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State Examiner

INDIANA STATE BOARD OF ACCOUNTS

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April 16, 2025

To: The Officials of Indiana University, Bloomington, Indiana
Indiana University
Monroe County, Indiana

We have reviewed the Financial and Single Audit Reports of Indiana University, which have been opined upon by Plante & Moran, PLLC, Independent Public Accountants, for the period July 1, 2023 to June 30, 2024. Per the *Independent Auditor's Report*, the financial statements included in the Financial Report present fairly the financial condition of Indiana University as of June 30, 2024, and the results of its operations for the period then ended, on the basis of accounting described in the report.

In our opinion, Plante & Moran, PLLC prepared the audit reports in accordance with the guidelines established by the Indiana State Board of Accounts.

The audit report is filed with this letter in our office as a matter of public record.

Tammy R. White, CPA
Deputy State Examiner

Indiana University

Financial Report

2023 - 2024



Table of Contents

Trustees and Administrative Officers of Indiana University.....3

Message from the President.....5

Message from the Interim Vice President for Finance and Chief Financial Officer....6

Independent Auditor’s Report.....8

Management’s Discussion and Analysis.....11

Statement of Net Position.....27

Statement of Revenues, Expenses, and Changes in Net Position.....28

Statement of Cash Flows.....29

Notes to the Financial Statements.....31

Required Supplementary Information.....78

Additional Information.....84

Trustees and Administrative Officers of Indiana University

The Trustees of Indiana University

As of June 30, 2024

W. Quinn Buckner, Chair, Board of Trustees, Monroe County

Cathy A. Langham, Member, Hamilton County

Cynthia L. Lucchese, Vice Chair, Marion County

Jeremy A. Morris, Member, Marion County

J. Timothy Morris, Member, Nashville, TN

Kyle S. Seibert, Member, Monroe County (Student Trustee)

Donna B. Spears, Member, Wayne County

Isaac Torres, Member, St. Joseph County

Vivian H. Winston, Member, Monroe County

Officers of the Board of Trustees

Andrea Havill, Secretary

Anthony Prather, Assistant Secretary

Donald S. Lukes, Treasurer

Dwayne Pinkney, Assistant Treasurer

Administrative Officers

As of June 30, 2024

The Presidents and Vice Presidents

Pamela Whitten, President of the University

Michael A. McRobbie, President Emeritus of the University, Chancellor, Indiana University

Adam W. Herbert, President Emeritus of the University

Thomas Ehrlich, President Emeritus of the University

Jay L. Hess, Executive Vice President for University Clinical Affairs, and Dean & Walter J. Daly Professor IU School of Medicine

Dwayne Pinkney (ending June 30, 2024), Executive Vice President for Finance and Administration

Jason D. Dudich (beginning July 1, 2024), Interim Vice President for Finance and Chief Financial Officer

Latha Ramchand, Executive Vice President and Inaugural Chancellor, IU Indianapolis

Rahul Shrivastav, Executive Vice President and Provost, IU Bloomington

Hannah Buxbaum, Vice President for International Affairs

Scott Dolson, Vice President and Director of Intercollegiate Athletics

Michael Huber, Vice President for University Relations

Rob Lowden, Vice President for Information Technology and Chief Information Officer

Thomas A. Morrison, Vice President for Capital Planning and Facilities

Russell J. Mumper, Vice President for Research

Nancy E. Paton, Vice President and Chief Communications and Marketing Officer

Julie Payne-Kirchmeier, Vice President for Student Success

Anthony Prather, Vice President and General Counsel

Todd Richardson, Vice President and Chief Human Resources Officer

Susan Sciamme-Giesecke, Vice President for Regional Campuses and Online Education

James C. Wimbush, Vice President for Diversity, Equity, and Inclusion

Brenda Stopher, Chief of Staff to the President and Vice President for Strategic Operations

The Chancellors

Dennis M. Rome, Chancellor, Indiana University East (Richmond)

Susan Elrod, Chancellor, Indiana University South Bend

Ken Iwama, Chancellor, Indiana University Northwest
(Gary)

Mark Canada, Chancellor, Indiana University Kokomo

Deborah Ford, Chancellor, Indiana University Southeast
(New Albany)

Other Officers and Senior Leaders

J Thomas Forbes, President and CEO, IU Foundation

Patricia Riveire Stumpf, Chief Executive Officer, IU Alumni
Association

Donald S. Lukes, Treasurer, Indiana University

MESSAGE FROM THE PRESIDENT

The Honorable Eric J. Holcomb
Governor, State of Indiana
State House, Room 206
200 West Washington Street
Indianapolis, IN 46204

Dear Governor Holcomb:

On behalf of the Indiana University Board of Trustees, I present the university's 2023-24 Financial Report. I am pleased to report that, through our continued efforts to judiciously manage state funds and tuition revenues, IU's financial position remains robust.

This fall, across our campuses and through our online programs, we have welcomed nearly 90,000 students who comprise one of the most academically accomplished and diverse student bodies in IU history. Our continued strong enrollment shows the value and impact of an IU degree in the eyes of students and employers.

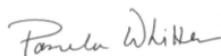
We are proud of our commitment to affordability. More than half of IU undergraduates leave the commencement stage with no student loan debt. We have further strengthened our affordability by implementing a simplified fee structure that is saving students \$14.5 million a year.

We have seen tremendous early progress toward achieving the goals of IU 2030, our bold seven-year strategic plan to advance student success and opportunity, foster transformative research, and strengthen IU's unwavering commitment to serving our state. To cite just a few examples:

- The successful Groups Scholars Program recently expanded to all IU campuses to support greater numbers of first-generation and underrepresented students.
- IU Indianapolis has launched two new institutes that will drive transformative research in health, medicine, life sciences, and technology.
- IU Innovates, our new university-wide initiative that expands support for students and faculty in creating and growing startup ventures, is leading the charge in fostering a more vibrant culture of entrepreneurship across the university.

As we look to the future, we remain dedicated to building on these successes, continually enhancing the quality and accessibility of an IU education. With the state's continued support, we are confident that Indiana University will drive innovation and prosperity across Indiana and beyond, making a lasting impact on our students and our community.

Sincerely,



Pamela Whitten
President, Indiana University

MESSAGE FROM THE INTERIM VICE PRESIDENT FOR FINANCE AND CHIEF FINANCIAL OFFICER

Dear President Whitten and the Trustees of Indiana University:

I am pleased to present to you the Indiana University Financial Report for the fiscal year ended June 30, 2024. The financial statements have been prepared in accordance with generally accepted accounting principles (GAAP) and Governmental Accounting Standards Board (GASB) principles. The accompanying notes and the Management's Discussion and Analysis are integral parts of the financial statements.

The statements are intended to provide a summary of the flow of the economic resources of the university during the fiscal year covering the period of July 1, 2023, through June 30, 2024. The statements report the university's financial position at June 30, 2024, with comparative data from the previous fiscal year. In addition, financial results of the discretely presented component units are incorporated in the 2023-2024 financial report.

The financial statements have been audited by Plante Moran and their opinion on the financial statements appears after this letter.

The Indiana University Financial Report is a consolidated report incorporating all seven campuses for which Indiana University has fiscal responsibility and also includes all auxiliary operations. The information presented in the Management's Discussion and Analysis section of the financial report includes indicators that assess Indiana University's fiscal health. Overall, these indicators show that Indiana University continues to have a strong balance sheet reflecting sound and careful fiscal management across the institution.

For the fiscal year ending June 30, 2024, the institution had an increase in net position of \$225,108,000, or 4%, over the prior year. This positive financial performance was primarily driven by a focus on affordability in conjunction with strong investment returns. Resident undergraduate tuition increased by 3% for all campuses for the 2023-2024 academic year. Complementing these moderate tuition increases was continued financial support for our students with \$567,747,000 provided in financial aid.

Affordability is also maintained through the continued financial support of donors and the state, combined with the fiscal stewardship of those across the University. This has allowed us to continue to invest in the programs and facilities required to educate and prepare students to contribute to the state, the nation, and the world in alignment with IU's 2030 strategic plan. In fiscal year 2024, state support for university operations was \$633,274,000, while state support for capital projects was \$19,098,000. Simultaneously, donor support brought into the University was \$183,546,000.

Indiana University is one of seven public universities that hold an Aaa long-term credit rating from Moody's Investors Service, as well as an AAA rating from S&P Global Ratings. These ratings reflect not only IU's strong financial performance and focus on high standards and fiscal management, but also the effective governance of senior leadership and the Board of Trustees. These ratings also reflect the quality of our academic programs, our ability to plan for the future, and our continued focus on efficiency and affordability.

On behalf of all those responsible for the fiscal stewardship of Indiana University's resources, I submit the Indiana University Financial Report for the fiscal year ending June 30, 2024.

A handwritten signature in black ink, appearing to read 'JD D', with a stylized flourish at the end.

Jason D. Dudich
Interim Vice President for
Finance and Chief Financial
Officer

Independent Auditor's Report

To the Board of Trustees
Indiana University

Report on the Audits of the Financial Statements

Opinions

We have audited the financial statements of the business-type activities and aggregate discretely presented component units of Indiana University (the "University"), a component unit of the State of Indiana, as of and for the years ended June 30, 2024 and 2023 and the related notes to the financial statements, which collectively comprise Indiana University's basic financial statements, as listed in the table of contents.

In our opinion, based on our audit and the report of other auditors, the accompanying financial statements referred to above present fairly, in all material respects, the financial position of the business-type activities and aggregate discretely presented component units of Indiana University as of June 30, 2024 and 2023 and the changes in its financial position and, where applicable, its cash flows thereof for the years then ended in accordance with accounting principles generally accepted in the United States of America.

We did not audit the financial statements of the discretely presented component units, which represent all of the assets, net position, and revenues of the discretely presented component units. Those financial statements were audited by other auditors, whose report has been furnished to us, and our opinion, insofar as it relates to the amounts included for the discretely presented component units, is based solely on the report of the other auditors.

Basis for Opinions

We conducted our audits in accordance with auditing standards generally accepted in the United States of America (GAAS) and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. Our responsibilities under those standards are further described in the *Auditor's Responsibilities for the Audits of the Financial Statements* section of our report. We are required to be independent of the University and to meet our other ethical responsibilities in accordance with the relevant ethical requirements relating to our audits. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinions. The discretely presented component units were not audited under *Government Auditing Standards*.

Emphasis of Matter

As discussed in Note 1 to the financial statements, the 2023 basic financial statements have been restated to correct a material misstatement. Our opinions are not modified with respect to this matter.

Responsibilities of Management for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the University's ability to continue as a going concern for 12 months beyond the financial statement date, including any currently known information that may raise substantial doubt shortly thereafter.

Auditor's Responsibilities for the Audits of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinions. Reasonable assurance is a high level of assurance but is not absolute assurance and, therefore, is not a guarantee that audits conducted in accordance with GAAS and *Government Auditing Standards* will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing audits in accordance with GAAS and *Government Auditing Standards*, we:

- Exercise professional judgment and maintain professional skepticism throughout the audits.
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- Obtain an understanding of internal control relevant to the audits in order to design audit procedures that are appropriate in the circumstances but not for the purpose of expressing an opinion on the effectiveness of the University's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about the University's ability to continue as a going concern for a reasonable period of time.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audits, significant audit findings, and certain internal control-related matters that we identified during the audits.

Required Supplementary Information

Accounting principles generally accepted in the United States of America require that the management's discussion and analysis and other required supplementary information, as identified in the table of contents, be presented to supplement the basic financial statements. Such information is the responsibility of management and, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board, which considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplemental information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

Additional Information

Management is responsible for the accompanying message from the president; message from the vice president and chief financial officer, trustees, and administrative officers of Indiana University; and additional information (as identified in the table of contents), which are presented for the purpose of additional analysis and are not a required part of the basic financial statements. Our opinions on the financial statements do not cover such information, and we do not express an opinion or any form of assurance thereon.

To the Board of Trustees
Indiana University

Other Reporting Required by *Government Auditing Standards*

In accordance with *Government Auditing Standards*, we have also issued our report dated October 29, 2024 on our consideration of Indiana University's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, grant agreements, and other matters. The purpose of that report is solely to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on the effectiveness of Indiana University's internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering Indiana University's internal control over financial reporting and compliance.

Plante & Moreau, PLLC

October 29, 2024

Management's Discussion and Analysis

INTRODUCTION

The following discussion and analysis provides an overview of the consolidated financial position and activities of Indiana University ("university" or IU) for the fiscal year ended June 30, 2024, with selected comparative information for the fiscal years ended June 30, 2023 and 2022. This discussion has been prepared by management and should be read in conjunction with the consolidated financial statements and accompanying notes to the financial statements included in this Annual Financial Report.

Indiana University was founded in 1820 and is one of the largest state-supported universities in the United States. The university is a major multi-campus public research institution, grounded in the liberal arts and sciences, and a world-class leader in professional, medical, and technological education. IU's mission is to provide broad access to undergraduate and graduate education for students throughout Indiana, the United States, and the world, as well as outstanding academic and cultural programs and student services. The university seeks to create dynamic partnerships with the state and local communities in economic, social, and cultural development to contribute to economic prosperity in Indiana and beyond. The university offers leadership in creative solutions for 21st century problems and strives to achieve full diversity and to maintain a friendly, collegial, and humane environment with a strong commitment to academic freedom.

