANCE

State unemployment tax revenues and payments in lieu of taxes are combined with federal funds and used to pay benefits under the Unemployment Insurance program (CFDA 17.225). The state and federal portions of the total expenditures reported on the Schedule were \$164,994,982 and \$83,761,786 respectively.

NOTE 4: PASS-THROUGH AWARDS

Uniform Guidance defines a *subrecipient* as an entity that expends federal awards that are received from a pass-through entity to carry out a federal program. The total amount provided to subrecipients from each federal program is separately identified in the accompanying Summary and Federal Detail Schedule of Expenditures of Federal Awards.

Note: Certain transactions relating to federal financial assistance may appear in the records of more than one state recipient agency. To avoid duplication and the overstatement of the aggregate level of federal financial assistance expended by the State of North Carolina, when federal financial assistance is received by one state recipient agency and redistributed to another state agency (i.e., a pass-through of funds by the primary recipient state agency to a sub-recipient state agency), the federal financial assistance will be reflected as expenditures by the primary recipient state agency.

**Summary Schedule of Prior Audit Findings
For the Year Ended June 30, 2019**



State of North Carolina Office of the State Controller

LINDA COMBS
STATE CONTROLLER

March 20, 2020

The Honorable Beth A. Wood, State Auditor
Office of the State Auditor
2 South Salisbury Street
20601 Mail Service Center
Raleigh, North Carolina 27699-0600

Dear Auditor Wood:

We are providing the following summary schedule of prior audit findings in connection with your audit of the major federal programs of the State of North Carolina for the year ended June 30, 2019, in accordance with the Single Audit Act and the audit requirements of Title 2 *U.S. Code of Federal Regulations* (CFR) Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance). In accordance with 2 CFR 200.511(b), a summary schedule, has been prepared to report the status of all findings included in the fiscal year 2018 schedule of findings and questioned costs and the findings reported in the fiscal year 2018 Summary Schedule of Prior Audit Findings that were not corrected in accordance with 2 CFR 200.511(b)(2).

Respectfully Submitted,

Linda Combs

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Phone (919) 707-0500 ~ <http://www.osc.nc.gov> ~ An EEO/AA/AWD Employer

SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS

For the Fiscal Year Ended June 30, 2019

Original Finding Number **	State Department	Current Status of Prior Audit Finding
2015-068	Health and Human Services	<p><u>Inaccurate Performance Reports Could Potentially Result in Penalties of Up To \$75 Million</u></p> <p>Partial corrective action has been taken. The Department staff (NC FAST, CSDW, DSS Performance Management & DSS Work First Policy) meet at least twice per week to solidify the programming change requirements. In addition, leadership from NC FAST, CSDW & DSS meet multiple times each week to ensure staff remain focused and track progress.</p> <ul style="list-style-type: none"> • A spreadsheet has been developed to map out each field and the required elements of the ACF-199 Report. An additional spreadsheet has been developed to identify and track the actual ACF errors to determine the criticality of each error as it relates to the overall participation rates. The division has been in constant communication with ACF for technical guidance. <p><u>Functional design / requirements documentation</u></p> <ul style="list-style-type: none"> • 100% complete on design and requirements discussion for the ACF-199 Report as of Friday, June 21, 2019. • First draft of ACF-199 Report design to be submitted by NC FAST no later than Friday, June 28, 2019 for review. • Any further design / requirements discussions to be completed on an as needed basis <ul style="list-style-type: none"> ○ The workgroup will keep Thursday design session on the calendar for questions that may come up during the development process. <p>The Department staff (NC FAST, CSDW, DSS Performance Management & DSS Work First Policy) will continue coordinating efforts to resolve the issue. This workgroup will continue to meet at a minimum of once per week to identify and determine solutions to rectify the errors.</p> <p><u>ACF-199 Changes in Scope for Delivery by September 30, 2019</u></p> <ul style="list-style-type: none"> • 49 total change items for the Report were identified during design sessions <ul style="list-style-type: none"> ○ 16 were identified as highest priority, to be delivered by September 30, 2019 ○ These highest priority items affect the Two Parent and All Family work participation rates • 62% complete overall on delivery of ACF-199 items in scope for September 30, 2019 <ul style="list-style-type: none"> ○ Design 100% complete

SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS

For the Fiscal Year Ended June 30, 2019

Original Finding Number **	State Department	Current Status of Prior Audit Finding
		<ul style="list-style-type: none"> ○ Development 58% complete ○ Testing 28% complete
		<p><u>ACF-199 Changes in Scope for Delivery AFTER September 30, 2019</u></p> <ul style="list-style-type: none"> • 49 total change items for the Report were identified during design sessions <ul style="list-style-type: none"> ○ 33 items to be delivered after September 30, 2019 • Development and testing are currently 11% complete for <u>ALL</u> of the change items identified for the report <ul style="list-style-type: none"> ○ Once August 15th items are delivered, we will be about 30% complete with development and testing for all identified changes for ACF-199 Report • Modifications will be needed to the queries used to generate the ACF-199 Report that were run bi-monthly to verify the data is correct or if modifications are needed. The division will be providing technical assistance to counties to work through the work participation reports to ensure that the correct information is being entered in the correct fields within NC FAST. <p>The CAP date has been extended to March 31, 2020.</p>
2015-094	Health and Human Services	<p><u>Monitoring Procedures Need Improvement</u></p> <p>Full corrective action has been taken.</p>
2016-028	Health and Human Services	<p><u>\$10.5 Million in Pre-Employment Transition Services Not Spent on Students with Disabilities</u></p> <p>Partial corrective action has been taken. The Division of Vocational Rehabilitation Services and the Division of Services for the Blind (DSB) continues to make progress providing pre-employment transition services (Pre-ETS) for students with disabilities as required by federal regulations. As a result, the divisions have completed or will continue to perform the following actions to achieve full compliance with the pre-employment transition services earmarking requirement, but also to provide efficient and effective services to the targeted population.</p> <ul style="list-style-type: none"> • Both divisions receive ongoing technical assistance through the Intensive Technical Assistance agreement it implemented in March 2017 with the Workforce Innovation Technical Assistance Center (WINTAC) as well as Rehabilitation Services Administration (RSA) directly. The technical assistance included an analysis of existing documentation, policies, procedures and internal controls for Pre-ETS, including tracking and reporting of these services. Further, the divisions received assistance with developing written procedures

SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS

For the Fiscal Year Ended June 30, 2019

Original Finding Number **	State Department	Current Status of Prior Audit Finding
		<p>and processes for tracking and recording staff time allocable to the minimum 15% reserve funds, identifying a methodology for determining the number of qualified students with disabilities, determining the cost of delivering required and coordination services, and forecasting using methodology compliant with RSA's recommended best practices.</p> <ul style="list-style-type: none"> • To date, the two divisions combined have executed contracts with 17 different community agency providers to make Pre-ETS available in 48 counties across the state. The contracts currently encumber \$11 million in federal funds. The divisions have invested in one part-time, temporary employee to assist with payment approval of encumbered funds with plans to employ two additional temporary employees until the manual process of reviewing, approving, and paying invoices can be replaced with an automated one. Three new contracts are currently in process to begin in the summer of 2020. The divisions' Request for Application (RFA) remains posted as applications to participate as partners in the provision of these services continue to be received. • The RFA is being reviewed in 2020 to identify how it may be revised and/or how new solicitations can be posted in order to partner with providers of various size, experience, and physical locations to expand the divisions' capacity for Pre-ETS projects that are both large and small in scope. • The divisions are actively working with a contracted case management system vendor, Geographical Solutions, to replace the divisions' current case management system (BEAM). Business requirements for the new system (ENCORE) are being articulated to speed the process of capturing Pre-ETS expenditures. As of this date, the projected go-live date is December 2021. • The divisions are involved in ongoing staff development and training in order to increase utilization of Pre-ETS services and to expand services to underserved areas. This includes joint training offered to staff and stakeholder groups (e.g., schools and community agencies) through partnership with the NC Department of Public Instruction. Training (Beyond Limits training) was also provided to division staff to improve their ability to make Pre-ETS services available for students with disabilities who have more significant need. Additional trainings are planned to address knowledge gaps and to promote coordination with partners who are required to access the students who need Pre-ETS services. DSB has also successfully developed and administered specialized programs for youth with blindness or visual impairments.

During SFY 2018-19, 6,299 students between both divisions received these pre-employment transition services and 2,388 students with disabilities received these services SFY 2020 to date.

SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS

For the Fiscal Year Ended June 30, 2019

Original Finding Number **	State Department	Current Status of Prior Audit Finding
2016-040	Health and Human Services	<p><u>Five-Year Limit Not Monitored for the Temporary Assistance for Needy Families (TANF) Program</u></p> <p>Partial corrective action has been taken. The Department staff (NC FAST, CSDW, DSS Performance Management & DSS Work First Policy) scheduled a series of meetings to define the specific calculation needed to run the ACF-199 Report required to monitor the TANF five-year limit. From these meetings the following solution has been developed and is being tested:</p> <p>The total countable Federal months of assistance are now stored in a table in NC FAST. This data is now being migrated to the corresponding tables in Client Services Data Warehouse (CSDW) as part of the automated data loads on a monthly basis. The first benefit month that this data was stored and provided to CSDW is May 2019. A query has been written in the CSDW that will allow the Division of Social Services TANF Policy staff to monitor the statewide percentage of cases approaching and exceeding the five-year limit. This will allow North Carolina to track the number of cases granted an extension to the five-year limit to ensure that we do not exceed the 20% maximum.</p> <p>NC FAST and DSS are working to validate and test the query. Upon successful validation and testing, the query will be published to allow individual counties, as well as State DSS staff, the ability to use the query to monitor the five-year time limit.</p> <p>The CAP date has been extended to March 31, 2020.</p>
2016-041	Health and Human Services	<p><u>Inaccurate TANF Data on Families Was Submitted to the Federal Government</u></p> <p>Partial corrective action has been taken. The Department staff (NC FAST, CSDW, DSS Performance Management & DSS Work First Policy) meet at least twice per week to solidify the programming change requirements. In addition, leadership from NC FAST, CSDW & DSS meet multiple times each week to ensure staff remain focused and track progress.</p> <ul style="list-style-type: none"> • A spreadsheet has been developed to map out each field and the required elements of the ACF-199 Report. An additional spreadsheet has been developed to identify and track the actual ACF errors to determine the criticality of each error as it relates to the overall participation rates. The division has been in constant communication with ACF for technical guidance. <p><u>Functional design / requirements documentation</u></p> <ul style="list-style-type: none"> • 100% complete on design and requirements discussion for the ACF-199 Report as of Friday, June 21, 2019. • First draft of ACF-199 Report design to be submitted by NC FAST no later than Friday, June 28, 2019 for review.

SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS

For the Fiscal Year Ended June 30, 2019

Original Finding Number **	State Department	Current Status of Prior Audit Finding
		<ul style="list-style-type: none"> • Any further design / requirements discussions to be completed on an as needed basis <ul style="list-style-type: none"> ○ The workgroup will keep Thursday design session on the calendar for questions that may come up during the development process. <p>The Department staff (NC FAST, CSDW, DSS Performance Management & DSS Work First Policy) will continue coordinating efforts to resolve the issue. This workgroup will continue to meet at a minimum of once per week to identify and determine solutions to rectify the errors.</p> <p><u>ACF-199 Changes in Scope for Delivery by September 30, 2019</u></p> <ul style="list-style-type: none"> • 49 total change items for the Report were identified during design sessions <ul style="list-style-type: none"> ○ 16 were identified as highest priority, to be delivered by September 30, 2019 ○ These highest priority items affect the Two Parent and All Family work participation rates • 62% complete overall on delivery of ACF-199 items in scope for September 30, 2019 <ul style="list-style-type: none"> ○ Design 100% complete ○ Development 58% complete ○ Testing 28% complete <p><u>ACF-199 Changes in Scope for Delivery AFTER September 30, 2019</u></p> <ul style="list-style-type: none"> • 49 total change items for the Report were identified during design sessions <ul style="list-style-type: none"> ○ 33 items to be delivered after September 30, 2019 • Development and testing are currently 11% complete for <u>ALL</u> of the change items identified for the report <ul style="list-style-type: none"> ○ Once August 15th items are delivered, we will be <u>about 30%</u> complete with development and testing for all identified changes for ACF-199 Report • Modifications will be needed to the queries used to generate the ACF-199 Report that were run bi-monthly to verify the data is correct or if modifications are needed. The division will be providing technical assistance to counties to work through the work participation reports

SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS

For the Fiscal Year Ended June 30, 2019

Original Finding Number **	State Department	Current Status of Prior Audit Finding
		to ensure that the correct information is being entered in the correct fields within NC FAST.
		The CAP date has been extended to March 31, 2020.
2016-046	Health and Human Services	<u>Inaccurate Household Information Reported to the Federal Government</u> Full corrective action has been taken.
2016-052	Health and Human Services	<u>Errors in Children's Health Insurance Provider Billing and Payment Process</u> Partial corrective action has been taken. The Department continued efforts to educate providers about proper documentation standards required to support the medical necessity and proper coding of services billed to the Children's Health Insurance Program. The Department published an article in the August 2019 monthly Medicaid Bulletin detailing best practices on provider billing. In March 2019, the Division of Health Benefits, Office of Compliance and Program Integrity mailed Tentative Notice of Overpayment letters to providers with identified errors. In addition, provider trainings were held in the months of January and August 2019. The Department will continue recoupment efforts from providers as necessary. The federal overpayment will be returned to the Federal entity by September 30, 2019.
2016-053	Health and Human Services	<u>Deficiencies in County Eligibility Determination Process</u> The audit finding does not warrant further action because: <ol style="list-style-type: none"> 1. As of today, July 11, 2019, two years have passed since the audit report in which the finding occurred was submitted on March 28, 2017 to the Federal clearinghouse; 2. The U.S. Department of Health and Human Services is not currently following up with the Department on the audit finding; and 3. A management decision has not been issued.
2016-055	Health and Human Services	<u>Errors in Medicaid Provider Billing and Payment Process</u> Partial corrective action has been taken. The Department continued efforts to educate providers about proper documentation standards required to support the medical necessity and proper coding of services billed to the Medicaid Program. The Department published an article in the August 2019 monthly Medicaid Bulletin detailing best practices on provider billing. In March 2019, the Division of Health Benefits, Office of Compliance and Program Integrity mailed Tentative Notice of Overpayment letters to providers with identified errors. In addition, provider trainings were held in the months of January and August 2019. The Department will continue recoupment efforts from providers as necessary. The federal overpayment will be returned to the Federal entity by September 30, 2019.

SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS

For the Fiscal Year Ended June 30, 2019

Original Finding Number **	State Department	Current Status of Prior Audit Finding
2016-056	Health and Human Services	<p><u>Deficiencies in County Eligibility Determination Process</u></p> <p>Partial corrective action has been taken. The Department continues to provide Medicaid eligibility training to county Department of Social Services staff through the Medicaid Eligibility Support Team cluster meetings and the NC FAST Learning Gateway. The Department hosted cluster meetings in SFY 2018 on May 15- May 17, May 22 – May 24, June 5-June 7, and June 12.</p> <p>The launch of the NC FAST Certification Program pilot is being adjusted due to a change in leadership effective August 2019. Additional milestones were added to the program to ensure a successful implementation. An updated timeline is pending as project activities are being revised. Leadership anticipates the pilot will launch on or before December 31, 2019.</p> <p>The Federal refund will be returned to the Federal entity by September 30, 2019.</p>
2017-001	Health and Human Services	<p><u>Errors in SNAP Notifications and Benefit Calculations</u></p> <p>Full corrective action has been taken.</p>
2017-010	Martin Community College	<p><u>Enrollment Status Reporting Errors</u></p> <p>Full corrective action has been taken.</p>
2017-012	Health and Human Services	<p><u>Cost Allocation Errors</u></p> <p>Full corrective action has been taken.</p>
2017-019	Health and Human Services	<p><u>Errors in Children's Health Insurance Fee-for-Service Claims Payment Process</u></p> <p>Partial corrective action has been taken. The Department continued efforts to educate providers about proper documentation standards required to support the medical necessity and proper coding of services billed to the Children's Health Insurance Program. The Department published an article in the August 2019 monthly Medicaid Bulletin detailing best practices on provider billing. In March 2019, the Division of Health Benefits, Office of Compliance and Program Integrity mailed Tentative Notice of Overpayment letters to providers with identified errors. In addition, provider trainings were held in the months of January and August 2019. The Department will continue recoupment efforts from providers as necessary. The federal overpayment will be returned to the Federal entity by September 30, 2019.</p>
2017-021	Health and Human Services	<p><u>Deficiencies in System Access</u></p> <p>Partial corrective action has been taken. The Department is committed to maintaining information security and system access controls. As a result, we have implemented corrective actions to address the risks identified by the audit team. These corrective actions have been detailed in a response separately submitted to the State Auditor. Any potential security risks or</p>

SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS

For the Fiscal Year Ended June 30, 2019

Original Finding Number **	State Department	Current Status of Prior Audit Finding
		noncompliance are given the highest priority by the Department and corrective actions will be monitored.
2017-024	Health and Human Services	<p><u>Errors in Medicaid Fee-for-Service Claims Payment Process</u></p> <p>Partial corrective action has been taken. The Department continued efforts to educate providers about proper documentation standards required to support the medical necessity and proper coding of services billed to the Medicaid Program. The Department published an article in the August 2019 monthly Medicaid Bulletin detailing best practices on provider billing. In March 2019, the Division of Health Benefits, Office of Compliance and Program Integrity mailed Tentative Notice of Overpayment letters to providers with identified errors. In addition, provider trainings were held in the months of January and August 2019. The Department will continue recoupment efforts from providers as necessary. The federal overpayment will be returned to the Federal entity by September 30, 2019.</p>
2017-027	Health and Human Services	<p><u>Deficiencies in System Access</u></p> <p>Partial corrective action has been taken. The Department is committed to maintaining information security and system access controls. As a result, we have implemented corrective actions to address the risks identified by the audit team. These corrective actions have been detailed in a response separately submitted to the State Auditor. Any potential security risks or noncompliance are given the highest priority by the Department and corrective actions will be monitored.</p>
2017-030	Health and Human Services	<p><u>Deficiencies in County Eligibility Determination Processes</u></p> <p>Partial corrective action has been taken. The Department continues to provide Medicaid eligibility training to county Department of Social Services staff through the Medicaid Eligibility Support Team cluster meetings and the NC FAST Learning Gateway. The Department hosted cluster meetings in SFY 2018 on May 15- May 17, May 22 – May 24, June 5-June 7, and June 12.</p> <p>The launch of the NC FAST Certification Program pilot is being adjusted due to a change in leadership effective August 2019. Additional milestones were added to the program to ensure a successful implementation. An updated timeline is pending as project activities are being revised. Leadership anticipates the pilot will launch on or before December 31, 2019.</p> <p>The Federal refund will be returned to the Federal entity by September 30, 2019.</p>
2018-001	Public Instruction	<p><u>Inadequate Subrecipient Monitoring</u></p> <p>Full corrective action has been taken.</p>

SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS

For the Fiscal Year Ended June 30, 2019

Original Finding Number **	State Department	Current Status of Prior Audit Finding
2018-002	Public Instruction	<p><u>Inadequate Subrecipient Monitoring</u></p> <p>Full corrective action has been taken.</p>
2018-003	Public Instruction	<p><u>Inadequate Subrecipient Monitoring</u></p> <p>Full corrective action has been taken.</p>
2018-004	Public Instruction	<p><u>Inadequate Subrecipient Monitoring</u></p> <p>Full corrective action has been taken.</p>
2018-005	Environmental Quality	<p><u>Inadequate Subrecipient Monitoring</u></p> <p>Full corrective action has been taken.</p>
2018-006	Public Safety	<p><u>Governor's Crime Commission did not Adequately Monitor Subrecipients</u></p> <p>Partial corrective action has been taken. The Governor's Crime Commission (GCC) has made significant progress in implementing its Corrective Action Plan.</p> <p>In the area of staff development and increasing staff knowledge:</p> <p>Management has developed a 2-day training curriculum on the Victims of Crime Act (VOCA) grant monitoring requirements and has held two internal trainings (in March and May) for the GCC grants management staff. Management sent four GCC staff members to a three-day grant management training with the National Grant Management Association. Management has requested that staff trainers from the National Criminal Justice Association come to GCC to provide onsite training for all grant managers.</p> <p>In the area of improving the subrecipient monitoring process:</p> <p>Management has developed and implemented a training requirement focused specifically on conducting site visits, and the existing site visit monitoring tool (GCC Grant Monitoring Site Visit Report) was updated in April to include a checklist of items designed to verify victim status for the individuals served. Management is in the process of updating the GCC Grant Enterprise Management System (GEMS) to allow for better site visit tracking. In the meantime, site visits are being tracked manually in an Excel spreadsheet that is updated every two weeks. In June, management has developed and distributed a new policy (GCC Risk Assessment Policy and Procedure) outlining the definitions of the various risk statuses and is also improving GEMs to ensure that the risk status field has additional requirements for completion.</p> <p>In the area of improving the reimbursement review process:</p> <p>Management has developed and distributed a reimbursement coversheet (GCC Expense Reimbursement Cover Sheets) to subrecipient Project Directors and Financial Officers. The coversheet or similar documentation is</p>

SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS

For the Fiscal Year Ended June 30, 2019

Original Finding Number **	State Department	Current Status of Prior Audit Finding
		now required to be submitted with reimbursement requests. Management has also distributed a reimbursement checklist (GCC Reimbursement Documentation Checklist) to guide Project Directors and Financial Officers on required documentation needed to support different types of reimbursement requests.
		All parts of the Corrective Action Plan will be in place by the previously agreed upon October 1, 2019.
2018-007	Transportation	<u>Federal Financial Reports Incomplete</u> Full corrective action has been taken.
2018-008	Transportation	<u>No Monitoring of \$20.5M in Airport Revenue</u> Full corrective action has been taken.
2018-009	Transportation	<u>Inadequate Monitoring of Subrecipients</u> Full corrective action has been taken.
2018-010	Transportation	<u>Expenditures Incurred Prior to Project Authorization</u> Full corrective action has been taken.
2018-011	Transportation	<u>Review Procedures Failed to Ensure Contractor Compliance With Federal Pay Rates</u> Full corrective action has been taken.
2018-012	Randolph Community College	<u>Untimely Return of Title IV Funds</u> Full corrective action has been taken.
2018-013	UNC - Pembroke	<u>Errors in Return of Title IV Funds</u> Partial corrective action has been taken. The student services specialist responsible for the Return to Title IV calculations received additional training in the processing of the calculations. As additional training opportunities from state and/or regional associations become available, UNCP financial aid staff will be required to attend the training. In addition, the importance of performing the calculations in a timely manner has been reiterated to the responsible party. In order to ensure that Return to Title IV calculations are being performed accurately and timely, the Associate Director of Financial Aid began conducting a review of approximately 5% of the calculations performed each semester. This review is conducted near the end of each term to ascertain any training or compliance deficiencies so that they can be addressed promptly and appropriately. During the review of calculations for Fall 2018 and Spring 2019 it was noted that the days in the payment period were incorrectly calculated. As a result, an additional review control was added. Beginning with the Summer I 2019

SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS

For the Fiscal Year Ended June 30, 2019

Original Finding Number **	State Department	Current Status of Prior Audit Finding
		<p>term, the Director of Financial Aid reviews and approves the set-up of the school calendar utilized for the return calculations to ensure it is properly set-up before any returns are performed.</p> <p>The responsibility of performing the Return to Title IV calculations will be moved to the Associate Director of Financial Aid position during the Fall 2019 semester and the Director of Financial Aid will perform the 5% review. In addition, the Associate Director will be charged with moving the return to Title IV calculations from our current manual process to the process that exists with our student information system, Banner, during the Fall 2019 semester.</p>
2018-014	Winston-Salem State University	<p><u>The University Did Not Consistently Verify Whether Vendors Were Suspended or Debarred</u></p> <p>Full corrective action has been taken.</p>
2018-015	Carteret Community College	<p><u>Enrollment Status Reporting Errors</u></p> <p>Partial corrective action has been taken. The College strengthened its current procedure to provide a timely review of the enrollment status changes reported by:</p> <ul style="list-style-type: none"> • The Registrar's Office will produce a copy of the report sent to the National Student Clearinghouse (NSC) • This report will be reconciled by the Registrar's Office with information provided by the Financial Aid Office that NSLDS received the enrollment changes and the student information was updated. • These reconciliations will be maintained on file in the Registrar's Office for review. <p>In reviewing these new procedures and with the auditor's follow-up, it was determined that these procedures were not adequate to resolve the underlying issue.</p> <p>The College has determined that by reporting directly to NSLDS instead of going through the National Clearinghouse will eliminate the timing delays in accurate student enrollment status. Once reported to NSLDS the register will be able to review all statuses directly and be able to correct any status errors immediately.</p> <p>The College should have direct reporting access to NSLDS by the end of March 2020.</p>
2018-016	North Carolina Central University	<p><u>Enrollment Status Reporting Errors</u></p> <p>Full corrective action has been taken.</p>

SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS

For the Fiscal Year Ended June 30, 2019

Original Finding Number **	State Department	Current Status of Prior Audit Finding
2018-017	Randolph Community College	<p><u>Enrollment Status Reporting Errors</u></p> <p>Full corrective action has been taken.</p>
2018-018	Randolph Community College	<p><u>Untimely Return of Title IV Funds</u></p> <p>Full corrective action has been taken.</p>
2018-019	UNC – Pembroke	<p><u>Errors in Return of Title IV Funds</u></p> <p>Partial corrective action has been taken. The student services specialist responsible for the Return to Title IV calculations received additional training in the processing of the calculations. As additional training opportunities from state and/or regional associations become available, UNCP financial aid staff will be required to attend the training. In addition, the importance of performing the calculations in a timely manner has been reiterated to the responsible party. In order to ensure that Return to Title IV calculations are being performed accurately and timely, the Associate Director of Financial Aid began conducting a review of approximately 5% of the calculations performed each semester. This review is conducted near the end of each term to ascertain any training or compliance deficiencies so that they can be addressed promptly and appropriately.</p> <p>During the review of calculations for Fall 2018 and Spring 2019 it was noted that the days in the payment period were incorrectly calculated. As a result, an additional review control was added. Beginning with the Summer I 2019 term, the Director of Financial Aid reviews and approves the set-up of the school calendar utilized for the return calculations to ensure it is properly set-up before any returns are performed.</p> <p>The responsibility of performing the Return to Title IV calculations will be moved to the Associate Director of Financial Aid position during the Fall 2019 semester and the Director of Financial Aid will perform the 5% review. In addition, the Associate Director will be charged with moving the return to Title IV calculations from our current manual process to the process that exists with our student information system, Banner, during the Fall 2019 semester.</p>
2018-020	North Carolina Central University	<p><u>Enrollment Status Reporting Errors</u></p> <p>Full corrective action has been taken.</p>
2018-021	UNC – Pembroke	<p><u>Errors in Return of Title IV Funds</u></p> <p>Partial corrective action has been taken. The student services specialist responsible for the Return to Title IV calculations received additional training in the processing of the calculations. As additional training opportunities from state and/or regional associations become available, UNCP financial aid staff will be required to attend the training. In addition, the importance of performing the calculations in a timely manner has been reiterated to the responsible party. In order to ensure that Return to Title IV calculations are being performed accurately and timely, the Associate Director of Financial Aid began conducting a review of approximately 5% of the calculations performed each</p>

SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS

For the Fiscal Year Ended June 30, 2019

Original Finding Number **	State Department	Current Status of Prior Audit Finding
		<p>semester. This review is conducted near the end of each term to ascertain any training or compliance deficiencies so that they can be addressed promptly and appropriately.</p> <p>During the review of calculations for Fall 2018 and Spring 2019 it was noted that the days in the payment period were incorrectly calculated. As a result, an additional review control was added. Beginning with the Summer I 2019 term, the Director of Financial Aid reviews and approves the set-up of the school calendar utilized for the return calculations to ensure it is properly set-up before any returns are performed.</p> <p>The responsibility of performing the Return to Title IV calculations will be moved to the Associate Director of Financial Aid position during the Fall 2019 semester and the Director of Financial Aid will perform the 5% review. In addition, the Associate Director will be charged with moving the return to Title IV calculations from our current manual process to the process that exists with our student information system, Banner, during the Fall 2019 semester.</p>
2018-022	Public Instruction	<p><u>Funds Used for Activities Performed Outside the Award Period</u></p> <p>Partial corrective action has been taken. A Grant Accountant was posted early Spring 2019 and again in the Summer. Both times, candidates interviewed did not meet the needs of the agency. Finance and HR have been working together to reclassify the position to an Accountant III. In order to do so, we have moved two Accountant Is under this position to create a Grants section. This Accountant III will report to the Assistant Finance Manager and has been posted and will close the end of January.</p> <p>Finance management continues to work to improve the process of identifying the federal year of expenditures, especially during liquidation period, in order to eliminate this finding.</p> <p>In addition, the Division of School Business is in the process of developing a new Federal Programs Allotment Procedures Manual that will include, among other things, revised procedures for any reallocations of federal funds. These procedures will clearly articulate the process for completing reallocations, the requirements that must be satisfied when reallocating funds, and any limitations on when funds can be reallocated, including a prohibition on reallocating funds during the liquidation period. As these procedures were not completed before the end of the audit period, the revised procedures were not in place to prevent a recurrence of the finding.</p>
2018-023	Health and Human Services	<p><u>Inaccurate Household Information Reported to Federal Government</u></p> <p>Full corrective action has been taken.</p>
2018-024	Health and Human Services	<p><u>Federal Award Information Was Not Included in Subaward</u></p> <p>Full corrective action has been taken.</p>

SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS

For the Fiscal Year Ended June 30, 2019

Original Finding Number **	State Department	Current Status of Prior Audit Finding
2018-025	Health and Human Services	<p><u>Errors in Medicaid Provider Billing and Payment Process</u></p> <p>Partial corrective action has been taken. The Department continued efforts to educate providers about proper documentation standards required to support the medical necessity and proper coding of services billed to the Medicaid Program. The Department published an article in the August 2019 monthly Medicaid Bulletin detailing best practices on provider billing. In March 2019, the Division of Health Benefits, Office of Compliance and Program Integrity mailed Tentative Notice of Overpayment letters to providers with identified errors. In addition, provider trainings were held in the months of January and August 2019. The Department will continue recoupment efforts from providers as necessary. The federal overpayment will be returned to the Federal entity by March 31, 2020.</p>
2018-026	Health and Human Services	<p><u>Lack of Quality Assurance Reviews Increased Risk of Undetected Payment Errors</u></p> <p>Partial corrective action has been taken. The Department developed the clinical policy prior approval (PA) monitoring plan for the Vendor, General Dynamics Information Technology (GDIT). The Department also developed a monitoring tool template to be utilized in performing GDIT PA reviews. In June 2019, a pilot quality assurance review was performed by the Division of Health Benefits (DHB) which included selecting a sample of claims from the NCTracks system to evaluate accuracy and to ensure the vendor adhered to direct PA policy guidelines. In addition, assigned DHB clinical policy staff participated in mandatory training and were provided the GDIT monitoring plan and monitoring tool template.</p> <p>The Department will designate a Clinical Policy Contract Administrator to monitor GDIT's PA performance measures. The vendor will continue to submit their Joint Management Operations status report to the State Contract Manager and Administrator quarterly. The Contract Administrator will continue to review the vendor's Joint Management quarterly reports, monitor performance measures, and evaluate continuous improvement and cost saving ideas based on the PA quarterly sample review.</p> <p>The Department will conduct the first PA monitoring of GDIT by October 31, 2019.</p> <p>To address the issue regarding the inadequacy of Local Management Entity-Managed Care Organizations (LME-MCOs) quality assurance reviews, the Department enhanced the sampling methodology and trained additional staff on November 3, 2017 to ensure there would be adequate coverage for sampling needs. In December 2018, LME/MCO quality assurance review procedures were published and updated to increase the percentage of closed cases to be reviewed from 20%-25%. The DHB Office of Compliance and Program Integrity management will continue to review sample results to ensure an adequate review. The additional review along with the increase in the percentage of cases reviewed will improve the overall accuracy of the quality assessment of the LME/MCO closed case review.</p>

SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS

For the Fiscal Year Ended June 30, 2019

Original Finding Number **	State Department	Current Status of Prior Audit Finding
2018-027	Health and Human Services	<p><u>Inadequate Monitoring of Third-Party Contractor</u></p> <p>Full corrective action has been taken.</p>
2018-028	Health and Human Services	<p><u>Deficiencies in Eligibility Determination Process</u></p> <p>Partial corrective action has been taken. The Department continues to provide Medicaid eligibility training to county Department of Social Services staff through the Medicaid Eligibility Support Team cluster meetings and the NC FAST Learning Gateway. The Department hosted cluster meetings in SFY 2018 on May 15- May 17, May 22 – May 24, June 5-June 7, and June 12.</p> <p>The launch of the NC FAST Certification Program pilot is being adjusted due to a change in leadership, effective August 2019. Additional milestones were added to the program to ensure a successful implementation. An updated timeline is pending as project activities are being revised. Leadership anticipates the pilot will launch on or before December 31, 2019.</p> <p>The Federal refund will be returned to the Federal entity by March 31, 2020.</p>

** The first four digits denote the June 30 fiscal year-end in which the finding initially occurred.

**Corrective Action Plan
For the Year Ended June 30, 2019**



State of North Carolina Office of the State Controller

LINDA COMBS
STATE CONTROLLER

March 20, 2020

The Honorable Beth A. Wood, State Auditor
Office of the State Auditor
2 South Salisbury Street
20601 Mail Service Center
Raleigh, North Carolina 27699-0600

Dear Auditor Wood:

We are providing the following corrective action plans for findings identified in connection with your audit of the major federal programs of the State of North Carolina for the year ended June 30, 2019, in accordance with the Single Audit Act and the audit requirements of Title 2 U.S. Code of Federal Regulations (CFR) Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance).

In accordance with 2 CFR 200.511(c), a corrective action plan, separate from the previously provided management's written response, has been prepared for each audit finding. The corrective action plan includes the corrective actions planned, the anticipated completion date, and the contact information for the person responsible for implementing the corrective action.

Respectfully Submitted,

Linda Combs

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Phone (919) 707-0500 ~ <http://www.osc.nc.gov> ~ An EEO/AA/AWD Employer

CORRECTIVE ACTION PLAN

For the Fiscal Year Ended June 30, 2019

Finding Number	Department/ Contact Person/ Phone Number	Corrective Action Planned
2019-001	Public Safety/ NC Governor's Crime Commission Caroline Valand (919) 733-4564	<p><u>Inadequate Subrecipient Monitoring</u></p> <p>Establish and fill two additional grants management positions at the Crime Commission, and transfer an existing position to the Office of Internal Audit to review subrecipient audit reports. The Commission will continue to assure staff are adequately trained on monitoring requirements, and hold staff accountable for proper grant management.</p> <p><i>Anticipated Completion Date:</i> June 30, 2020.</p>
2019-002	Commerce - Division of Employment Security Lockhart Taylor (919) 707-1624	<p><u>Benefit Overpayment Identification Procedures Need Improvement</u></p> <p>The Department of Commerce, Division of Employment Security (DES) implemented SCUBI during the last week of September 2018 and it was expected to have some areas where NC would need to customize the product to meet standards as required by USDOL. The initial phase was to ensure that SCUBI could process claims and pay based upon the certification filed by claimants. During this time DES continued to develop and test the remaining components of the UI systems, some not as complex as what was needed for Benefits Integrity.</p> <p>The NC Legislature mandated that DES work with the Governmental Data Analytics Center (GDAC) to identify and process alerts related to fraud in the UI system, therefore all potential alerts are processed through an interface with GDAC and SCUBI. Because of the design of how the interfaces between the two applications received and transmitted information, the business unit (Benefits Integrity) was not able to receive and process New Hire (NDNH) and quarter wage crossmatch alerts.</p> <p>Through additional development and testing, most of these issues were resolved and the business unit was able to resume crossmatching activities by the end of July 2019. Initially the test sample was small, however, normal processing of weekly NDNH and quarter wage were resumed by the end of August 2019. In addition, the business unit has set parameters in the quarter wage crossmatch to include an examination of claims filed during the audited period for any improper payments.</p> <p>DES continues to work with the vendor, (CAP) on areas of improvement and customization to meet the business units' needs.</p> <p><i>Anticipated Completion Date:</i> Running the Crossmatch and working it was completed in August 2019. Working with the vendor is ongoing.</p>
2019-003	Appalachian State University Wesley Armstrong (828) 262-8675	<p><u>Untimely Return of Title IV Funds</u></p> <p>To address the strengthening of institutional control regarding return to Title IV processing. The Office of Student Financial Aid reorganized our staff and defined clear priorities for our compliance team. This reorganization created a new three-person compliance team. The compliance team is composed of an Associate Director of Financial Aid Compliance and two Assistant Directors. These three have been removed from everyday student aid</p>

CORRECTIVE ACTION PLAN

For the Fiscal Year Ended June 30, 2019

Finding Number	Department/ Contact Person/ Phone Number	Corrective Action Planned
2019-004	Halifax Community College Tara Keeter (252) 536-7223	<p>processing and have their priorities focused on compliance related issues. The top priority of the compliance team is ensuring Appalachian State completes all required reporting requirements for Title IV funding. This team has been given the authority to conduct the Return to Title IV process from beginning to end. The reorganization was designed to ensure that both the Director of Student Financial Aid and the compliance team are responsible to serve as the needed institutional control to protect against future delays with the Return to Title IV process.</p> <p><i>Anticipated Completion Date:</i> November 1, 2019.</p> <p>To ensure that Appalachian State's current policies are thoroughly reviewed and updated to meet the goal of ensuring Title IV processes are designed and implemented in an efficient manner. We conducted a nation-wide search for our new Associate Director of Financial Aid Compliance and were successful in recruiting an experienced candidate. Our new Associate Director of Financial Aid Compliance was a key figure in guiding another institution successfully in the strengthening of their institutional controls over federal compliance. The Associate Director of Financial Aid Compliance will be evaluating and updating Appalachian State's practices to ensure the appropriate institutional controls and policies are in place. This position will report directly to the Director of Student Financial Aid to guarantee all compliance concerns can be quickly communicated and addressed by both individuals. Additionally, the position has been given direct oversight of the two Assistant Directors that have the most experience with the return to Title IV process. The Associate Director of Financial Aid Compliance's experience, role, and direct line to the Director of Financial Aid will ensure that we remove all communication barriers that caused the delays in prior processes.</p> <p><i>Anticipated Completion Date:</i> June 30, 2020.</p> <p>The compliance team will be provided with multiple training events to ensure Appalachian State has the knowledge to build an efficient and timely return to Title IV process. All compliance team members will be required to complete the NASFAA Return to Title IV course work and pass the NASFAA credential for Returning Title IV Funds.</p> <p><i>Anticipated Completion Date:</i> April 1, 2020.</p> <p><u>Untimely Return of Title IV Funds</u></p> <p>Halifax Community College agrees with the finding and recommendation to implement procedures to ensure faculty report withdrawals in a timely manner so funds are returned on a timely basis in accordance with federal compliance requirements.</p>

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2019-005	Halifax Community College David Forester (252) 536-7213	<p>HCC policy requires faculty to drop a student from a class after two consecutive weeks of absences. In addition to monitoring weekly drop/withdrawal submission lists, updated procedures are inclusive of the following actions.</p> <ul style="list-style-type: none"> • Increase professional development opportunities for faculty regarding the Return of Title IV process and requirements. • A financial aid staff member will communicate via email with a student when it is determined the student has only one class remaining. • A financial aid staff member will communicate with the faculty member of the remaining class to verify attendance or the need for a drop submittal. • A late drop submission is defined as 15 days or greater after the last day of attendance. A record of late drop submissions will be reported to the Vice President of Academic Affairs. • Faculty who fail to submit drop records in a timely manner will receive communication via email from the Director of Financial Aid. • Faculty with repeated instances (2 or more within a semester) will receive communication from the Vice President of Academic Affairs and the instances will be considered in the faculty members annual evaluation. <p>Dr. Jeffery Fields, Vice President of Academic Affairs, with the assistance of Tara Keeter, Director of Financial Aid will oversee the development and implementation of the revised procedures to ensure the timely return of title IV funds.</p> <p><i>Anticipated Completion Date:</i> December 31, 2019.</p> <p><u>Information Security Program Does Not Meet Minimum Federal Requirements</u></p> <p>Neither the Vice President of Administrative Services nor the Director of Information Technology were aware that legislation related to the Gramm-Leach-Bliley Act was enacted and enforceable as of the fiscal year of July 1, 2018 - June 30, 2019. Neither the Vice President of Administrative Services nor the Director of Information Technology had received any messages regarding that topic from either federal or state sources of information.</p> <p>Halifax Community College did not believe that it was negligent in not taking actions related to the Information Security program as it completed all phases of the Enhancing Accountability in Government through Leadership and Education (EAGLE) program during the fiscal year 2018-2019, which is part of the internal control program for community colleges in North Carolina. That included submitting the IT portion of EAGLE in 2018-2019. There are five parts of the Gramm-Leach-Bliley Act that Halifax Community College needed to comply with to meet all standards of the Act. Halifax Community College</p>

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		<p>met the standards of four parts of the Act. The College agrees that it did not meet one part of the Act.</p> <p>That part is standard (b)(1) of employee training and management of identifying reasonably foreseeable internal and external risks to the security, confidentiality, and integrity of customer information that could result in the unauthorized disclosure, misuse, alteration, destruction or other compromise of such information, and assess the sufficiency of any safeguards in place to control these risks.</p> <p>Therefore, Halifax Community College will take additional steps to meet the standards of the Gramm Leach-Bliley Act by:</p> <p>David Forester, Vice President of Administrative Services, with the assistance of Caroline Harris, Director of Information Technology, will oversee the development and implementation of revised procedures to ensure that Halifax Community College will be in compliance in all aspects with the Gramm-Leach-Bliley Act. This will include a focus on a greater training of employees regarding the College's Information Technology program.</p> <p>In order to comply with the Gramm-Leach-Bliley Act, Halifax Community College will update the training policy for employees that are on the college's network/have access to student information/records. The College intends to move away from security training test via Blackboard and will move to using SaaS training service, KnowB4. KnowB4 provides simulated social engineering attacks so that employees will know what to look for in the future and how to react accordingly as well as a comprehensive log detailing the subjects each user have been trained in, and the users who have successfully passed security training. To further strengthen our network, the College also intends to implement Akamai DNS Security Filtering as provided by MCNC. The College intends to have these measures implemented by the end of February 2020.</p> <p>Halifax Community College will continue to use the Enhancing Accountability in Government through Leadership and Education (EAGLE) as part of the State of North Carolina internal control program as it did in the fiscal year of July 1, 2018-June 30, 2019. Halifax Community College will continue to evaluate internal controls and assessing risks using EAGLE. Halifax Community College will work diligently to address and remedy these identified findings through updating College procedures. We appreciate your assistance through the audit process. Please contact us if you have questions.</p> <p><i>Anticipated Completion Date:</i> February 29, 2020.</p>