The university's Annual Financial Report includes three financial statements: Statement of Net Position; Statement of Revenues, Expenses, and Changes in Net Position; and Statement of Cash Flows. The university's financial statements, related notes to the financial statements, and required supplementary information, including management's discussion and analysis have been prepared in accordance with Governmental Accounting Standards Board (GASB) principles. GASB required supplementary information is not audited and should be read in conjunction with the financial statements and notes to the financial statements. The university's financial statements also contain the following component units:

The Indiana University Foundation (IU Foundation) is organized as a not-for-profit corporation under the laws of the State of Indiana for the exclusive purpose of supporting the university by receiving, holding, investing, and administering property and making expenditures to or for the benefit of the university. As a tax-exempt organization that would be misleading to exclude, the IU Foundation is considered a component unit of the university, which requires discrete presentation.

The James Whitcomb Riley Memorial Association, Inc., d/b/a Riley Children's Endowment (Riley) is organized as a not-for-profit corporation under the laws of the State of Indiana to fund and support the Riley Hospital for Children, to fund medical research dedicated to the treatment and care of disabled or sick children in conjunction with the Riley Hospital, and to secure and maintain endowment funds to benefit children and other initiatives. The university has the ability to appoint the voting majority of Riley's board of directors and to remove appointed directors of Riley's board at will. As a result, Riley is considered a component unit of the university, which requires discrete presentation.

The IU Medical Group Foundation, Inc. (IUMG) is organized as a not-for-profit corporation under the laws of the State of Indiana to acquire, manage, and distribute funds for the benefit of the Indiana University School of Medicine and Indiana

University Health Care Associates. The university has the ability to appoint the voting majority of IUMG's board of directors, and there is a financial benefit relationship from IUMG. As a result, IUMG is considered a component unit of the university, which requires discrete presentation.

The Regenstrief Institute, Inc. ("Institute") is organized as a not-for-profit corporation under the laws of the State of Indiana to integrate research discovery, technological advances, and systems improvement into the practice of medicine. The university has the ability to appoint the voting majority of the Institute's board of directors and to remove appointed directors of the Institute's board at will. As a result, the Institute is considered a component unit of the university, which requires discrete presentation.

The Indiana University Building Corporation (IUBC) serves specific purposes on behalf of the university and is shown in a blended presentation with the university's financial statements. The sole purpose of IUBC is to assist the university in the financing and development of university facilities by owning and leasing such facilities to the university on a lease-purchase basis.

ABOUT THE FINANCIAL STATEMENTS

The **Statement of Net Position** is the university's balance sheet. The statement presents the university's financial position by reporting all assets, deferred outflows of resources, liabilities, deferred inflows of resources, and net position as of the end of the fiscal year, with comparative information for the prior fiscal year. Net position is the residual value of the university's assets and deferred outflows of resources, after liabilities and deferred inflows of resources are deducted, and is one indicator of the financial condition of the university.

The **Statement of Revenues, Expenses, and Changes in Net Position** is the university's income statement. The statement presents the total revenues recognized and expenses incurred by the university during the fiscal year, along with the increase or decrease in net position with comparative information for the prior fiscal year. This statement depicts the university's revenue streams, along with the categories of expenses supported by that revenue. Changes in net position are an indication of improvement or decline in the university's overall financial condition.

The **Statement of Cash Flows** provides additional information about the university's financial results by presenting detailed information about cash inflows and outflows during the fiscal year, with comparative information for the prior fiscal year. The statement reports the major sources and uses of cash and is useful in the assessment of the university's ability to generate future net cash flows and to meet obligations as they come due.

The university adopted GASB Statement No. 96, *Subscription-Based Information Technology Arrangements*, during fiscal year ending June 30, 2023. The provisions of this Statement are effective for reporting periods beginning after June 15, 2022, and should be applied retroactively by restating financial statements, if practicable, for all prior periods presented. The most recent prior period of the financial statements and accompanying notes of the financial statements that were impacted by this Statement have been restated for the fiscal year ended June 30, 2022. The university reported an \$894,000 increase in net position as of July 1, 2022, as a result of the implementation of GASB 96.

During the fiscal year ended June 30, 2024, the university recorded an adjustment to correct an error related to pending investment sales and pending investment purchases which were previously netted within Cash and Cash Equivalents. The adjustment impacted Cash and Cash Equivalents, Accounts Receivable, and Accounts Payable and Accrued Liabilities. All prior periods presented in the financial statements and accompanying notes to the financial statement that were impacted by this error have been adjusted. The impact to the earliest period presented in the Management's Discussion & Analysis is July 1, 2021, in which there was no impact to net position. See Note 1, Organization and Summary of Significant Accounting Policies for additional information.

STATEMENT OF NET POSITION

A comparison of the university's assets, deferred outflows of resources, liabilities, deferred inflows of resources, and net position as of June 30, 2024, 2023, and 2022, is summarized as follows:

| Condensed Statement of Net Position (in thousands of dollars) | | | |
|---|----------------------|----------------------|----------------------|
| | <i>June 30, 2024</i> | <i>June 30, 2023</i> | <i>June 30, 2022</i> |
| Current assets | \$ 790,331 | \$ 894,865 | \$ 825,074 |
| Capital assets, net | 3,938,163 | 3,810,550 | 3,811,412 |
| Other assets | 2,786,765 | 2,529,888 | 2,395,138 |
| Total assets | 7,515,259 | 7,235,303 | 7,031,624 |
| Deferred outflows of resources | 72,335 | 77,020 | 79,869 |
| Current liabilities | 653,998 | 663,196 | 637,845 |
| Noncurrent liabilities | 1,404,100 | 1,348,143 | 1,373,326 |
| Total liabilities | 2,058,098 | 2,011,339 | 2,011,171 |
| Deferred inflows of resources | 80,593 | 77,189 | 119,385 |
| Net investment in capital assets | 2,776,782 | 2,655,593 | 2,581,396 |
| Restricted net position | 691,290 | 831,813 | 928,679 |
| Unrestricted net position | 1,980,831 | 1,736,389 | 1,470,862 |
| Total net position | \$ 5,448,903 | \$ 5,223,795 | \$ 4,980,937 |

ASSETS

Current Assets

Current assets include those that are used to support current operations and consist primarily of cash and cash equivalents, current net receivables, and short-term investments. Cash balances support commitments to strategic initiatives, employee

benefit and retirement costs, self-liquidity requirements, and ongoing operational needs. The overall fluctuations in current assets are primarily a function of the university's revenue and expense cycles, along with investment activities.

Current assets decreased \$104,534,000, or 12%, and increased \$69,791,000, or 8%, in 2024 and 2023, respectively. The decrease in 2024 was primarily attributable to a decrease in short-term investments of \$147,892,000 and a decrease in net receivables of \$21,753,000. This was partially offset by an increase in cash and cash equivalents of \$70,586,000. The decrease in short-term investments was driven by the timing of investment purchases and sales, as well as operational needs. The decrease in net receivables was primarily driven by pending investment sales but was partially offset by an increase related to the timing of receivables realization, especially concerning foundation revenue which experienced increased activity compared to prior year. The increase in cash and cash equivalents was driven by the proceeds from the Series 2024A bond issuance as well as the liquidation of short-term investments.

The increase in 2023 was primarily attributable to an increase in net receivables of \$99,961,000 as well as an increase in short-term investments of \$52,601,000. This was partially offset by a decrease in cash and cash equivalents of \$80,507,000. The increase in net receivables was primarily driven by pending investment sales and the timing of receivables realization. The increase in short-term investments was driven by the appreciation of equity and fixed income investments. The decrease in cash and cash equivalents was driven by the timing of investment purchases and sales, as well as operational needs.

Noncurrent Assets

Major components of noncurrent assets are endowments, operating investments, and capital assets, net of accumulated depreciation. Noncurrent assets increased \$384,490,000, or 6%, and increased \$133,888,000, or 2%, in 2024 and 2023, respectively. The increase in 2024 was primarily attributable to an increase in long-term investments of \$225,706,000 as well as an increase in capital assets of \$127,613,000. The increase in long-term investments was driven by the appreciation of equity and fixed income investments. The increase in capital assets was primarily attributable to capitalized costs related to the construction of IU School of Medicine Medical Education building and the Wright Quad renovation (See Note 6, Capital Assets).

The increase in 2023 was primarily attributable to an increase in long-term investments of \$139,728,000, partially offset by a decrease in restricted cash and cash equivalents of \$6,660,000. The increase in long-term investments was driven by the appreciation of equity and fixed income investments.

Capital Assets

The university's investment in capital assets, net of depreciation, which includes land, art and museum objects, infrastructure, equipment, buildings, and right-to-use assets increased \$127,613,000 and decreased \$862,000 in 2024 and 2023, respectively. Additions to capital assets are comprised of new construction and renovations, as well as major investments in equipment and information technology. Funding for capital assets consists of use of capital appropriations, gifts designated for capital purposes, and debt proceeds (see Note 6, Capital Assets).

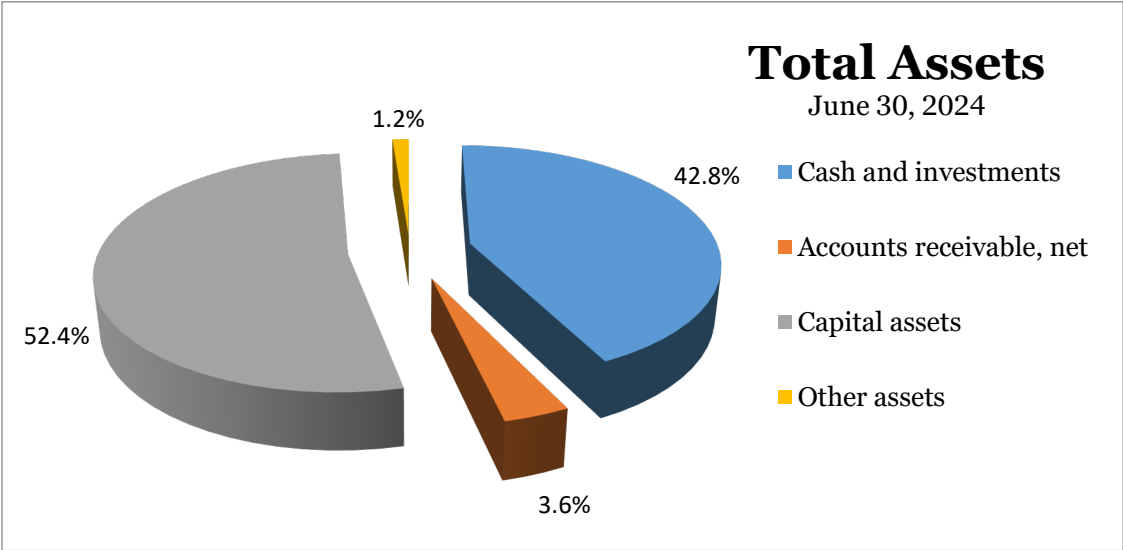
The university continues to focus on reinvesting in existing facilities through renovations and upgrades as needed to support academic programming and research. Utilization of these facilities provides students, faculty, and staff with new learning and research spaces via fiscally responsible methods that encourage efficient management and reuse of existing space, as well as new construction when appropriate.

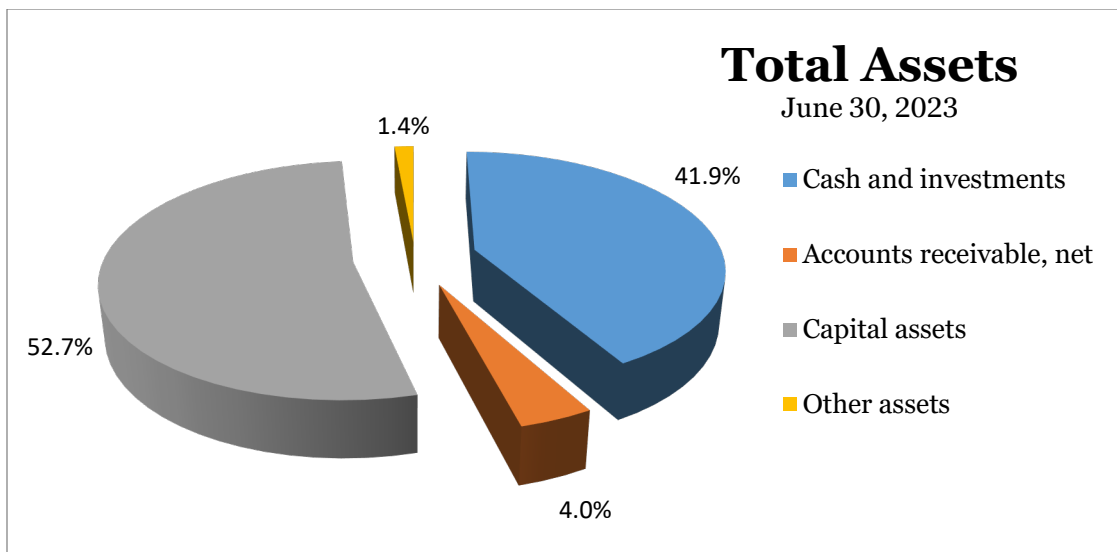
The increase to capital assets, net of depreciation, in 2024 was primarily attributable to capitalized construction in progress (CIP) costs of \$131,461,000 (see Note 6, Capital Assets). These costs included, but were not limited to, two major projects at the university. The first being the IU School of Medicine Medical Education and Research building in Indianapolis which will create a new primary site for medical education programs, including classrooms, high-tech teaching labs and simulation rooms, and offices and support areas as well as research activities. This project incurred \$78,000,000 in 2024. The second major project was the Wright Quad renovation on the Bloomington campus to upgrade existing systems and improve accessibility. This project incurred \$49,000,000 in 2024.