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Finding Number	Department/ Contact Person/ Phone Number	Corrective Action Planned
2019-006	McDowell Technical Community College Kim Ledbetter (828) 652-0602	<p><u>Financial Aid Policies Do Not Meet Federal Requirements</u></p> <p>The Office of Financial Aid at McDowell Technical Community College has updated the following policies pursuant to audit findings and recommendations:</p> <ul style="list-style-type: none"> • Verification • Satisfactory Academic Progress/Financial Aid Appeal • Title IV Repayment <p>Additionally, the Office of Financial Aid will update our Financial Aid Policy and Procedure Manual annually as new rules and regulations are published. The policies will also be updated in the Financial Aid Section of the MTCC Website.</p> <p><i>Corrective action was completed on: October 29, 2019.</i></p>
2019-007	McDowell Technical Community College Elmer Macopson (828) 652-0603	<p><u>Information Security Program Does Not Meet Minimum Federal Requirements</u></p> <p>The College will revise and update the Information Security processes to meet federal requirements that are required under the Gramm Leach-Bliley Act. Also, responsible staff will receive training on the federal regulation required under the Gramm-Leach-Bliley Act. The College will research these areas for professional development opportunities for the information technology staff.</p> <p>Elmer Macopson, Director of Information Technology is responsible for implementing the corrective action. The policies have been updated and are being corrected.</p> <p><i>Anticipated Completion Date: April 1, 2020.</i></p>
2019-008	Nash Community College Jonathan Vester (252) 451-8364	<p><u>Information Security Program Does Not Meet Minimum Federal Requirements</u></p> <p>As of this academic year, the employees of Nash Community College will have the opportunity to attend a variety of training and information sessions pertaining to the security, confidentiality, and integrity of students' records, including financial aid information. These training sessions are a formal part of the professional development calendar for all employees, and are a requirement for any employee with a security class able to add, view, modify, or delete students' financial aid data.</p> <p>An example of Nash's formalized risk and security training is the "Colleague Mnemonics and Security and Safety Protocols for Computer Usage" training led by Nash's Systems Administrator on November 15, 2019. Both faculty and staff, including those who have access to financial aid and other secure data, attended this session. To assure a continuous and well documented risk and security education and assessment program, the Professional Development Coordinator has reserved at least one session for every future professional development day devoted to reinforce the College's training on</p>

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		<p>the security, confidentiality, and integrity of student records. The IT department also holds “lunch and learn” events to review best practices on a number of topics including those relevant to the securing and housing of financial aid data. Attendance to these events are housed with the Professional Development Coordinator’s office.</p> <p>In addition to employee training, risk assessments are conducted on multiple levels of the institution transparent to the end user. Nash Community College conducts monthly security scans of outside facing servers for vulnerabilities using CoalfireOne Scanning Services. Any issues identified in the scan are either resolved through updates or patches, or are applied to the list of exceptions within the CoalfireOne system. Servers that are considered exceptions to vulnerability scans are those used by academic departments for training or are located outside the firewall with no access to the college network.</p> <p>To assure safeguards are in place for risks to data security, Nash contracts with security vendors to perform internal security and vulnerability testing once a quarter. This scan includes attempting to breach known administrative networks, violating security policies by crossing VLANs, direct scanning of network servers, and compromising the wireless network. If any issues are identified, they are addressed with the appropriate remedy, or excluded if they are known issues existing in non-secure/open areas of the network.</p> <p>For information security, Nash uses security classes within its administrative computing system to group users with specific rights within the system. Per the North Carolina State Security Manual, these security classes are reviewed and formally approved annually. If a user no longer needs access to a specific level of data, the department manager issues a request to modify the access within the electronic documents system where is it held for documentation and audit when necessary.</p> <p>Responding to security or outage incidents is documented within the Nash Community College Business Continuity Plan. Depending on the type of incident, ranging from physical outage to a data breach, once the Institutional Technology department is notified of an issue or becomes aware of an issue through the active scanning tools in place on the firewall, servers, or desktops, the Network and Systems Administrators work in tandem to isolate the problem and appropriate the necessary resources for resolution. The recovery process is tested at least once every six months by retrieving and restoring data located in the off-site cloud storage container. Breach incidents are prepared for via training and the aforementioned preventative measures.</p> <p>If a security breach were ever to occur, NCC would follow its IT Data Breach or Imminent Breach Policy and Procedures. To date, no such security breach has occurred.</p> <p>The Vice President of Technology and Chief Information Officer is responsible for the coordination of Nash’s information security program.</p>

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Finding Number	Department/ Contact Person/ Phone Number	Corrective Action Planned
2019-009	Rockingham Community College Beth Pulliam System Administrator (336) 342-4261	<p>Through the above practices, Nash Community College adheres to the requirements of the Gramm-Leach-Bliley Act to take ongoing, pro-active, and well documented measures to educate its employees regarding security, confidentiality, and integrity of student financial aid data.</p> <p><i>Corrective action was completed on:</i> November 15, 2019.</p> <p><u>Information Security Program Does Not Meet Minimum Federal Requirements</u></p> <p>The College purchased training software and began the implementation of monthly security training campaigns in December 2019. This software will ensure that staff receive consistent training to identify reasonably foreseeable internal and external risks to the security of customer information as required by the Gramm-Leach-Bliley Act. In addition, the College implemented monthly mock phishing attacks and monitor employee responses to determine vulnerability. Based on the results, quarterly training campaigns will be developed and implemented via training and compliance software.</p> <p>Other requirements of the Act to assess and identify risks related to information system security and network security are already in place and are included in the College's Business Continuity Plan and existing security standards.</p> <p><i>Corrective action was completed on:</i> December 2019.</p>
2019-010	Winston-Salem State University Robert Muhammad (336) 750-3299	<p><u>Deficiencies in Cash Management</u></p> <p>Financial Aid has been working with Student Accounts, as well as Contracts and Grants to discuss, write, and implement a procedure for the drawing down of funds that are disbursed by the end of the third business day after the transaction. Procedures to ensure requested funds do not exceed immediate need for disbursements and excess cash is returned promptly have been put in place. Student Accounts processes invoices twice a week and Contract & Grants processes drawdowns by the third business day. Management in each area is responsible for monitoring execution of their process. A monthly reconciliation of key federal accounts is done by Financial Aid. Departmental leadership will ensure that all changes made to student award calculations are communicated prior to drawing down funds. The corrective action has taken place, but there is continued monitoring by leadership in all three areas to guarantee that the deficiencies which showed up in audit are resolved and all procedures for cash management are being followed by all parties.</p> <p><i>Anticipated Completion Date:</i> Corrective action was completed in September 2019 when the procedure agreed upon by all parties for cash management was implemented. All parties involved in ensuring requested funds do not exceed the amount immediately needed for disbursements to parents and students are continuing to monitor the procedure to ensure effectiveness.</p>

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Finding Number	Department/ Contact Person/ Phone Number	Corrective Action Planned
		Departmental leadership will review again in January 2020 to make sure the processes are working as they should.
2019-011	Winston-Salem State University Robert Muhammad (336) 750-3299	<p><u>Errors in Return of Title IV Funds</u></p> <p>The Registrar and the Office of Financial Aid will work to provide a list of unofficial withdrawals or “zero GPA” students as soon as possible after the end of the prior semester, which will assist in the timely return of Title IV funds. A Registrar/Financial Aid process and procedure will be written and implemented to ensure this list of “zero GPA” students constitute a university procedure that must be completed. Financial Aid has provided training to the responsible employee(s) for Return to Title IV calculations and will continue to provide additional training as these opportunities become available. The Associate Director for Financial Aid and Compliance has instituted an annual Compliance Calendar and will take a sample of 5 Return to Title IV calculations twice each semester in order to ensure compliance with federal regulations and determine if additional training for the responsible staff member is necessary.</p> <p><i>Anticipated Completion Date:</i> Corrective action was taken in October 2019 in the form of training was provided to the responsible employee for Return to Title IV calculations, along with all Return to Title IV calculations for fall 2019 being reviewed. The Financial Aid/Registrar process and procedure for the “zero GPA” student list will be written and implemented by early February 2020.</p>
2019-012	Public Instruction John Keefer (919) 807-3700	<p><u>Ineffective Monitoring of Title I Spending</u></p> <p>The School Business Division has already taken several steps to address this deficiency in Fiscal Year 2020. After receiving guidance from the U.S. Department of Education, School Business developed a new tool for calculating Title I carryover amounts to ensure subrecipient compliance with applicable carryover limitations. In order to compensate for the fact that DPI’s accounting system does not clearly assign subrecipient expenditures to specific award years, the new Title I carryover calculation tool will allow DPI to carefully allocate program expenditures to the oldest award year to ensure an effective attribution of expenditures to a single award year when there are multiple award years open. School Business sought and received approval from the U.S. Department of Education to issue retroactive waivers to the three subrecipients noted in the finding resulting in no impact. School Business will continue to evaluate its existing Title I carryover monitoring procedures to identify any changes needed to the tool or process.</p> <p><i>Anticipated Completion Date:</i> Fiscal Year 2021.</p>
2019-013	Public Instruction John Keefer (919) 807-3700	<p><u>Errors in Reported State Per Pupil Expenditures</u></p> <p>The School Business Division pursued additional guidance from the U.S. Department of Education and U.S. Census Bureau regarding inclusion of worker’s compensation and residential school expenditure data in the</p>

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Finding Number	Department/ Contact Person/ Phone Number	Corrective Action Planned
2019-014	Public Instruction John Keefer (919) 807-3700	<p>National Public Education Financial Survey's (NPEFS) State Per Pupil Expenditure (SPPE) calculations. Once additional guidance is received, DPI will update the NPEFS's SPPE calculation process to include the data, if required by the Federal government. Additional controls have already been implemented to enhance the review process for the NPEF's SPPE calculations and identify any potential keying errors as part of the calculation process.</p> <p><i>Anticipated Completion Date:</i> Fiscal Year 2021.</p>
2019-014	Public Instruction John Keefer (919) 807-3700	<p><u>Fiscal Monitoring Results Were Not Communicated Timely</u></p> <p>The Assistant Director for School Business now has direct responsibility for ensuring that monitoring reports are issued timely, which will enable proper managerial oversight of the monitoring report process. In addition, School Business developed a revised risk assessment to identify districts for monitoring during Fiscal Year 2020 and better prioritize monitoring resources. Finally, School Business will evaluate its existing monitoring procedures identifying changes needed to reporting timelines or templates to provide timely and actionable feedback for districts who have been subject to monitoring.</p> <p><i>Anticipated Completion Date:</i> Fiscal Year 2020.</p>
2019-015	Public Instruction Susan Brigman (919) 807-3957	<p><u>Inadequate Award Communication</u></p> <p>The Federal Programs Monitoring and Support Division (FPMS) will update and revise its protocol to ensure that all required information is provided to the subrecipients prior to expending funds. This will be accomplished in one of two ways. FPMS will either incorporate all required information in the CCIP system, so that one approval meets all requirements; or, FPMS will create a combined award letter for all federal funds received by the organization, which will be issued in conjunction with the approval of the CCIP application.</p> <p><i>Anticipated Completion Date:</i> Fiscal Year 2021.</p>
2019-016	Public Instruction Barbara Roper (919) 807-3610	<p><u>Unallowable Award Liquidation</u></p> <p>The Department of Public Instruction is currently working with the U.S. Department of Education to determine how to address the unexpended funds. The management team has implemented the following corrective actions in order to minimize errors moving forward. The Financial Services Division is working closely with the School Business Division and all federal programs to improve processes throughout cash management and grant monitoring to mitigate issues.</p> <p>The Financial Services Division now requires the 208 report to be reviewed by both the cash management staff and the appropriate manager to ensure the correct federal grant year(s) are drawn. In addition, the cash management staff are being thoroughly trained to complete the drawdown</p>