Significant completed projects in 2024 also contributed to the increase in capitalized costs. These included the renovation of the Nursing Skills and Simulation Laboratory on the Indianapolis campus and the renovation of Parkside Hall on the South Bend campus. Both of these completed projects totaled \$11,116,000 in capitalized costs for 2024.

The following table and charts represent the composition of total assets as of June 30, 2024 and 2023:

| Total Assets (in thousands of dollars) | | | | | |
|---|---------------|-----------|--------|---------------|------------------|
| | June 30, 2024 | | | June 30, 2023 | |
| Cash and investments | \$ | 3,213,513 | 42.8% | \$ | 3,028,288 41.9% |
| Accounts receivable, net | | 270,574 | 3.6% | | 292,327 4.0% |
| Capital assets, net | | 3,938,163 | 52.4% | | 3,810,550 52.7% |
| Other assets | | 93,009 | 1.2% | | 104,138 1.4% |
| Total assets | \$ | 7,515,259 | 100.0% | \$ | 7,235,303 100.0% |





DEFERRED OUTFLOWS OF RESOURCES

Deferred outflows of resources represent the consumption of resources applicable to a future reporting period, but do not require a further exchange of goods or services. Deferred outflows represent the consumption of net position applicable to a future reporting period and will not be recognized as expenses or expenditures until then. Certain changes in resources related to the net pension liability (see Note 12, Retirement Plans) and the OPEB liability (see Note 13, Postemployment Benefits) are reported as deferred outflows of resources. The amounts recorded also include accumulated deferred charges on refundings of capital debt.

Deferred outflows decreased \$4,685,000, or 6%, and decreased \$2,849,000, or 4%, in 2024 and 2023, respectively. Changes in deferred outflows are related primarily to the difference between projected and actual earnings on pension plan and OPEB investments, changes in lease receivables, and changes in actuarial assumptions (See Notes 12, Retirement Plans and 13, Postemployment Benefits).

LIABILITIES

Current Liabilities

Current liabilities are those expected to become due and are payable over the course of the next fiscal year. Current liabilities consist of accounts payable, accrued compensation, compensated absences, unearned revenue, current portion of long-term debt and other obligations, and current portion of total other postemployment benefits obligations.

Current liabilities decreased \$9,198,000, or 1%, and increased \$25,351,000, or 4%, in 2024 and 2023, respectively. The decrease in 2024 was primarily attributable to a decrease in the current portion of long-term debt and other obligations of \$16,511,000. This was offset by an increase in unearned revenue of \$7,892,000 and accounts payable and accrued liabilities

of \$4,084,000. The decrease in the current portion of long-term debt and other obligations was primarily driven by principal payments (see Debt and Financing Activity section below for additional information). The increase in unearned revenue was primarily driven by an increase to student fee revenues deferred to future academic terms. The increase to accounts payable and accrued liabilities was primarily driven by the timing of receipt of invoices.

The increase in 2023 was primarily attributable to increases in accounts payable and accrued liabilities of \$92,301,000. This was partially offset by decreases in unearned revenue of \$41,101,000 and the current portion of long-term debt and other obligations of \$22,212,000. The increase in accounts payable and accrued liabilities was primarily driven by pending investment purchases at year end. The decrease in unearned revenue was primarily driven by a decrease in the current portion of unearned revenue associated with nongovernmental grants and contracts. The decrease in the current portion of long-term debt and other obligations was primarily driven by principal payments (see Debt and Financing Activity section below for additional information).

Noncurrent Liabilities

Noncurrent liabilities increased \$55,957,000, or 4%, and decreased \$25,183,000, or 2%, in 2024 and 2023, respectively. The increase in 2024 was primarily attributable to increases in long-term debt and other obligations of \$63,627,000 and net pension liability of \$5,326,000. This was partially offset by a decrease to federal loans payable of \$3,364,000. The increase in long-term debt and other obligations was primarily due to the issuance of the Series 2024A revenue bonds in June 2024 (see Debt and Financing Activity section below for additional information). The increase in net pension liability was primarily due to low market returns as of the measurement date on June 30, 2023 (see Note 12, Retirement Plans). The decrease in federal loans payable was primarily driven by continued repayment of federal government loan obligations.

The decrease in 2023 was primarily attributable to decreases in long-term debt and other obligations of \$52,986,000 and the noncurrent portion of unearned revenue of \$9,965,000. The decrease in long-term debt and other obligations was primarily due to principal payments (see Debt and Financing Activity section below for additional information). The decrease in the noncurrent portion of unearned revenue was primarily driven by a decrease in the noncurrent portion of unearned revenue associated with nongovernmental grants and contracts. This was partially offset by an increase in net pension liability of \$33,228,000 as a result of low market returns during the applicable reporting period.

Debt and Financing Activity

Institutional borrowing capacity is a valuable resource that is actively managed in support of the institutional mission. Total bonds, notes, and right-to-use obligations were \$1,213,857,000 and \$1,171,889,000 at June 30, 2024, and 2023, respectively (see Note 8, Other Liabilities).

The university had debt and financing activity related to bonds and notes occur within fiscal years ended June 30, 2024 and June 30, 2023 (see Note 9, Bonds and Notes Payable).

Commercial paper notes are issued by the university to provide for the temporary financing or refinancing of costs related to certain facilities on all the Indiana University campuses, including costs of issuance of the notes. The university has no credit facilities and no lines or letters of credit for repayment of commercial paper. The university has a self-liquidity backed commercial paper program which guarantees the payment of the maturity amount of any commercial paper notes that are not placed to investors. The university will not cause commercial paper maturities in an aggregate principal amount exceeding \$50,000,000 to mature in any five-business-day period.

On May 10, 2024, both Moody's Investors Service and S&P Global Ratings reaffirmed their ratings for the university's student fee bonds, consolidated revenue bonds, lease-purchase obligations, certificates of participation, and the commercial paper program. The university's outlook is stable under both rating agencies.

| Debt ratings | S&P | Moody's |
|-------------------------------|----------------|----------------|
| Student fee bonds | AAA | Aaa |
| Consolidated revenue bonds | AAA | Aaa |
| Lease-purchase obligations | AAA | Aaa |
| Certificates of participation | AAA | Aaa |
| Commercial paper | A-1+ | P-1 |
| Outlook | Stable | Stable |

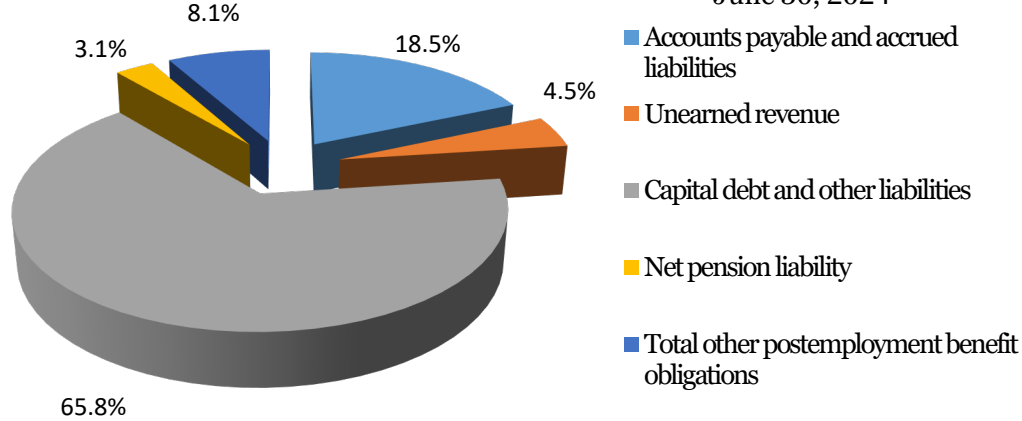
On June 13, 2024, the university issued fixed rate Consolidated Revenue Bonds, Series 2024A ("CRB 2024A") with a par amount of \$102,245,000 which included a current refunding of commercial paper notes. The CRB 2024A proceeds financed the construction of the Research Laboratory Renovations and partially financed the construction of Wright Quadrangle Renovation on the Bloomington campus and were used to defease certain Commercial Paper Notes Series 2021A and certain Commercial Paper Notes Series 2023A. The CRB 2024A proceeds were also used to pay costs to issue the bonds, including underwriters' discount.

The following table and charts represent the composition of total liabilities as of June 30, 2024 and 2023:

| Total Liabilities (in thousands of dollars) | | | | | |
|---|----------------------|------------------|---------------|----------------------|-------------------------|
| | <i>June 30, 2024</i> | | | <i>June 30, 2023</i> | |
| Accounts payable and accrued liabilities | \$ | 379,979 | 18.5% | \$ | 375,895 18.7% |
| Unearned revenue | | 92,191 | 4.5% | | 84,440 4.2% |
| Capital debt and other liabilities | | 1,355,095 | 65.8% | | 1,311,343 65.2% |
| Net pension liability | | 63,355 | 3.1% | | 58,029 2.9% |
| Total other postemployment benefit obligations | | 167,478 | 8.1% | | 181,632 9.0% |
| Total liabilities | \$ | 2,058,098 | 100.0% | \$ | 2,011,339 100.0% |

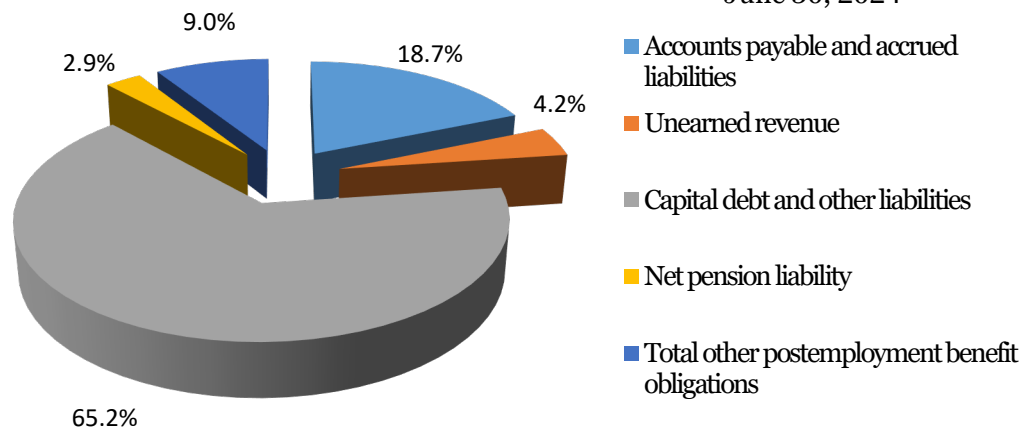
Total Liabilities

June 30, 2024



Total Liabilities

June 30, 2024



DEFERRED INFLOWS OF RESOURCES

Deferred inflows of resources represent the acquisition of resources applicable to a future reporting period, but do not require a further exchange of goods or services. Deferred inflows represent an acquisition of net position applicable to a future reporting period and will not be recognized as revenue until then. Included in these amounts are lease receivables under GASB 87 (see Note 5, Lease Receivable), the net pension liability (see Note 12, Retirement Plans), and the OPEB liability (see Note 13, Postemployment Benefits).

Deferred inflows increased \$3,404,000, or 4%, and decreased \$42,196,000, or 35%, in 2024 and 2023, respectively. Changes in deferred inflows are related to the difference between projected and actual earnings on pension plan and OPEB investments, changes in actuarial assumptions, and changes related to lease receivables.

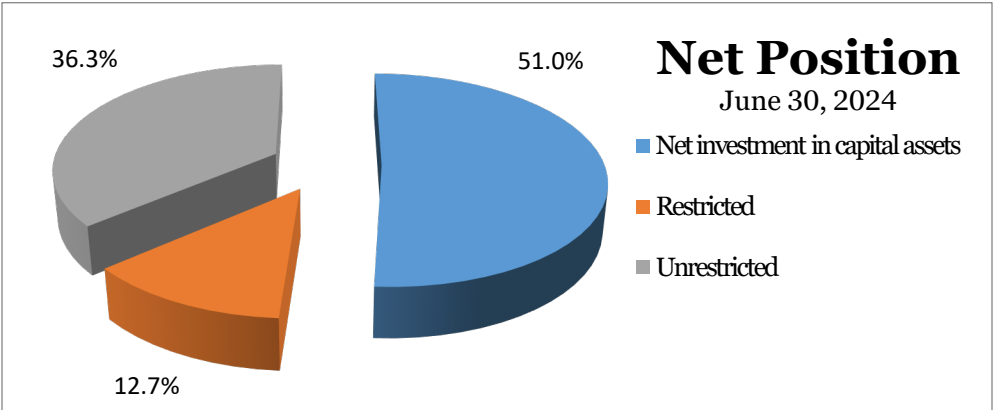
NET POSITION

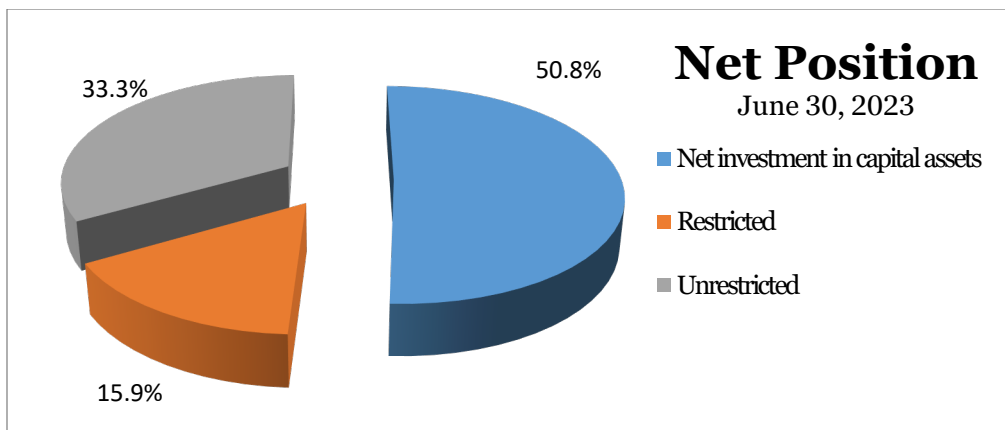
Net position is the residual of all other elements presented in the Statement of Net Position. Net position is classified into three major categories:

- Net investment in capital assets consists of the university’s investment in capital assets, such as equipment, buildings, land, infrastructure, and improvements, net of accumulated depreciation and related debt.
- Restricted net position consists of amounts subject to externally imposed restrictions governing usage and is divided into two sub-categories:
 - Restricted non-expendable funds are subject to externally imposed stipulations that they be retained in perpetuity. These balances represent the corpus (historical value) of the university’s permanent endowment funds.
 - Restricted expendable funds are available for expenditure by the university but must be spent according to restrictions imposed by third parties.
- Unrestricted net position includes amounts institutionally designated or committed to support specific purposes.

The following table and chart represent the composition of net position as of June 30, 2024 and 2023:

| Total Net Position (in thousands of dollars) | | | | | |
|---|---------------|------------------|---------------|---------------|-------------------------|
| | June 30, 2024 | | | June 30, 2023 | |
| Net investment in capital assets | \$ | 2,776,782 | 51.0% | \$ | 2,655,593 50.8% |
| Restricted | | 691,290 | 12.7% | | 831,813 15.9% |
| Unrestricted | | 1,980,831 | 36.3% | | 1,736,389 33.3% |
| Total net position | \$ | 5,448,903 | 100.0% | \$ | 5,223,795 100.0% |





The university's net investment in capital assets reflects the institutional capital investment in sustaining and enhancing the university's mission and strategic plans. The net investment in capital assets increased \$121,189,000, or 5%, and \$74,197,000, or 3%, in 2024 and 2023, respectively. Growth in this area is managed according to the university's long-range capital plans.

Restricted net position decreased \$140,523,000, or 17%, and decreased \$96,866,000, or 10%, in 2024 and 2023, respectively. The decrease in both 2024 and 2023 was primarily due to the timing of spending restricted gifts.

Unrestricted net position is subject to internal designations and commitments for academic and research initiatives, capital projects, and unrestricted quasi- and term-endowment spending plans. Unrestricted net position represents resources available for ongoing operational needs and for funding ongoing obligations, as well as providing flexibility to support the university's mission in changing economic environments. Unrestricted net position increased \$244,442,000, or 14%, and increased \$265,527,000, or 18%, in 2024 and 2023, respectively.

Net position increased \$225,108,000, or 4%, in 2024 and increased \$242,858,000, or 5%, in 2023.

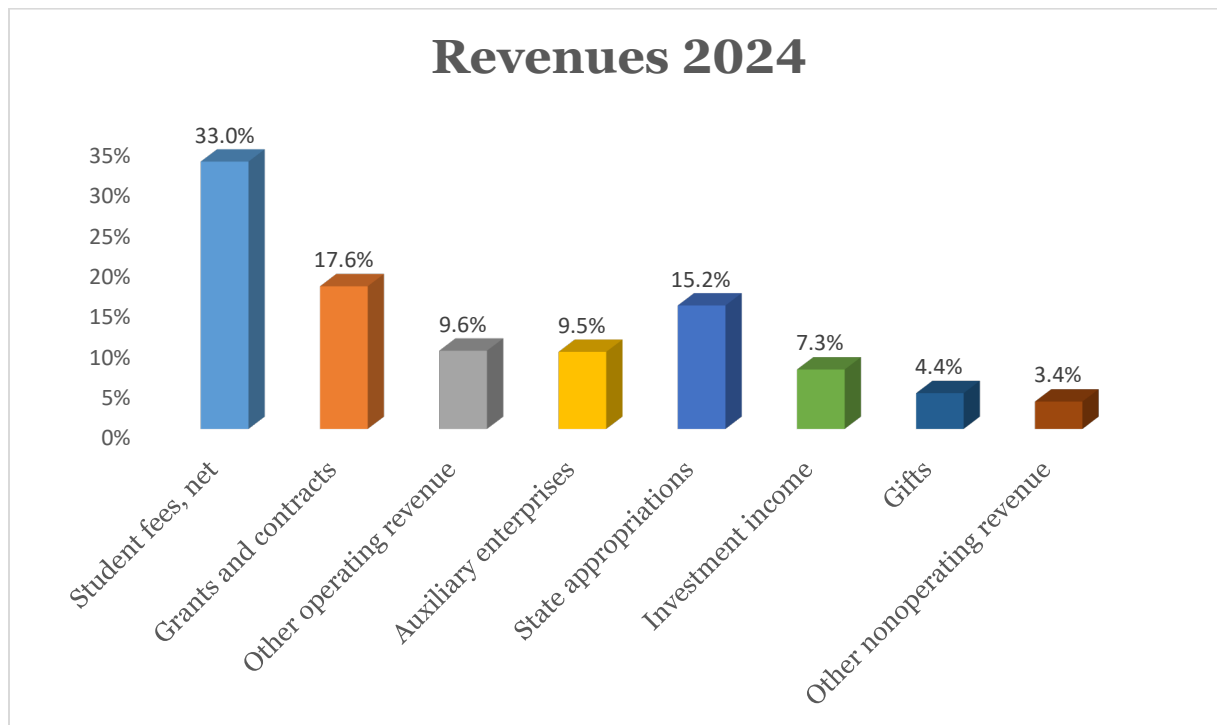
STATEMENT OF REVENUES, EXPENSES, AND CHANGES IN NET POSITION

Revenues and expenses are classified as either operating or nonoperating in accordance with GASB principles for classification into these categories. Trends in the relationship between operating revenues and expenses are important indicators of financial condition. Generally, operating revenues are received for providing goods and services and include tuition and fees, grants and contracts, sales and services, and auxiliary revenues. Scholarship discounts and allowances are calculated as the difference between the stated charges for goods and services provided by the university and the amounts paid by students and/or third parties making payments on behalf of students. Nonoperating revenues include state appropriations, revenue from certain grants and contracts, gifts, and net investment income. Operating expenses are those incurred to conduct the normal operations of the university. Indiana University, as a public university, is required by GASB standards to report certain revenue sources that are an integral part of operations as nonoperating revenues.

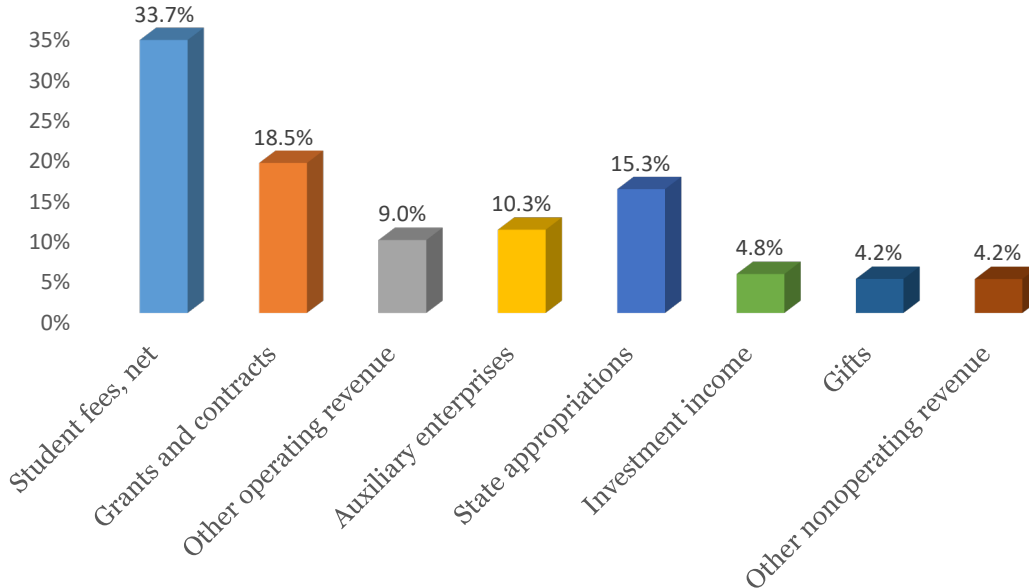
A summarized comparison of the university's revenues, expenses, and changes in net position is presented below:

| Condensed Statement of Revenues, Expenses, and Changes in Net Position <i>(in thousands of dollars)</i> | | | |
|---|--------------------------|----------------------|----------------------|
| | <i>Fiscal Year Ended</i> | | |
| | <i>June 30, 2024</i> | <i>June 30, 2023</i> | <i>June 30, 2022</i> |
| Operating revenues | \$ 2,896,576 | \$ 2,836,932 | \$ 2,640,092 |
| Operating expenses | (3,897,149) | (3,690,143) | (3,503,263) |
| Total operating loss | (1,000,573) | (853,211) | (863,171) |
| Nonoperating revenues | 1,233,388 | 1,106,981 | 1,529,213 |
| Nonoperating expenses | (36,297) | (35,185) | (239,541) |
| Income before other revenues, expenses, gains, or losses | 196,518 | 218,585 | 426,501 |
| Other revenues | 28,590 | 24,273 | 25,725 |
| Increase in net position | 225,108 | 242,858 | 452,226 |
| Net position, beginning of year | 5,223,795 | 4,980,937 | 4,528,711 |
| Net position, end of year | \$ 5,448,903 | \$ 5,223,795 | \$ 4,980,937 |

The following charts represent revenues by major source for fiscal years 2024 and 2023:



Revenues 2023



Operating revenues increased \$59,644,000 or 2%, and increased \$196,840,000 or 7%, during 2024 and 2023, respectively. The university supports its operations with diverse revenue sources, of which the largest single source is student tuition and fees. Tuition and fees, net of scholarship allowances, increased \$35,508,000 and \$48,880,000 during 2024 and 2023, respectively. Tuition and fee revenue is affected by a combination of changes in tuition rates, enrollment, and the mix of student levels and residency. Resident undergraduate tuition increased by 3% in 2024 and 2025 for all campuses. For the 2022-2023 academic year, resident undergraduate tuition rates increased by approximately 1% across all campuses. These increases remain below the rate of inflation and further demonstrate Indiana University's commitment to affordability. The revenue from these modest increases will go to further IU's efforts to recruit and retain an excellent faculty and to support student success. Total operating grant and contract revenues decreased \$8,430,000, or 1%, and increased \$118,405,000, or 19%, during 2024 and 2023, respectively. The increase in 2023 was primarily attributable to increased federal, state, and nongovernmental operating grant and contract activity. Sales and services of education units and other revenue, including hospital and practice plan support for School of Medicine research and other initiatives, increased \$44,600,000, or 13%, and decreased \$5,223,000, or 1%, for 2024 and 2023, respectively. The increase in 2024 was primarily attributable to increased clinical activity at IU School of Medicine. Auxiliary enterprises decreased \$12,034,000, or 3%, and increased \$34,778,000, or 9%, in 2024 and 2023, respectively. The decrease in 2024 was primarily attributable to changes in the meal plan structure. The increase in 2023 was primarily attributable to the increased activity from resuming normal operations after the pandemic.