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		<p>calculation manually and ensure they are not solely dependent on the automated systems.</p> <p>The Department has formed a grant section which consists of a Grant Accountant and two General Accountants. The major objective for this section is to monitor, review, approve and reconcile all federal fund draws. This section will also communicate regularly with grant program areas to ensure better tracking and utilization of grant funds throughout the grant cycle. Transfers of grant funds will continue to require documented approval from the program responsible for the grant. This section will also continue to work closely with the School Business Division and the budget section to ensure allocations align to amounts budgeted.</p> <p><i>Anticipated Completion Date:</i> Fiscal Year 2021.</p>
2019-017	Halifax Community College David Forester (252) 536-7213	<p><u>Information Security Program Does Not Meet Minimum Federal Requirements</u></p> <p>See 2019-005 for Corrective Action Plan.</p>
2019-018	McDowell Technical Community College Kim Ledbetter (828) 652-0602	<p><u>Financial Aid Policies Do Not Meet Federal Requirements</u></p> <p>See 2019-006 for Corrective Action Plan.</p>
2019-019	McDowell Technical Community College Elmer Macopson (828) 652-0603	<p><u>Information Security Program Does Not Meet Minimum Federal Requirements</u></p> <p>See 2019-007 for Corrective Action Plan.</p>
2019-020	Nash Community College Jonathan Vester (252) 451-8364	<p><u>Information Security Program Does Not Meet Minimum Federal Requirements</u></p> <p>See 2019-008 for Corrective Action Plan.</p>
2019-021	Rockingham Community College Beth Pulliam System Administrator (336) 342-4261	<p><u>Information Security Program Does Not Meet Minimum Federal Requirements</u></p> <p>See 2019-009 for Corrective Action Plan.</p>

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Finding Number	Department/ Contact Person/ Phone Number	Corrective Action Planned
2019-022	Winston-Salem State University Robert Muhammad (336) 750-3299	<u>Deficiencies in Cash Management</u> See 2019-010 for Corrective Action Plan.
2019-023	Appalachian State University Wesley Armstrong (828) 262-8675	<u>Untimely Return of Title IV Funds</u> See 2019-003 for Corrective Action Plan.
2019-024	Halifax Community College Tara Keeter (252) 536-7223	<u>Enrollment Status Reporting Errors</u> Based on the finding, the College is strengthening its current procedure to provide a timely review and reconciliation of the enrollment status changes reported. The College will ensure changes from the previously submitted report are active in the National Student Loan Database System prior to submitting a new report. It is imperative to ensure reporting between the two outside agencies is complete prior to submitting a new status report. Updated procedures are inclusive of the following actions. <ul style="list-style-type: none"> • The Registrar will produce a copy of the report produced by Colleague and uploaded to the National Student Clearinghouse (NSC). • The Director of Financial Aid will perform a reconciliation of the status changes between the Registrar's report and the National Student Loan Database System (NSLDS) prior to the submission of additional reporting by the Registrar. • The Director of Financial Aid will correct any discrepancies identified in NSLDS during the reconciliation process. <p>Dr. Barbara Bradley Hasty, Vice President of Enrollment Services with the assistance of Dawn Veliky, Registrar and Tara Keeter, Director of Financial Aid will oversee the development and implementation of the Enrollment Status Reporting procedures.</p> <p><i>Anticipated Completion Date:</i> December 31, 2019.</p>
2019-025	Halifax Community College Tara Keeter (252) 536-7223	<u>Untimely Return of Title IV Funds</u> See 2019-004 for Corrective Action Plan.

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Finding Number	Department/ Contact Person/ Phone Number	Corrective Action Planned
2019-026	Halifax Community College David Forester (252) 536-7213	<u>Information Security Program Does Not Meet Minimum Federal Requirements</u> See 2019-005 for Corrective Action Plan
2019-027	McDowell Technical Community College Kim Ledbetter (828) 652-0602	<u>Financial Aid Policies Do Not Meet Federal Requirements</u> See 2019-006 for Corrective Action Plan.
2019-028	McDowell Technical Community College Elmer Macopson (828) 652-0603	<u>Information Security Program Does Not Meet Minimum Federal Requirements</u> See 2019-007 for Corrective Action Plan.
2019-029	Nash Community College Tammy Lester (252) 451-8371	<u>Enrollment Status Reporting Errors</u> Based on this finding, the College is strengthening its current procedure to monitor enrollment status changes. Nash Community College acknowledges the importance of accurate enrollment reporting to the National Student Loan Data System. The College uses the National Student Clearinghouse for enrollment reporting. The errors in reporting occurred when students were approved for graduation after the end of the semester and after the initial graduate file had been sent. The Records Office will manually update students that are approved for graduation after the initial graduate file has been sent to the National Student Clearinghouse. The Records Office will maintain a shared file with the Financial Aid Office with a list of manually updated students sent to the National Student Clearinghouse. The Financial Aid Office will review the manually updated students to check for accuracy in the National Student Loan Data System. The Financial Aid Office will also review a sample of student graduates each semester in the National Student Loan Data System for reporting accuracy and correct any errors made in reporting. <i>Anticipated Completion Date:</i> January 31, 2020.
2019-030	Nash Community College Jonathan Vester (252) 451-8364	<u>Information Security Program Does Not Meet Minimum Federal Requirements</u> See 2019-008 for Corrective Action Plan.

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Finding Number	Department/ Contact Person/ Phone Number	Corrective Action Planned
2019-031	Rockingham Community College Carla Moore Registrar (336) 342-4261	<p><u>Enrollment Status Reporting Errors</u></p> <p>Based on this finding, the College will notify NSLDS of a change in student status within 75 days of the change and monitor the information reported to NSLDS to ensure its agreement with College records. The following steps will be taken:</p> <ul style="list-style-type: none"> • Correct the 10 enrollment record errors identified in the audit. • Review all 2019 Spring and 2019 Summer graduate G Not Applied status enrollment records and update as necessary. • Review and update all records from the National Student Clearinghouse (NSC) Degree Verify Report which have a G Not Applied status within 30 days of receipt of the Clearinghouse Degree Transmission File Processed notification. • Manually update NSC records of students graduated after submission of the scheduled Degree Verify Report or submit a new Degree Verify Report if there are a large number of records to be updated. • Submit enrollment reports and degree reports to the NSC based on the NSC reporting requirements which meet federal regulations. • Review and correct all errors identified in the NSC Enrollment and Degree Verify error reports within 10 days of receipt of report. • Review and process NSLDS SSCR Error Report corrections within 10 days of receipt of report. • Every 60 days reconcile the NSLDS enrollment data with the College's records using the SCHER1 Report and make any necessary corrections. • Obtain NSLDS access for the Registrar/Director of Records. <p><i>Anticipated Completion Date:</i> February 2020.</p>
2019-032	Rockingham Community College Beth Pulliam System Administrator (336) 342-4261	<p><u>Information Security Program Does Not Meet Minimum Federal Requirements</u></p> <p>See 2019-009 for Corrective Action Plan.</p>
2019-033	The University of North Carolina at Chapel Hill Lauren DiGrazia, Assistant Provost & University Registrar (919) 962-8289	<p><u>Enrollment Status Reporting Errors</u></p> <p>The timeline for the enrollment file submitted to the National Student Clearinghouse (NSC) is under review. There appears to be a delay in timing with the UNC enrollment submission file between the NSC and the NSLDS. The Office of the University Registrar will work with both NSC and UNC IT</p>

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		<p>on determining if the file needs to be submitted earlier, more often or both in order to rectify this finding.</p> <p>The Office of the University Registrar will also work to put additional safeguards in place to monitor the submissions of the enrollment files to NSC to ensure the information is meeting the necessary timeline to address this finding. We will also schedule regular reviews of the error reports to ensure accurate reporting to NSLDS.</p> <p>Due to the timing of degree conferral, it was determined that though a student appeared to separate from the institution the status recorded was incorrectly coded as withdrawn (“W”) and not graduated (“G”). The Office of the University Registrar will take corrective action to run reports for late graduation conferrals and has developed an internal business process to identify and manually update the NSC.</p> <p><i>Anticipated Completion Date:</i> March 2020.</p>
2019-034	Winston-Salem State University Robert Muhammad (336) 750-3299	<p><u>Deficiencies in Cash Management</u></p> <p>See 2019-010 for Corrective Action Plan.</p>
2019-035	Winston-Salem State University Robert Muhammad (336) 750-3299	<p><u>Enrollment Status Reporting Errors</u></p> <p>WSSU has hired a Financial Aid Business Analyst who has experience working with the Registrar’s Office. There needs to be monitoring procedures after the information systems are properly setup. The Office of the Registrar did not put federal aid process changes into effect to account for three-quarter-time registration. Steps have been taken to ensure that the Registrar leadership team reviews federal aid policy changes annually to confirm that any relevant adjustments are made and all enrollment status types accounted for. The information system (Banner) is now properly setup to identify all types of student enrollment status changes. It was discovered that the errors were due to an oversight with the validation table in Banner: STVTMST. The mapping for 3Q three quarter time was set to half time but was changed to correctly reflect 3Q to NSLC Equivalent = Q in production WSSUPROD.</p> <p><i>Corrective action was completed on:</i> Late August 2019.</p>
2019-036	Winston-Salem State University Robert Muhammad (336) 750-3299	<p><u>Errors in Return of Title IV Funds</u></p> <p>See 2019-011 for Corrective Action Plan.</p>