Operating expenses increased \$207,006,000, or 6%, and increased \$186,880,000, or 5%, in 2024 and 2023, respectively (see Note 14, Functional Expenses). Compensation and benefits, at 64% of total operating expenses in 2024, represents the largest single university expense. Compensation and benefits expense increased \$129,874,000, or 5%, and \$171,791,000, or 8%, in 2024 and 2023, respectively. The increase in both 2024 and 2023 was primarily attributable to increased benefit

costs, headcount, and wages. University benefit plans play a significant role in attracting and retaining employees and the university has implemented initiatives in recent years to control costs without compromising the competitiveness of the benefit package. The university closely monitors benefit plan costs, trends, and benchmarks and implements changes annually to keep plan structures competitive and cost effective. The university's High Deductible Health Plan (HDHP) lowers employer premiums while providing employees with greater control over healthcare spending. Of those enrolled in the health plan, approximately 92% of employees were enrolled in a HDHP in 2024.

The combination of student financial aid expense and scholarship allowances increased \$10,590,000, or 2%, and decreased \$67,348,000, or 12%, and totaled \$567,747,000 and \$557,157,000 in 2024 and 2023, respectively. The increase in 2024 was due to a general increase in total institutional resources provided as financial aid. The decrease in 2023 was due to the reduction of Higher Education Emergency Relief Funding (HEERF) compared to prior year. Supplies and general expenses increased \$55,885,000, or 7%, and increased \$64,668,000, or 9%, in 2024 and 2023, respectively. In addition to payment timing differences, the fluctuations in 2024 and 2023 were spread primarily across auxiliary enterprise, research, academic instruction, and capital facilities functions. Travel expenses increased \$8,934,000, or 16%, and increased \$26,292,000, or 85%, in 2024 and 2023, respectively. The increase in 2024 was due to high inflation rates and increased travel associated with athletics. The increase in 2023 was primarily attributed to increased travel activities, as operations began to normalize post-pandemic, coupled with high inflation rates.

Net nonoperating revenues increased \$125,295,000, or 12%, and decreased \$217,876,000, or 17%, in 2024 and 2023, respectively. Investment income increased \$111,975,000, or 58%, and increased \$394,734,000, or 195%, in 2024 and 2023, respectively. In 2024, the allocation to equities contributed to investment performance, as stocks experienced significant growth worldwide due to easing inflationary pressures and slower interest rate growth. IU's equity investments appreciated 20.4% in fiscal year 2024 and appreciated 17.3% in fiscal year 2023. Interest rates rose in fiscal year 2024, but slower than in fiscal year 2023 as inflation eased. IU's fixed income investments experienced a return of approximately 4.5%. Overall, IU's operating investments increased 10.2% in fiscal year 2024, compared to an increase of 7.3% in fiscal year 2023. Grants, contracts, and other awards decreased \$29,911,000, or 21% and decreased \$92,264,000, or 39% in 2024 and 2023, respectively. The decreases in 2024 and 2023 were primarily due to the exhaustion of HEERF funding as 2024 and 2023 experienced decreases in funding from the prior fiscal years. State operating appropriations are comprised of appropriations to support the primary general educational mission of the university and student fee replacement appropriations for the purpose of reimbursing a portion of the university's debt service for certain academic facilities. The State of Indiana appropriates operating funds to the state's colleges and universities on a performance-based funding model focused on key student success measures. Non-capital state appropriations increased \$27,336,000, or 5%, and increased \$13,302,000, or 2%, in 2024 and 2023, respectively.

The university recognized \$19,098,000 and \$17,158,000 in capital appropriations for repairs, renovations, and improvements across all campuses in 2024 and 2023, respectively. Capital appropriations and capital gifts and grants fluctuate according to the availability of capital appropriations and the timing of funding to the university according to the needs of the schools and campuses.

STATEMENT OF CASH FLOWS

The Statement of Cash Flows provides information about the university's financial results by reporting the major sources and uses of cash during the fiscal year. The statement assists in evaluating the university's ability to generate future net cash flows to meet its obligations as they become due and aids in analysis of the need for external financing. The statement is divided into four sections based on major activity: operating, noncapital financing, capital and related financing, and investing. A fifth section reconciles the operating income or loss on the Statement of Revenues, Expenses, and Changes in Net Position to the net cash provided by (used in) operating activities.

A summarized comparison of the university's changes in cash and cash equivalents (including restricted) is presented below:

| Condensed Statement of Cash Flows <i>(In thousands of dollars)</i> | | | | |
|--|--------------------------|----------------------|----------------------|--|
| | <i>Fiscal Year Ended</i> | | | |
| | <i>June 30, 2024</i> | <i>June 30, 2023</i> | <i>June 30, 2022</i> | |
| Net cash provided by (used in) | | | | |
| Operating activities | \$ (760,468) | \$ (739,443) | \$ (666,722) | |
| Noncapital financing activities | 927,261 | 911,964 | 1,532,656 | |
| Capital and related financing Activities | (347,168) | (356,427) | (292,472) | |
| Investing activities | 287,786 | 96,739 | (579,338) | |
| Net increase (decrease) in cash and cash equivalents (including restricted) | 107,411 | (87,167) | (5,876) | |
| Beginning cash and cash equivalents (including restricted) | 244,934 | 332,101 | 337,977 | |
| Ending cash and cash equivalents (including restricted) | \$ 352,345 | \$ 244,934 | \$ 332,101 | |

The university's cash and cash equivalents, including restricted cash, increased \$107,411,000 and decreased \$87,167,000 in 2024 and 2023, respectively. Net cash flows from operating activities consists primarily of tuition and fees, grants and contracts, and auxiliary enterprise receipts. Payments to employees represent the largest use of cash for operations. Significant sources of nonoperating cash, as defined by GASB, include state appropriations, federal Pell grants, and private noncapital gifts used to fund operating activities. Fluctuations in capital and related financing activities reflect decisions made relative to the university's capital and financing plans. Cash flows from investing activities include the effects of shifts between cash equivalents and longer-term investments.

STATE ECONOMIC OUTLOOK

For fiscal year 2023, state revenue collections were slightly below estimates, by only 0.1%. For fiscal year 2024, revenue missed state estimates by \$14,600,000 based on December 2023 projections; however, year-over-year growth increased substantially by \$426,400,000, a 2.0% increase in general fund revenue.

For fiscal year 2024, positive drivers of revenue included individual income tax, which was \$84,200,000 higher than estimates, and interest earnings which was \$178,800,000 higher than estimates. Sales tax revenues missed estimates by \$85,400,000, corporate tax collections were lower by \$181,500,000 and other smaller revenue sources for the state were \$10,780,000 less than estimates (gaming taxes, cigarette taxes, and vehicle use taxes).

Comparing fiscal year 2023 to fiscal year 2024, the \$426,400,000 revenue variance was primarily driven by higher individual income tax of \$520,400,000 and interest earnings of \$285,100,000. This was offset by declines in sales tax revenue of \$94,800,000, corporate taxes of \$265,500,000, and gaming revenue of \$38,800,000. Sales tax revenues were impacted year-over-year by no longer being distributed to the General Fund, while the corporate tax decline is attributed to the repeal of the utility receipts tax and utility services tax, as well as other factors such as timing of payments and refunds, along with additional changes in state law.

While the state's general fund surplus ended fiscal year 2023 with \$2,926,200,000 in reserves, fiscal year 2024 reserves ended the year with \$2,551,300,000 in reserve funds. The \$2,551,300,000 represents approximately 11.9% of the net combined reserve balance as a percentage of the fiscal year 2024 operating budget. The change in the reserve balance year-over-year was driven by impacts from legislative changes in revenue sources and additional expenses related to state health care programs. The state targets between an 11% to 14% reserve in its general fund, which places the State in a strong financial position. Recent projections by the state indicate the 2025 budget is projected to end with \$2,344,300,000, or 10.4% in reserves.

Indiana University
Statement of Net Position

(in thousands of dollars)

| | Indiana University | | Discretely Presented Component Units | |
|---|---------------------|---------------------|---|---------------------|
| | June 30, 2024 | June 30, 2023 | June 30, 2024 | June 30, 2023 |
| Assets | | | | |
| Current assets | | | | |
| Cash and cash equivalents | \$ 304,298 | \$ 233,712 | \$ 176,105 | \$ 126,703 |
| Collateral under securities lending agreement | – | – | – | 23,214 |
| Accounts receivable, net | 270,574 | 292,327 | 71,126 | 59,527 |
| Current portion of notes receivable | 11,306 | 9,147 | – | – |
| Current portion of lease receivable | 2,336 | 2,653 | – | – |
| Short-term investments | 164,615 | 312,507 | – | – |
| Other assets | 37,202 | 44,519 | 226 | 418 |
| Total current assets | 790,331 | 894,865 | 247,457 | 209,862 |
| Noncurrent assets | | | | |
| Restricted cash and cash equivalents | 48,047 | 11,222 | – | – |
| Notes receivable | 30,320 | 34,627 | – | – |
| Accounts receivable, net | – | – | 204,251 | 232,143 |
| Lease receivable | 11,845 | 13,192 | – | – |
| Investments | 2,696,553 | 2,470,847 | 4,779,971 | 4,465,458 |
| Capital assets, net | 3,938,163 | 3,810,550 | 87,242 | 81,994 |
| Other assets | – | – | 43,044 | 39,851 |
| Total noncurrent assets | 6,724,928 | 6,340,438 | 5,114,508 | 4,819,446 |
| Total assets | 7,515,259 | 7,235,303 | 5,361,965 | 5,029,308 |
| Deferred outflows of resources | 72,335 | 77,020 | – | – |
| Liabilities | | | | |
| Current liabilities | | | | |
| Accounts payable and accrued liabilities | 379,979 | 375,895 | 61,711 | 48,112 |
| Current portion of unearned revenue | 86,970 | 79,078 | – | – |
| Collateral under securities lending agreement | – | – | – | 23,214 |
| Current portion of long-term debt and other obligations | 174,080 | 190,591 | 8,927 | 324 |
| Current portion of total other postemployment benefit obligations | 12,969 | 17,632 | – | – |
| Total current liabilities | 653,998 | 663,196 | 70,638 | 71,650 |
| Noncurrent liabilities | | | | |
| Federal loans payable | 44,295 | 47,659 | – | – |
| Unearned revenue | 5,221 | 5,362 | – | – |
| Assets held for the University and Affiliates | – | – | 565,429 | 521,606 |
| Long-term debt and other obligations | 1,136,720 | 1,073,093 | 149,216 | 158,114 |
| Net pension liability | 63,355 | 58,029 | – | – |
| Total other postemployment benefit obligations | 154,509 | 164,000 | – | – |
| Other noncurrent liabilities | – | – | 43,710 | 42,301 |
| Total noncurrent liabilities | 1,404,100 | 1,348,143 | 758,355 | 722,021 |
| Total liabilities | 2,058,098 | 2,011,339 | 828,993 | 793,671 |
| Deferred inflows of resources | 80,593 | 77,189 | – | – |
| Net Position | | | | |
| Net investment in capital assets | 2,776,782 | 2,655,593 | 87,242 | 73,068 |
| Restricted for: | | | | |
| Nonexpendable - endowments | 45,988 | 46,267 | 2,507,742 | 2,377,157 |
| Expendable: | | | | |
| Scholarships, research, instruction, and other | 442,900 | 519,369 | 1,185,916 | 1,114,691 |
| Loans | 30,832 | 26,256 | – | – |
| Capital projects | 106,574 | 222,923 | 155,965 | 156,829 |
| Debt service | 64,996 | 16,998 | – | – |
| Unrestricted | 1,980,831 | 1,736,389 | 596,107 | 513,892 |
| Total net position | \$ 5,448,903 | \$ 5,223,795 | \$ 4,532,972 | \$ 4,235,637 |

The accompanying notes to the financial statements are an integral part of this statement.

Indiana University
Statement of Revenues, Expenses, and Changes in Net Position

(in thousands of dollars)

| | Indiana University | | Discretely Presented Component Units | |
|---|---------------------|---------------------|--------------------------------------|--------------------|
| | Fiscal Year Ended | | Fiscal Year Ended | |
| | June 30, 2024 | June 30, 2023 | June 30, 2024 | June 30, 2023 |
| Operating revenues | | | | |
| Tuition and fees (net of scholarship allowance of \$341,829 in 2024 and \$349,535 in 2023) | \$ 1,371,522 | \$ 1,336,014 | \$ – | \$ – |
| Federal grants and contracts | 536,115 | 515,467 | 774 | 73 |
| State and local grants and contracts | 30,462 | 33,337 | – | – |
| Nongovernmental grants and contracts | 161,952 | 188,155 | 20,743 | 20,301 |
| Sales, services of educational units, and other revenue | 401,282 | 356,682 | 26,482 | 24,607 |
| Auxiliary enterprises (net of scholarship allowance of \$58,504 in 2024 and \$50,035 in 2023) | 395,243 | 407,277 | – | – |
| Total operating revenues | 2,896,576 | 2,836,932 | 47,999 | 44,981 |
| Operating expenses | | | | |
| Compensation and benefits | 2,507,501 | 2,377,627 | 62,719 | 53,507 |
| Student financial aid | 167,414 | 157,587 | 67,312 | 60,317 |
| Energy and utilities | 84,121 | 88,975 | 330 | 442 |
| Travel | 66,142 | 57,208 | 3,902 | 3,291 |
| Supplies and general expense | 861,961 | 806,076 | 207,555 | 224,085 |
| Depreciation and amortization expense | 210,010 | 202,670 | 3,978 | 3,711 |
| Total operating expenses | 3,897,149 | 3,690,143 | 345,796 | 345,353 |
| Total operating loss | (1,000,573) | (853,211) | (297,797) | (300,372) |
| Nonoperating revenues (expenses) | | | | |
| State appropriations | 633,274 | 605,938 | – | – |
| Grants and contracts | 111,494 | 141,405 | – | – |
| Investment income (loss) | 304,791 | 192,816 | 364,243 | 177,928 |
| Gifts | 183,546 | 166,551 | 94,348 | 194,379 |
| Interest income | 283 | 271 | – | – |
| Interest expense | (36,297) | (35,185) | (328) | (338) |
| Net nonoperating revenues | 1,197,091 | 1,071,796 | 458,263 | 371,969 |
| Income (loss) before other revenues, expenses, gains, or losses | 196,518 | 218,585 | 160,466 | 71,597 |
| Capital appropriations | 19,098 | 17,158 | – | – |
| Capital gifts and grants | 9,463 | 6,766 | – | – |
| Additions to permanent endowments | 29 | 349 | 136,869 | 87,463 |
| Total other revenues | 28,590 | 24,273 | 136,869 | 87,463 |
| Increase (decrease) in net position | 225,108 | 242,858 | 297,335 | 159,060 |
| Net position, beginning of year | 5,223,795 | 4,980,937 | 4,235,637 | 4,076,577 |
| Net position, end of year | \$ 5,448,903 | \$ 5,223,795 | \$4,532,972 | \$4,235,637 |

The accompanying notes to the financial statements are an integral part of this statement.

Indiana University
Statement of Cash Flows

(in thousands of dollars)

| | Fiscal Year Ended | |
|---|-------------------|-------------------|
| | June 30, 2024 | June 30, 2023 |
| Cash Flows from Operating Activities | | |
| Student fees | \$ 1,380,618 | \$ 1,327,184 |
| Grants and contracts | 733,240 | 677,084 |
| Sales and services of educational activities, and other revenue | 371,899 | 357,460 |
| Auxiliary enterprise charges | 398,673 | 404,251 |
| Payments to employees | (2,501,900) | (2,378,390) |
| Payments to suppliers | (978,935) | (971,118) |
| Student financial aid | (166,910) | (159,198) |
| Student loans collected | 5,628 | 9,499 |
| Student loans issued | (2,808) | (6,243) |
| Direct lending receipts | 493,510 | 491,456 |
| Direct lending payments | (493,483) | (491,428) |
| Net cash used in operating activities | (760,468) | (739,443) |
| Cash Flows from Noncapital Financing Activities | | |
| State appropriations | 633,274 | 605,938 |
| Nonoperating grants and contracts | 111,494 | 141,405 |
| Gifts and grants received for other than capital purposes | 182,493 | 164,621 |
| Net cash provided by noncapital financing activities | 927,261 | 911,964 |
| Cash Flows from Capital and Related Financing Activities | | |
| Capital appropriations | 19,098 | 17,158 |
| Capital grants and gifts received | 4,681 | 8,369 |
| Purchase of capital assets | (313,293) | (231,698) |
| Proceeds from issuance of capital debt, including refunding and other long-term obligations | 143,711 | 13,463 |
| Interest received on lease receivable | 283 | 271 |
| Payments received on lease receivable | 2,849 | 2,838 |
| Principal payments on capital debt | (119,119) | (88,814) |
| Principal paid on leases and subscriptions | (42,915) | (34,506) |
| Interest paid on capital debt, leases, and subscriptions | (42,463) | (43,508) |
| Net cash used in capital and related financing activities | (347,168) | (356,427) |
| Cash Flows from Investing Activities | | |
| Proceeds from sales and maturities of investments | 3,321,638 | 3,193,876 |
| Investment income | 137,579 | 77,925 |
| Purchases of investments | (3,171,431) | (3,175,062) |
| Net cash provided by investing activities | 287,786 | 96,739 |
| Net increase (decrease) in cash and cash equivalents (including restricted) | 107,411 | (87,167) |
| Cash and cash equivalents (including restricted), beginning of year | 244,934 | 332,101 |
| Cash and cash equivalents (including restricted), end of year | \$ 352,345 | \$ 244,934 |

The accompanying notes to the financial statements are an integral part of this statement.

(continued from previous page)

Reconciliation of cash and cash equivalents to the Statement of Net Position:

(in thousands of dollars)

| | Fiscal Year Ended | |
|---|--------------------------|----------------------|
| | June 30, 2024 | June 30, 2023 |
| Cash and cash equivalents in current assets | \$ 304,298 | \$ 233,712 |
| Restricted cash and cash equivalents | 48,047 | 11,222 |
| Total cash and cash equivalents | \$ 352,345 | \$ 244,934 |

Reconciliation of operating loss to net cash used in operating activities:

(in thousands of dollars)

| | Fiscal Year Ended | |
|---|--------------------------|----------------------|
| | June 30, 2024 | June 30, 2023 |
| Operating loss | \$ (1,000,573) | \$ (853,211) |
| Adjustments to reconcile operating loss to net cash used in operating activities: | | |
| Amortization of deferred inflows lease receivable | (1,980) | (3,134) |
| Depreciation and amortization expense | 210,010 | 202,670 |
| Loss on disposal of capital assets | 3,567 | 2,177 |
| Changes in assets, deferred outflows, liabilities, and deferred inflows: | | |
| Accounts receivable | (15,083) | (20,584) |
| Other assets | 7,317 | 9,551 |
| Notes receivable | 2,146 | 2,679 |
| Accounts payable and accrued liabilities | 24,381 | (24,102) |
| Unearned revenue | 7,750 | (50,796) |
| Federal loans payable | (3,365) | (1,990) |
| Net pension liability and related deferred outflows and inflows | 1,278 | (2,568) |
| Postemployment benefits liability and related deferred outflows and inflows | (1,451) | (4,282) |
| Other noncurrent liabilities | 5,535 | 4,147 |
| Net cash used in operating activities | \$ (760,468) | \$ (739,443) |

The accompanying notes to the financial statements are an integral part of this statement.

Supplemental Noncash Activities Information

The university had significant noncash activities related to right-to-use assets acquired with right-to-use obligations of \$69,173,000 and \$41,357,000 during fiscal years ended June 30, 2024 and 2023, respectively.

Note 1—Organization and Summary of Significant Accounting Policies

ORGANIZATION: Indiana University (the “university”) is a major public research institution with fiscal responsibility for operations on seven campuses. Core campuses are located in Bloomington and Indianapolis (“IU Indianapolis”), and regional campuses are located in Richmond (“IU East”), Kokomo (“IU Kokomo”), Gary (“IU Northwest”), South Bend (“IU South Bend”), and New Albany (“IU Southeast”). The financial statements include the individual schools, colleges, and departments as part of the comprehensive reporting entity. The university was established by state legislative act in 1838, changing the name of its predecessor, Indiana College, to Indiana University. The university’s governing body, the Trustees of Indiana University (the “trustees”), comprises nine members charged by Indiana statutes with policy and decision-making authority to carry out the programs and missions of the university. Six of the members are appointed by the Governor of Indiana, and three are elected by university alumni. The university is a state-sponsored institution and is classified as exempt from federal income tax as an integral part of the State of Indiana. Certain revenues of the university may be subject to federal income tax as unrelated business income under Internal Revenue Code Sections 511 to 514.

BASIS OF PRESENTATION: The university’s fiscal year ends on June 30th. All references herein for the years 2024 and 2023 represent the fiscal year ended June 30, 2024 and 2023, respectively. The university’s financial statements have been prepared in accordance with accounting principles generally accepted in the United States of America, as prescribed by the Governmental Accounting Standards Board (GASB). The university reports on a consolidated basis with a comprehensive, entity-wide presentation of the university’s assets and deferred outflows, liabilities and deferred inflows, net position, revenues, expenses, changes in net position, and cash flows. Significant intra-university transactions are eliminated upon consolidation. The university follows all applicable GASB pronouncements. Unless otherwise specified, amounts presented within the notes to financial statements are rounded to the nearest thousands.

The university reports as a special-purpose government entity engaged primarily in business-type activities, as defined by GASB. Accordingly, these financial statements have been presented using the economic resources measurement focus and the accrual basis of accounting. Business-type activities are those that are financed in whole or in part by fees charged to external parties for goods and services.

As a component unit of the State, the university is included as a discrete entity in the State of Indiana’s Annual Comprehensive Financial Report.

USE OF ESTIMATES: The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect certain reported amounts and disclosures. Actual results could differ from those estimates.

REPORTING ENTITY: The financial reporting entity consists of the primary government, organizations for which the primary government is financially accountable, and other organizations for which the nature and significance of their relationship with the primary government are such that exclusion would cause the reporting entity’s financial statements to be misleading or incomplete. GASB Statement No. 14, *The Financial Reporting Entity*, as amended by GASB Statement No. 80, *Blending Requirements for Certain Component Units*, as well as additional requirements of GASB Statement No. 39, *Determining Whether Certain Organizations Are Component Units*, as amended by GASB Statement No. 61, *The Financial Reporting Entity*:

Omnibus, provide criteria for determining whether certain organizations should be reported as component units based on the nature and significance of their relationship with a primary government and classifies reporting requirements for these organizations. Based on these criteria, the financial report includes the university and its blended and discretely presented component units.

DISCRETELY PRESENTED COMPONENT UNITS: The Indiana University Foundation, Inc. (IU Foundation) is organized as a not-for-profit corporation under the laws of the State of Indiana for the exclusive purpose of supporting the university by receiving, holding, investing, and administering assets and making expenditures to or for the benefit of the university. As a tax-exempt organization that would be misleading to exclude, the IU Foundation is considered a component unit of the university, which requires discrete presentation.

The IU Foundation is a not-for-profit organization that reports under Financial Accounting Standards Board (FASB) standards, including FASB Statement Accounting Standards Codification (ASC) Topic 958, Not-for-Profit Entities. As such, certain revenue recognition criteria and presentation features differ from GASB revenue recognition criteria and presentation features. No modifications have been made to the IU Foundation's financial information in the university's financial reporting to adjust for these differences. The IU Foundation distributed \$190,228,000 and \$182,236,000 to the university during fiscal years 2024 and 2023, respectively. Complete financial statements for the IU Foundation can be obtained from: Indiana University Foundation, Attn: Controller, 1500 N. State Road 46 Bypass, Bloomington, IN 47408.

The James Whitcomb Riley Memorial Association, Inc., d/b/a Riley Children's Endowment (Riley) is organized as a not-for-profit corporation under the laws of the State of Indiana to fund and support the Riley Hospital for Children, fund medical research dedicated to the treatment and care of disabled and sick children in conjunction with the Riley Hospital, and securing and maintaining endowment funds to benefit children and other initiatives. The university has the ability to appoint the voting majority of Riley's board of directors and to remove appointed directors of Riley's board at will. As a result, Riley is considered a component unit of the university, which requires discrete presentation.

Riley is a not-for-profit organization that reports under Financial Accounting Standards Board (FASB) standards, including FASB Statement Accounting Standards Codification (ASC) Topic 958, Not-for-Profit Entities. As such, certain asset and revenue recognition criteria and presentation features differ from GASB asset and revenue recognition criteria and presentation features. No modifications have been made to the Riley's financial information in the university's financial reporting to adjust for these differences. Complete financial statements for Riley can be obtained from: 500 North Meridian Street, Suite 100, Indianapolis, IN 46204-3509.

The IU Medical Group Foundation, Inc. (IUMG) is organized as a not-for-profit corporation under the laws of the State of Indiana to acquire, manage, and distribute funds for the benefit of the Indiana University School of Medicine and Indiana University Health Care Associates. The university has the ability to appoint the voting majority of IUMG's board of directors, and there is a financial benefit relationship with IUMG. As a result, IUMG is considered a component unit of the university, which requires discrete presentation.

IUMG is a not-for-profit organization that reports under Financial Accounting Standards Board (FASB) standards, including FASB Statement Accounting Standards Codification (ASC) Topic 958, Not-for-Profit Entities. As such, certain asset and revenue

recognition criteria and presentation features differ from GASB asset and revenue recognition criteria and presentation features. No modifications have been made to the IUMG's financial information in the university's financial reporting to adjust for these differences. Complete financial statements for IUMG can be obtained from: 340 W 10th St # Fs5100, Indianapolis, IN 46202.

The Regenstrief Institute, Inc. ("Institute") is organized as a not-for-profit corporation under the laws of the State of Indiana to integrate research discovery, technological advances, and systems improvement into the practice of medicine. The university has the ability to appoint the voting majority of the Institute's board of directors and to remove appointed directors of the Institute's board at will. As a result, the Institute is considered a component unit of the university, which requires discrete presentation.