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Finding Number	Department/ Contact Person/ Phone Number	Corrective Action Planned
2019-037	Winston-Salem State University Robert Muhammad (336) 750-3299	<p><u>Deficiencies in Transfer Monitoring</u></p> <p>The University has set up a semester review of all procedures performed by the contracted consultant. WSSU has hired a Financial Aid Business Analyst that will be performing many of the contracted consultant's job as an on-site employee. There will still need to be monitoring procedures of the Business Analyst to ensure all compliance requirements are being met for all transfer students. As part of the Compliance Calendar, the Associate Director for Compliance and Accounting will monitor each semester to ensure the proper transfer monitoring was performed. These transfer monitoring procedures will be completed at least monthly during the semester.</p> <p><i>Corrective action was completed on: October 2019.</i></p>
2019-038	Appalachian State University Wesley Armstrong (828) 262-8675	<p><u>Untimely Return of Title IV Funds</u></p> <p>See 2019-003 for Corrective Action Plan.</p>
2019-039	Nash Community College Tammy Lester (252) 451-8371	<p><u>Enrollment Status Reporting Errors</u></p> <p>See 2019-029 for Corrective Action Plan.</p>
2019-040	Nash Community College Jonathan Vester (252) 451-8364	<p><u>Information Security Program Does Not Meet Minimum Federal Requirements</u></p> <p>See 2019-008 for Corrective Action Plan.</p>
2019-041	Nash Community College Tammy Lester (252) 451-8371	<p><u>Direct Loan Reconciliation Errors</u></p> <p>Based on this finding, the College has established the following procedure to ensure Direct Loan Reconciliations are completed.</p> <p>The Direct Loan Reconciliations will be completed by the Assistant Director of Financial Aid by the 15th of each month. Once the reports are reconciled, the Assistant Director of Financial Aid will submit the reports to the Director of Financial Aid for review. The Direct Loan Reconciliation files will be maintained in the office of the Assistant Director of Financial Aid.</p> <p><i>Corrective action was completed on: September 30, 2019.</i></p>

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For the Fiscal Year Ended June 30, 2019

Finding Number	Department/ Contact Person/ Phone Number	Corrective Action Planned
2019-042	The University of North Carolina at Chapel Hill Lauren DiGrazia, Assistant Provost & University Registrar (919) 962-8289	<u>Enrollment Status Reporting Errors</u> See 2019-033 for Corrective Action Plan.
2019-043	Winston-Salem State University Robert Muhammad (336) 750-3299	<u>Deficiencies in Cash Management</u> See 2019-010 for Corrective Action Plan.
2019-044	Winston-Salem State University Robert Muhammad (336) 750-3299	<u>Enrollment Status Reporting Errors</u> See 2019-035 for Corrective Action Plan.
2019-045	Winston-Salem State University Robert Muhammad (336) 750-3299	<u>Errors in Return of Title IV Funds</u> See 2019-011 for Corrective Action Plan.
2019-046	Winston-Salem State University Robert Muhammad (336) 750-3299	<u>Deficiencies in Transfer Monitoring</u> See 2019-037 for Corrective Action Plan.
2019-047	Public Instruction Susan Brigman (919) 807-3957	<u>Incomplete Fiscal Monitoring</u> Federal Programs Monitoring and Support Division (FPMS) adopted a new reporting structure in Fiscal Year 2019 which has the 21st Century Community Learning Centers (CCLC) fiscal monitors reporting to the Section Chief and State Coordinator of the 21st CCLC program. This allowed the entire 21st CCLC team to work closely together in developing risk assessments and scheduling and conducting fiscal reviews. To strengthen the written procedures around all types of fiscal and programmatic monitoring, FPMS has revised and updated the 21st CCLC Subgrantee Monitoring Standard Operating Procedures Manual. This revised manual will detail roles and responsibilities, steps of both onsite and desk reviews, expectations for management review, and details for reporting review results to subrecipients.

Anticipated Completion Date: Fiscal Year 2020.

CORRECTIVE ACTION PLAN

For the Fiscal Year Ended June 30, 2019

Finding Number	Department/ Contact Person/ Phone Number	Corrective Action Planned
2019-048	Public Instruction Susan Brigman (919) 807-3957	<u>Inadequate Award Communication</u> See 2019-015 for Corrective Action Plan.
2019-049	Public Instruction John Keefer (919) 807-3700	<u>Fiscal Monitoring Results Were Not Communicated Timely</u> See 2019-014 for Corrective Action Plan.
2019-050	Public Instruction Susan Brigman (919) 807-3957	<u>Inadequate Award Communication</u> See 2019-015 for Corrective Action Plan.
2019-051	Public Instruction Barbara Roper (919) 807-3610	<u>Deficiencies in Cash Management Procedures</u> The Financial Services Division has taken the following corrective actions in order to minimize errors moving forward. The system issues were corrected shortly after the beginning of Fiscal Year 2019. Steps have been put in place to evaluate this system to ensure accuracy moving forward. The Financial Services Division now requires the 208 report to be reviewed by both the cash management staff and the appropriate manager to ensure the correct federal grant year(s) and amounts are drawn. In addition, the cash management staff are being thoroughly trained to complete the drawdown calculation manually and ensure they are not solely dependent on the automated systems. This training will allow the staff to recognize system issues moving forward. A new process will be put in place starting March 2020 to return unused federal funds as part of the monthly zero-out process with the LEAs. These returned funds will go back into the federal system and will be included in the available balance to be drawn down at a later date. This is a common practice with other state agencies, and it will streamline the process and eliminate "cash on hand" for federal grants. The Department has formed a grant section which consist of a Grant Accountant and two General Accountants. The major objective for this section is to monitor, review, approve and reconcile all federal fund draws. <i>Anticipated Completion Date:</i> Fiscal Year 2021.
2019-052	Public Instruction John Keefer (919) 807-3700	<u>Fiscal Monitoring Results Were Not Communicated Timely</u> See 2019-014 for Corrective Action Plan.

CORRECTIVE ACTION PLAN

For the Fiscal Year Ended June 30, 2019

Finding Number	Department/ Contact Person/ Phone Number	Corrective Action Planned
2019-053	Winston-Salem State University Robert Muhammad (336) 750-3299	<u>Deficiencies in Cash Management</u> See 2019-010 for Corrective Action Plan.
2019-054	Health and Human Services Lisa Cauley (919) 527-6401	<u>Inadequate Monitoring of Program Recipients</u> The NC Division of Social Services (DSS) has periodic meetings on the program monitoring process to ensure staff are following the agreed upon monitoring procedures. DSS will develop a monitoring plan for family reunification services that ensures compliance with Federal requirements. This plan will contain monitoring procedures that verify eligibility of participants, allowability of services and activities, numbers of children served, and permanency outcomes. The first monitoring cycle will require a full fiscal year. Monitoring will include progress and data reports, desk-top monitoring, and/or site visits to county child welfare agencies. The Family Reunification Services Policy will be updated to reflect the new monitoring procedures and plan. <i>Anticipated Completion Date:</i> June 30, 2021.
2019-055	Health and Human Services Elizabeth Everette (919) 814-6383 David Locklear (919) 527-6311	<u>Deficiencies in the TANF Eligibility Determination Process</u> The Department reviewed and revised the North Carolina Families Accessing Services through Technology (NC FAST) Learning Gateway Training courses in response to a legislative mandate to develop a NC FAST Certification Program. The revisions were finalized in October 2019. The on-line courses are located on the NC FAST Learning Gateway website https://ncfasttraining.nc.gov/ . The Department will require all county departments of social services (DSS) and local purchasing agencies (LPA) to take specific on-line course(s). The courses will strengthen county staff's knowledge regarding the Work First and Subsidized Child Care Assistance (SCCA) Program policy areas in which deficiencies were identified. Department Division of Child Development and Early Education (DCDEE) (child care assistance): The cited county DSS/LPA will be notified by April 30, 2020 in writing from DCDEE regarding the eligibility errors. The SCCA Technical Assistance Consultants will work directly with county DSS/LPA staff to review each error in detail and the consultant will provide specific instructions on how to correct the error and recoup the associated funds. Each county DSS/LPA will be given a three-month timeframe from when the written notification is received to complete this process. The consultants will

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For the Fiscal Year Ended June 30, 2019

Finding Number	Department/ Contact Person/ Phone Number	Corrective Action Planned
		<p>also review the policy specific to the error with the cited DSS/LPA to ensure the staff fully understand the policy and procedures to prevent similar errors.</p> <p>The Technical Assistance Consultants will continue to make quarterly onsite visits with all assigned county DSS/LPA staff and will review the policy and procedures for the identified technical and eligibility errors.</p> <p>The Technical Assistance Consultants will also hold biannual regional trainings across the state and the areas of policy and procedure related to the technical and eligibility errors will be reviewed during these trainings.</p> <p><i>Anticipated Completion Date:</i> December 31, 2020.</p> <p>Departments Division of Social Services (cash assistance): The county department of social services that had errors cited will be required to complete a Program Improvement Plan (PIP). Follow-up will begin once county notification letters are received or July 1, 2020 whichever comes first. The Work First Compliance Consultant will conduct the follow-up 3-6 months from the implementation of the PIP.</p> <p>The Division of Social Services will ensure that the errors cited will not reoccur by doing the following:</p> <ul style="list-style-type: none"> • The county department of social services that had errors cited will be notified by April 30, 2020 in writing regarding the eligibility errors. • Assign a Work First Program Compliance Consultant to work directly with the county DSS staff to review each error in detail and provide specific instructions on how to correct the error and recoup the associated funds. This will be completed by April 30, 2020. • Require the Operational Support Team to assist the county with the creation of a Program Improvement Plan to address the findings and ensure the errors do not continue. This will be completed by May 15, 2020. • Each county DSS will be given thirty (30) days from when the written notification is received to complete the corrective action process. • Three months following the approval of the Program Improvement Plan, the Work First Compliance Consultant will conduct an audit follow-up. This includes development of a new case sample and case reviews to specifically verify that the errors cited for that county do not continue. • The Work First Monitoring Team will continue to monitor all counties for the eligibility errors identified through this audit process in accordance with the monitoring plan. • The Operational Support Team will continue to provide technical assistance with all assigned county DSS staff and will review the

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For the Fiscal Year Ended June 30, 2019

Finding Number	Department/ Contact Person/ Phone Number	Corrective Action Planned
2019-056	Health and Human Services Shauna Shaw (919) 527-6265	<p>policy and procedures for the identified technical and eligibility errors during ongoing consultation.</p> <ul style="list-style-type: none"> The Operational Support Team conducts biannual regional trainings across the state and the areas of policy and procedure related to the technical and eligibility errors will be reviewed during these trainings. The next scheduled training is August 2020 and will include training on all identified errors. <p><i>Anticipated Completion Date:</i> June 30, 2021.</p>
2019-056	Health and Human Services Shauna Shaw (919) 527-6265	<p><u>Inaccurate TANF Data on Families Was Submitted to the Federal Government</u></p> <p>The Department performed the following actions:</p> <ul style="list-style-type: none"> Corrected the Subsidized Child Care data element, effective September 2019 and resubmitted Federal Fiscal Year (FFY) 2018 data to the Administration for Children and Families (ACF). Researched errors related to countable months and determined that all cases in error were conversion cases (i.e. cases that were converted from Legacy to NC FAST). This item is in queue to be addressed by the ACF-199 workgroup. Once all corrections are completed, the Department will resubmit the FFY 2018 data to the Administration for Children and Families (ACF) no later than September 30, 2020. <p><i>Anticipated Completion Date:</i> December 31, 2020.</p>
2019-057	Health and Human Services Denise Ball (919) 855-3447	<p><u>Subrecipient Monitoring Procedures Need Improvement</u></p> <p>On January 29, 2019, a job aid titled "Contract Development Checklist" was developed and distributed to contract administrators. Funding Source Data was listed as a requirement to build a contract in Open Windows.</p> <p>On February 28, 2019, training was provided to Division staff, including the contract specialist and the contract administrators related to building contracts in Open Windows.</p> <p><i>Corrective action was completed on:</i> February 28, 2019.</p>
2019-057	Karey Perez (919) 855-4985	<p>Due to a program representative's oversight, monitoring was not conducted for one county during the state fiscal year. In August 2019, the omission was subsequently discovered, and the county was monitored resulting in a two-month delay.</p> <p>The Division immediately implemented monthly reviews of the program monitoring log to ensure monitoring is completed on schedule. The review</p>