The Institute is a not-for-profit organization that reports under Financial Accounting Standards Board (FASB) standards, including FASB Statement Accounting Standards Codification (ASC) Topic 958, Not-for-Profit Entities. As such, certain asset and revenue recognition criteria and presentation features differ from GASB asset and revenue recognition criteria and presentation features. No modifications have been made to the Institute's financial information in the university's financial reporting to adjust for these differences. Complete financial statements for the Institute can be obtained from: 1101 West 10th Street, Indianapolis, IN 46202.

BLENDED COMPONENT UNITS: In September 2008, the Trustees of Indiana University directed, by resolution, that the Indiana University Building Corporation (IUBC) be formed to serve specific purposes on behalf of the university and designated that certain university administrative officers, by virtue of their titles, serve as directors and officers of IUBC. The sole purpose of IUBC is to assist the university in the financing and development of university facilities by owning and leasing such facilities to the university on a lease-purchase basis. The IUBC is reported as a blended component unit of the university and is consolidated within the university's financial statements. IUBC activity is not material to the university's financial statements.

CASH AND CASH EQUIVALENTS: Cash and cash equivalents includes highly liquid investments with original maturities of 90 days or less that bear little or no market risk. Restricted cash contains proceeds received from debt issues for the purpose of financing major capital projects.

ACCOUNTS RECEIVABLE: Accounts receivable consists primarily of amounts due from students, grants and contracts, and auxiliary enterprises and are recorded net of estimated uncollectible amounts.

LEASE RECEIVABLES: The university is a lessor for noncancelable leases of tangible property. The university recognizes a lease receivable and a deferred inflow of resources in the financial statements. At the commencement of a lease, the university initially measures the lease receivable at the present value of fixed payments expected to be received during the lease term. Subsequently, the lease receivable is reduced by the principal portion of lease payments received. The deferred inflow of resources is initially measured as the initial amount of the lease receivable, adjusted for lease payments received at or before the lease commencement date. Subsequently, the deferred inflow of resources is recognized as revenue over the lease term. The university monitors changes in circumstances that would require a remeasurement of its lease and will remeasure the lease receivable and deferred inflows of resources if certain changes occur that are expected to significantly affect the amount of the lease receivable.

Key estimates and judgments include how the university determines the lease term and the discount rate it uses to discount the expected lease receipts to present value. The lease term includes the noncancelable period of the lease. The university uses the actual rate charged to lessees as the discount rate for leases. When the interest rate is not provided in the agreement, the university generally uses an estimated incremental borrowing rate as the discount rate.

NOTES RECEIVABLE: Notes receivable consists primarily of student loan repayments due to the university.

INVESTMENTS: Investments are stated at fair value, which represents the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants. The university values its investments using a hierarchy of valuation inputs based upon the extent to which the inputs are observable in the marketplace.

Realized and unrealized gains and losses are reported as a component of investment income in the Statement of Revenues, Expenses, and Changes in Net Position.

DONOR RESTRICTED ENDOWMENTS: Under Indiana law set forth in Indiana code 30-2-12, *Uniform Prudent Management of Institutional Funds Act (UPMIFA)*, the Board acts in a fiduciary capacity with respect to its endowment funds. UPMIFA requires that the Board exercise its fiduciary duties prudently and consider both the charitable purposes and needs of the university and the purposes of the specific endowment regarding current expenditures and preservation of the purchasing power of the funds.

The majority of the university endowment and quasi-endowment funds are invested in the IU Foundation's Pooled Long-Term fund. The spending policy of the IU Foundation is to distribute 4.5%, banded for inflation, of the twelve-quarter rolling average of pooled long-term fund share values multiplied by the current number of shares held. For university endowment and quasi-endowment funds not held at IU Foundation, the university uses a spending policy that mirrors the IU Foundation spending policy.

The amounts of net appreciation on investments of donor-restricted endowments that are available for expenditure are \$53,398,000 and \$51,102,000 as of June 30, 2024 and 2023, respectively. These amounts are reported as restricted, expendable for scholarships, research, instruction, and other in net position.

CAPITAL ASSETS: Capital assets are recorded at cost at the date of acquisition or estimated acquisition value at the date of contribution in the case of gifts. Right-to-use assets, which include lease assets and subscription assets are recorded at the present value of the contract payments. The university capitalizes equipment with a cost of \$5,000 or more and a useful life in excess of one year. Capital assets also include land improvements and infrastructure costing in excess of \$75,000. Buildings and building renovations that increase the useful life of the building costing \$75,000 or more are capitalized. Intangible assets with a cost of \$500,000 or more are subject to capitalization. Art and museum objects purchased by or donated to the university are capitalized if the value is \$5,000 or greater. Subscription assets are capitalized if the present value of the contract payments is \$100,000 or more. Interest costs incurred during construction are expensed. Depreciation expense is computed using the straight-line method over the estimated useful lives of the respective assets, generally three to twenty years for equipment, ten years for library books, ten to forty years for infrastructure and land improvements, and fifteen to forty years for buildings and building improvements. Right-to-use assets are amortized over the term of the contract, which is typically between two to forty

years. Useful lives for capital assets are established using a combination of the American Hospital Association guidelines, Internal Revenue Service guidelines, and documented university experience. Land and capitalized art and museum collections are not depreciated.

RIGHT-TO-USE ASSETS AND OBLIGATIONS: The university recognizes right-to-use obligations and intangible right-to-use assets in the financial statements stemming from leases of tangible property and subscriptions of intangible information technology assets. Right-to-use obligations are reported with long-term debt and other obligations on the statement of net position, and right-to-use assets are reported with other capital assets.

At the commencement of a lease, the university initially measures the lease obligation at the present value of payments expected to be made during the lease term composed of fixed payments and purchase option price that the university reasonably expects to exercise. Subsequently, the lease obligation is reduced by the principal portion of lease payments made. The lease asset is initially measured as the initial amount of the lease obligation, adjusted for lease payments made at or before the lease commencement date, plus certain initial direct costs. Subsequently, the lease asset is amortized on a straight-line basis over 1) its remaining useful life if transfer of ownership is expected at the end of the term, or 2) shorter of the contract term or remaining useful life. For nondepreciable assets, such as land, the right-to-use asset is not amortized.

At the commencement of a subscription, the university initially measures the subscription obligation at the present value of fixed payments expected to be made during the subscription term. Subsequently, the subscription obligation is reduced by the principal portion of subscription payments made. The subscription asset is initially measured as the initial amount of the subscription obligation, adjusted for subscription payments made at or before the subscription commencement date, plus initial implementation costs. Subsequently, the subscription asset is depreciated on a straight-line basis over the subscription term.

The university monitors changes in circumstances that would require a remeasurement of its right-to-use obligations and will remeasure the right-to-use asset and obligation if certain changes occur that are expected to significantly affect the amount of the obligation.

Key estimates and judgments related to right-to-use obligations include how the university determines the contract term and the discount rate it uses to discount the expected subscription payments to present value. The term includes the noncancelable period of the contract. The university uses the interest rate charged by the lessor or vendor as the discount rate. When the interest rate charged is not provided, the university generally uses an estimated incremental borrowing rate as the discount rate.

DEFERRED OUTFLOWS OF RESOURCES: In addition to assets, the Statement of Net Position reports a separate section for deferred outflows of resources. This separate financial statement element represents a consumption of net position that applies to a future period and will not be recognized as an outflow of resources (expense/expenditure) until then. Deferred outflows of resources represent the consumption of resources that are applicable to a future reporting period, but do not require a further exchange of goods or services. Deferred outflows for the university were as follows:

(dollar amounts presented in thousands)

| <i>Deferred Outflows of Resources Related to:</i> | <i>June 30, 2024</i> | <i>June 30, 2023</i> |
|--|----------------------|----------------------|
| Accumulated deferred charges on refundings of capital debt | \$ 4,529 | \$ 5,944 |
| Net pension liability under GASB No. 68, <i>Accounting and Financial Reporting for Pensions</i> (see Note 12, Retirement Plans) | 25,870 | 23,167 |
| Total OPEB liability under GASB No. 75, <i>Accounting and Financial Reporting for Postemployment Benefits Other Than Pensions</i> (see Note 13, Postemployment Benefits) | 41,936 | 47,909 |
| Total deferred outflows of resources | \$ 72,335 | \$ 77,020 |

COMPENSATED ABSENCES: Liabilities for compensated absences are recorded for vacation leave based on actual earned amounts for eligible employees who qualify for termination payments. Liabilities for sick leave are recorded for employees who are eligible for and have earned termination payments for accumulated sick days upon termination or retirement.

UNEARNED REVENUE: Unearned revenue is recorded for current cash receipts of student tuition and fees and certain auxiliary goods and services that are received in advance of providing services. Also included are amounts received from contract and grant sponsors that have not yet been earned.

DEFERRED INFLOWS OF RESOURCES: In addition to liabilities, the Statement of Net Position reports a separate section for deferred inflows of resources. This separate financial statement element represents an acquisition of net position that applies to a future period and will not be recognized as an inflow of resources (revenue) until that time. Deferred inflows of resources represent the acquisition of resources that are applicable to a future reporting period, but do not require a further exchange of goods or services. Deferred inflows for the university were as follows:

(dollar amounts presented in thousands)

| <i>Deferred Inflows of Resources Related to:</i> | <i>June 30, 2024</i> | <i>June 30, 2023</i> |
|--|----------------------|----------------------|
| Lease receivable under GASB No. 87, <i>Leases</i> | \$ 12,841 | \$ 14,821 |
| Net pension liability under GASB No. 68, <i>Accounting and Financial Reporting for Pensions</i> (see Note 12, Retirement Plans) | 6,699 | 8,044 |
| Total OPEB liability under GASB No. 75, <i>Accounting and Financial Reporting for Postemployment Benefits Other Than Pensions</i> (see Note 13, Postemployment Benefits) | 61,053 | 54,324 |
| Total deferred inflows of resources | \$ 80,593 | \$ 77,189 |

NET POSITION: The university's net position is classified for financial reporting in the following categories:

- *Net investment in capital assets:* This component of net position includes capital assets, net of accumulated depreciation and outstanding principal debt balances related to the acquisition, construction, or improvement of those assets.
- *Restricted—nonexpendable:* Assets included in the nonexpendable restricted net position category are subject to externally imposed stipulations that the principal is to be maintained in perpetuity and invested for the purpose of producing present and future income, which may be either expended or added to principal. Such assets include permanent endowment funds.

- *Restricted—expendable*: Resources classified as restricted and expendable are those for which the university is legally obligated to spend in accordance with externally imposed stipulations or those stipulations that expire with the passage of time.
- *Unrestricted*: Unrestricted resources are not subject to externally imposed restrictions and are primarily used for meeting expenses for academic and general operations of the university.

When an expense is incurred for which both restricted and unrestricted resources are available, the university's policy is to apply the most appropriate fund source based on the relevant facts and circumstances.

REVENUES AND EXPENSES: University revenues and expenses are classified as either operating or nonoperating as follows:

- *Operating revenues*: Operating revenues result from exchange transactions, such as student tuition and fees (net of scholarship discounts and allowances), government and other grants and contracts, and sales and services of auxiliary enterprises (net of scholarship discounts and allowances).
- *Operating expenses*: Operating expenses are incurred to support exchange transactions resulting in operating revenue. Examples include compensation and benefits, student financial aid, and supplies and general expense.
- *Nonoperating revenues and expenses*: Nonoperating revenues and expenses include those derived from non-exchange transactions such as gifts, certain federal and state grants, and interest expense. Nonoperating revenues include significant revenue sources that are relied upon for operations, such as state appropriations, federal Pell grants, and investment income.

SCHOLARSHIP DISCOUNTS AND ALLOWANCES: Student tuition and fees and other student revenues are reported net of scholarship discounts and allowances in the Statement of Revenues, Expenses, and Changes in Net Position. Scholarship discounts and allowances are calculated as the difference between the stated charges for goods and services provided by the university and the amounts paid by students and/or third parties making payments on behalf of students.

RESTATEMENT: During the fiscal year ended June 30, 2024, the university recorded an adjustment to correct an error related to pending investment sales and pending investment purchases which were previously netted within Cash and Cash Equivalents. The reclassification impacted Cash and Cash Equivalents, Accounts Receivable, and Accounts Payable and Accrued Liabilities for all periods presented. Pending investment purchases are classified as payables and pending investment sales are classified as receivables (gross) under trade date accounting. The amount reclassified from Cash to Accounts Receivable was \$120,850,000 for the fiscal year June 30, 2023. The amount reclassified from Cash to Accounts Payable was \$202,659,000 for the fiscal year ended June 30, 2023. There was no impact to net position for the fiscal year ended June 30, 2023.

ACCOUNTING PRONOUNCEMENTS RECENTLY ADOPTED: During the fiscal year ending June 30, 2024, the university adopted GASB Statement No. 100, *Accounting Changes and Error Corrections*. The primary objective of this Statement is to enhance accounting and financial reporting requirements for accounting changes and error corrections to provide more understandable, reliable, relevant, consistent, and comparable information for making decisions or assessing accountability. The university had a reclassification in the financial statements which is further described within Note 1, Organization and Summary of Significant Accounting Policies.