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For the Fiscal Year Ended June 30, 2019

Finding Number	Department/ Contact Person/ Phone Number	Corrective Action Planned
		<p>process is completed by the Program Administrators and overseen by the Adult Services Section Chief.</p> <p><i>Corrective action was completed on: July 31, 2019.</i></p>
	Dennis Farley (919) 630-7582	<p>The Department has taken corrective actions to include all required federal award information and/or all grant-required data elements in the award letters to its subrecipients. The Department has updated processes to ensure this federal requirement is met.</p> <p><i>Corrective action was completed on: September 1, 2019.</i></p>
	Lisa Cauley (919) 527-6401	<p>The Child Welfare Fiscal Monitoring Supervisor position was vacant during that timeframe but was filled in June 2019. This position will ensure all required counties are monitored during the year. In addition, the Department will review its Subrecipient Monitoring Plan annually and make revisions as needed. Staff will be advised of all revisions to the plan.</p> <p><i>Anticipated Completion Date: June 30, 2020.</i></p>
2019-058	Health and Human Services Kris Horton (919) 527-7707	<p><u>Errors in Medicaid Provider Billing and Payment Process</u></p> <p>The Department analyzed each error and validated the associated questioned costs. A Tentative Notice of Overpayment (TNO) will be sent to each provider to recoup any overpayment made. For errors where no overpayment is identified, a Provider Education Letter will be sent to the provider. Notices will be sent on or before March 31, 2020. Additionally, the Department will conduct a six-month follow-up review by selecting and reviewing a sample of the affected providers' paid claims to ensure errors are not recurring.</p> <p><i>Anticipated Completion Date: November 30, 2020.</i></p>
2019-059	Health and Human Services Jim Flowers (919) 527-7172	<p><u>Medicaid Disproportionate Share Hospital Payment Made Incorrectly</u></p> <p>The Division of Health Benefits has taken the following actions to address the finding:</p> <ul style="list-style-type: none"> • Invoiced and received the return of a \$9,510,151 Federal Fiscal Year (FFY) 2018 State Institution of Mental Disease (IMD) Disproportionate Share Hospital (DSH) payment from the State Alcohol and Drug Abuse Treatment Center which was ineligible for FFY2018. • Made additional allowable FFY2018 State IMD DSH payments to eligible State IMD hospitals in the amount of \$9,510,151. • Beginning with FFY2019 IMD DSH payments, the Division will transfer the DSH eligibility indicator field on the DSH Medicaid Reimbursement Initiative Gap Model spreadsheet to the State IMD

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For the Fiscal Year Ended June 30, 2019

Finding Number	Department/ Contact Person/ Phone Number	Corrective Action Planned
		<p>DSH allocation spreadsheet to ensure that allocations are made only to eligible State IMD facilities.</p> <p><i>Anticipated Completion Date:</i> December 31, 2019.</p>
2019-060	Health and Human Services Beth Daniel (919) 527-7648	<p><u>Lack of Quality Assurance Procedures Increased Risk of Undetected Errors</u></p> <p>The Department will review and enhance the monitoring procedures for the prior approval vendors to include the following monitoring plan criteria:</p> <ul style="list-style-type: none"> • Population Description • Sample Size • Frequency • Role Responsible • Monitoring evidence • Reviewer and evidence • Response to contractor • Corrective Action Plan Follow-up Procedures • Resolution documentation <p><i>Anticipated Completion Date:</i> March 31, 2020.</p>
2019-061	Health and Human Services Sheri Botts (919) 813-5128 Tonya Prince (919) 855-5127	<p><u>Deficiencies in System Access</u></p> <p>The Department is committed to maintaining adequate security and system access controls. The Department has designed and/or implemented corrective actions to address the risks identified in this audit. These corrective actions were detailed in a response separately submitted to the State Auditor. Security risks are given the highest priority by the Department and corrective actions will be monitored.</p> <p><i>Anticipated Completion Date:</i> October 31, 2020.</p>
2019-062	Health and Human Services Christina Bunch (919) 527-7204	<p><u>Deficiencies in the Medicaid Provider Enrollment and Termination Process</u></p> <p>The Department has taken the following corrective action to address the finding:</p> <ul style="list-style-type: none"> • The procedures in the Provider Operations' <i>Monitoring Plan</i> and the <i>Management Monitoring Control Plan</i> were updated in January 2020 to clarify that if notices are not received from all of the Licensing Board listservs during a given month, additional samples will be pulled from the notices that were received to ensure not less than five are monitored monthly as required.

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Finding Number	Department/ Contact Person/ Phone Number	Corrective Action Planned
2019-063	Health and Human Services Carolyn McClanahan (919) 527-7396 Betty Dumas-Beasley (919) 527-7739	<ul style="list-style-type: none"> • The Provider Operations' <i>Monitoring Plan</i> and the <i>Management Monitoring Control Plan</i> procedures were updated on December 5, 2019 and January 16, 2020, respectively. These plans require the managers to review monthly the management monitoring findings including documented discussions with monitoring staff and/or disciplinary actions for failure to follow established procedures. • The CMS Listserv monitoring log for SFY 2018-2019 was updated in December 2019 to address months when monitoring was not performed. • The Department reviewed the license sanctions submitted by the pharmacy provider after it initially failed to disclose them and determined the provider was still eligible to participate in Medicaid. The Department further reviewed the license sanction of the pharmacist and determined the provider was still eligible to participate as a Medicaid provider. The Provider Operations team is currently reviewing the twelve providers noted with suspended, surrendered or revoked licenses and will take appropriate action. <p><i>Anticipated completion date: April 30, 2020.</i></p> <p><u>Deficiencies in the Medicaid Eligibility Determination Process</u></p> <p>The Department will review each of the errors noted and follow-up with each county indicated to establish a corrective action plan where necessary. The Department will implement the county staff certification program through NC FAST to ensure county workers are provided adequate training.</p> <p>Errors resulting in the overpayment of Medicaid claims will be recouped from the counties.</p> <p><i>Anticipated Completion Date: December 31, 2020.</i></p>
2019-064	Health and Human Services Tonya Prince (919) 813-5127 Pyreddy Reddy (919) 855-3090	<p><u>Business Continuity and Disaster Recovery Plan Not Tested</u></p> <p>The Department is committed to maintaining adequate security and system access controls. The Department has designed and/or implemented corrective actions to address the risks identified in this audit. These corrective actions were detailed in a response separately submitted to the State Auditor. Security risks are given the highest priority by the Department and corrective actions will be monitored.</p> <p><i>Anticipated Completion Date: May 2020.</i></p>
2019-065	Health and Human Services Tonya Prince (919) 813-5127	<p><u>Delayed Remediation of Weaknesses</u></p> <p>The Department is committed to maintaining adequate security and system access controls. The Department has designed and/or implemented corrective actions to address the risks identified in this audit. These corrective actions were detailed in a response separately submitted to the State Auditor.</p>

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For the Fiscal Year Ended June 30, 2019

Finding Number	Department/ Contact Person/ Phone Number	Corrective Action Planned
	Pyreddy Reddy (919) 855-3090	Security risks are given the highest priority by the Department and corrective actions will be monitored. <i>Anticipated Completion Date: May 2020.</i>
2019-066	Health and Human Services Rajeev Kotrannavar (919) 855-3004 Pyreddy Reddy (919) 855-3090	<u>Delayed Remediation of Weaknesses</u> The Department is committed to maintaining adequate security and system access controls. The Department has designed and/or implemented corrective actions to address the risks identified in this audit. These corrective actions were detailed in a response separately submitted to the State Auditor. Security risks are given the highest priority by the Department and corrective actions will be monitored. <i>Anticipated Completion Date: May 2020.</i>
2019-067	Health and Human Services Dennis Farley (919) 630-7582	<u>Subrecipient Monitoring Procedures Need Improvement</u> The Opioid STR grant will be included in the Department's Annual Systems Performance Review (ASPR) for state fiscal year 2020. Additionally, all required federal award information will be included in the award letter to its subrecipients. As of September 1, 2019, the Department has updated its processes to ensure that this requirement is met moving forward. <i>Anticipated Completion Date:</i> The Department has already begun to implement these corrective actions and will complete implementation by November 1, 2020.
2019-068	Winston-Salem State University Robert Muhammad (336) 750-3299	<u>Deficiencies in Cash Management</u> See 2019-010 for Corrective Action Plan.
2019-069	Health and Human Services Dennis Farley (919) 630-7582	<u>Subrecipient Monitoring Needs Improvement</u> Prior to the Office of the State Auditor's (OSA) current audit of SABG subrecipient monitoring, the Department enhanced the established subrecipient monitoring plan and the settlement reviews process to ensure the reviews are performed timely. The plan is being implemented expeditiously. The SFY 2018 and SFY 2019 settlement audit cycles are scheduled to begin in early 2020, and the Department is on track to complete those by the end of the current state fiscal year. Also, as part of the review process, supporting documentation for expenditures will be reviewed to ensure federal compliance. The Department Implemented corrective actions as of September 1, 2019 to ensure all required federal award information and/or all grant-required data

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For the Fiscal Year Ended June 30, 2019

Finding Number	Department/ Contact Person/ Phone Number	Corrective Action Planned
2019-070	Public Safety / NC Emergency Management Matthew Kemnitz (919) 825-2349	<p>elements are included in the award letters to its subrecipients. In addition, the Department updated processes to ensure this federal requirement is met.</p> <p><i>Anticipated Completion Date:</i> The Department has already begun to implement these corrective actions and will complete implementation by December 31, 2020.</p> <p><u>Inadequate Subrecipient Monitoring</u></p> <p>Establish and fill five grants management positions to assure continuity of operations in times of vacancy and high turnover. Also establish two new positions at the Office of Internal Audit to monitor subrecipient activity.</p> <p><i>Anticipated Completion Date:</i> June 30, 2020.</p>

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The planning and compilation of the statewide federal compliance procedures for the Single Audit Report required 2,451 audit hours at an approximate cost of \$254,904.

The hours and related costs of audits at individual state entities to support the independent auditor's reports contained herein are included in transmittals issued for those entities.