Effective for fiscal year ended June 30, 2024, the university adopted paragraphs 4 through 10 of GASB Statement No. 99, *Omnibus 2022*. These provisions establish or amend accounting and financial reporting requirements for specific issues related to financial guarantees and derivative instruments. The adoption of this guidance by the university did not have a significant impact on its financial statements.

ACCOUNTING PRONOUNCEMENTS NOT YET ADOPTED: In April 2024, the Governmental Accounting Standards Board issued GASB Statement No. 103, *Financial Reporting Model Improvements*, which improves the financial reporting model to enhance its effectiveness in providing information for decision making and assessing accountability and addresses certain application issues. The provisions of this statement are effective for the university's financial statements for the year ending June 30, 2026. The university is in the process of determining the full impact of this standard on its financial statements.

In December 2023, the Governmental Accounting Standards Board issued GASB Statement No. 102, *Certain Risk Disclosures*. This statement establishes financial reporting requirements for risks related to vulnerabilities due to certain concentrations or constraints. The provisions of this statement are effective for the university's financial statements for the year ending June 30, 2025. The university is in the process of determining the full impact of this standard on its financial statements.

In June 2022, the Governmental Accounting Standards Board issued GASB Statement No. 101, *Compensated Absences*, which updates the recognition and measurement guidance for compensated absences under a unified model. This statement requires that liabilities for compensated absences be recognized for leave that has not been used and leave that has been used but not yet paid in cash or settled through noncash means and establishes guidance for measuring a liability for leave that has not been used. It also updates disclosure requirements for compensated absences. The provisions of this statement are effective for the university's financial statements for the year ending June 30, 2025. The university is in the process of determining the full impact of this standard on its financial statements.

Note 2—Deposits and Investments

DEPOSITS AND INVESTMENTS: The trustees have acknowledged responsibility as a fiduciary body for the invested assets of the university. Indiana Code 30-4-3-3 requires the trustees to “exercise the judgment and care required by Indiana Code 30-4-3.5,” the *Indiana Uniform Prudent Investor Act*. That act requires the trustees to act “as a prudent investor would, by considering the purposes, terms, distribution requirements, and other circumstances of the trust. In satisfying this standard, the trustee shall exercise reasonable care, skill, and caution.” The trustees have the responsibility to ensure the assets are prudently invested in a manner consistent with the university's investment policy. The trustees have delegated the day-to-day responsibilities for overseeing the investment program to the Office of the Treasurer.

At June 30, 2024 and 2023, the university had deposits and investments, including endowment funds, as shown below:

(dollar amounts presented in thousands)

| | <i>June 30, 2024</i> | <i>June 30, 2023</i> |
|---------------------------------------|----------------------|----------------------|
| Cash and cash equivalents | 304,298 | \$ 233,712 |
| Short-term investments | 164,615 | 312,507 |
| Restricted cash and cash equivalents | 48,047 | 11,222 |
| Investments | 2,696,553 | 2,470,847 |
| Total deposits and investments | \$ 3,213,513 | \$ 3,028,288 |

At June 30, 2024, pending purchases consisted of \$181,922,000 in payables and receivables of \$82,616,000 related to unsettled trades. At June 30, 2023, pending purchases consisted of \$202,659,000 in payables and receivables of \$120,850,000 related to unsettled trades.

CUSTODIAL CREDIT RISK – DEPOSITS: The combined bank balances of the university's demand deposits were \$8,644,000 and \$14,363,000 with balances subject to custodial credit risk in the amount of \$4,548,000 and \$10,144,000 at June 30, 2024 and 2023, respectively. Of this amount, \$873,000 and \$6,982,000 was uninsured and uncollateralized at June 30, 2024 and 2023, respectively, while \$3,675,000 and \$3,162,000 was uninsured and collateralized with securities held by the pledging financial institution at June 30, 2024 and 2023, respectively. The custodial credit risk for deposits is the risk that, in the event of the failure of a depository financial institution, a government will not be able to recover deposits or will not be able to recover collateral securities that are in the possession of an outside party. The university does not have a formal deposit policy for custodial credit risk, however, the university monitors the credit rating and certain financial performance metrics of its custodial and commercial banks on a quarterly basis.

CUSTODIAL CREDIT RISK – INVESTMENTS: The custodial credit risk for investments is the risk that, in the event of the failure of the counterparty to a transaction, a government will not be able to recover the value of investment or collateral securities that are in the possession of an outside party. The university manages custodial credit risk through the types of investments that are allowed by investment policy. The university also monitors the credit rating and certain financial performance metrics of its custodial and commercial banks. The university had \$722,000 and \$720,000 exposed to custodial credit risk at June 30, 2024 and 2023, respectively. The university had \$6,370,000 and \$10,098,000 where custodial credit risk could not be determined at June 30, 2024 and 2023, respectively. The remainder of the university's investments is not exposed to custodial credit risk and reflects either investment securities registered in the name of the university, investment securities loaned for collateral received, or other types of investments not exposed to custodial credit risk.

INTEREST RATE RISK: Interest rate risk is the risk that changes in interest rates will adversely affect the fair value of a deposit or investment. The university's policy for controlling its exposure to fair value losses arising from increasing interest rates is to constrain average portfolio duration within ranges of a target portfolio duration set for each portfolio of operating fund investments. The portfolios may seek to enhance returns by attempting to time movements of interest rates within the allowable ranges. The university invests in asset-backed securities, collateralized mortgage obligations, mortgage pass-through securities, interest rate swaps, and swaptions that are highly sensitive to interest rate changes.

The university had fixed-rate debt securities with the following maturities at June 30, 2024:

(dollar amounts presented in thousands)

| Investment Type | Fair Value June 30, 2024 | Maturities (in years) | | | |
|--|-----------------------------|-----------------------|-------------------|-------------------|-------------------|
| | | Less than 1 | 1–5 | 6–10 | More than 10 |
| Corporate bonds | \$ 404,796 | \$ 79,949 | \$ 233,841 | \$ 61,431 | \$ 29,575 |
| Asset-backed securities | 380,957 | 4,178 | 213,795 | 32,123 | 130,861 |
| Government bonds | 257,871 | 36,659 | 86,611 | 55,496 | 79,105 |
| Government issued asset-backed securities | 202,972 | 2,518 | 10,737 | 9,422 | 180,295 |
| Other fixed income funds | 77,212 | – | 3,415 | 1,957 | 71,840 |
| Total | 1,323,808 | \$ 123,304 | \$ 548,399 | \$ 160,429 | \$ 491,676 |
| Investments not subject to interest rate risk: | | | | | |
| U.S. equities | 766,068 | | | | |
| External investment pools | 525,889 | | | | |
| Money market funds | 323,365 | | | | |
| International equities | 201,528 | | | | |
| All other | 72,855 | | | | |
| Total investments | \$3,213,513 | | | | |

The university had fixed-rate debt securities with the following maturities at June 30, 2023:

(dollar amounts presented in thousands)

| Investment Type | Fair Value June 30, 2023 | Maturities (in years) | | | |
|--|-----------------------------|-----------------------|-------------------|-------------------|-------------------|
| | | Less than 1 | 1–5 | 6–10 | More than 10 |
| Corporate bonds | \$ 449,866 | \$ 98,123 | \$ 244,739 | \$ 71,712 | \$ 35,292 |
| Government bonds | 351,949 | 61,301 | 105,911 | 64,464 | 120,273 |
| Asset-backed securities | 342,990 | 6,732 | 171,608 | 41,008 | 123,642 |
| Government issued asset-backed securities | 168,628 | 452 | 5,474 | 5,399 | 157,303 |
| Other fixed income funds | 64,200 | 248 | 5,468 | 69 | 58,415 |
| Total | 1,377,633 | \$ 166,856 | \$ 533,200 | \$ 182,652 | \$ 494,925 |
| Investments not subject to interest rate risk: | | | | | |
| U.S. equities | 621,755 | | | | |
| External investment pools | 483,180 | | | | |
| Money market funds | 229,522 | | | | |
| International equities | 181,548 | | | | |
| All other | 134,650 | | | | |
| Total investments | \$ 3,028,288 | | | | |

CREDIT RISK: Credit risk is the risk that an issuer or other counterparty to an investment will not fulfill its obligations. The weighted average credit quality of each portfolio of university operating funds investments must be at least 'A+/'A1' for Defensive Managers, 'A/A2' for Core Plus Managers, or as specified in each manager's guidelines.

The credit ratings for the university's investments subject to credit risk as of June 30, 2024 are shown below:

(dollar amounts presented in thousands)

| <i>Investment Type</i> | <i>Fair Value</i> | <i>AAA</i> | <i>AA</i> | <i>A</i> | <i>BBB</i> | <i>BB</i> | <i>Below BB</i> | <i>Not Rated</i> |
|--|--------------------|------------------|------------------|------------------|------------------|-----------------|---------------------|----------------------|
| Corporate bonds | \$ 404,796 | \$ 4,776 | \$ 5,633 | \$147,438 | \$207,925 | \$29,619 | \$ 9,040 | \$ 365 |
| Asset-backed securities | 380,957 | 330,801 | 7,356 | 4,964 | 2,511 | 676 | 1,444 | 33,205 |
| Money market funds | 323,365 | 257,946 | — | — | — | — | — | 65,419 |
| Government bonds | 257,871 | 10,605 | 227,534 | 591 | 13,380 | 1,834 | 927 | 3,000 |
| Government issued asset-backed securities | 202,972 | 158 | 181,995 | 14,038 | 6,677 | 104 | — | — |
| Other fixed income funds | 77,212 | — | — | 369 | 63 | 1,621 | 2,880 | 72,279 |
| Total | 1,647,173 | \$604,286 | \$422,518 | \$167,400 | \$230,556 | \$33,854 | \$14,291 | \$174,268 |
| Percentage subject to credit risk | | 36.69% | 25.65% | 10.16% | 14.00% | 2.06% | 0.86% | 10.58% |
| Not subject to credit risk | 1,566,340 | | | | | | | |
| Total investments | \$3,213,513 | | | | | | | |

The credit ratings for the university's deposits and investments subject to credit risk as of June 30, 2023 are shown below:

(dollar amounts presented in thousands)

| <i>Investment Type</i> | <i>Fair Value</i> | <i>AAA</i> | <i>AA</i> | <i>A</i> | <i>BBB</i> | <i>BB</i> | <i>Below BB</i> | <i>Not Rated</i> |
|--|--------------------|------------------|------------------|------------------|------------------|-----------------|---------------------|----------------------|
| Corporate bonds | \$ 449,866 | \$ 1,460 | \$ 20,195 | \$183,652 | \$205,450 | \$30,357 | \$ 5,140 | \$ 3,612 |
| Government bonds | 351,949 | 43,841 | 284,943 | 1,555 | 16,381 | 1,541 | 1,014 | 2,674 |
| Asset-backed securities | 342,990 | 286,459 | 15,436 | 6,393 | 3,901 | 618 | 2,103 | 28,080 |
| Money market funds | 229,522 | 156,751 | — | — | — | — | — | 72,771 |
| Government issued asset-backed securities | 168,628 | 7,082 | 150,244 | 6,979 | 4,286 | 37 | — | — |
| Other fixed income funds | 64,200 | — | — | — | 476 | 1,572 | 3,381 | 58,771 |
| Total | 1,607,155 | \$495,593 | \$470,818 | \$198,579 | \$230,494 | \$34,125 | \$11,638 | \$165,908 |
| Percentage subject to credit risk | | 30.84% | 29.30% | 12.36% | 14.34% | 2.12% | 0.72% | 10.32% |
| Not subject to credit risk | 1,421,133 | | | | | | | |
| Total investments | \$3,028,288 | | | | | | | |

CONCENTRATION OF CREDIT RISK: Concentration of credit risk is the risk of loss attributed to the magnitude of a government's investment in a single issuer. The university's investment policy requires that investments are to be diversified to the extent that the securities of any single issuer shall be limited to 3.5% of the market value in a particular manager's portfolio or as specified in each manager's guidelines. The individual issuer limit does not apply to securities within a broadly-diversified, passively-managed index fund designed to represent a broad market.

FOREIGN CURRENCY RISK: Foreign currency risk is the risk that changes in exchange rates will adversely affect the fair value of a government's deposits and investments. The university's policy for controlling exposure to foreign currency risk is to constrain deposits and investments in non-U.S. dollar denominated debt to 25% of an individual manager's portfolio or as specified in each manager's guidelines. Minimal foreign currency exposure could occur if one of the university's investment

managers purchases non-U.S. dollar holdings and does not hedge the currency. At June 30, 2024 and 2023, the university had insignificant amounts of deposits and investments exposed to foreign currency risk.

ENDOWMENTS: University endowment funds are managed pursuant to an Investment Agency Agreement between The Trustees of Indiana University and the IU Foundation dated November 14, 2005, which delegates investment management responsibilities to the IU Foundation. University endowment and quasi-endowment funds are invested in the IU Foundation's Pooled Long-Term and Short-Term Funds which is considered an external investment pool to the university. This external investment pool is not registered with the Securities and Exchange Commission. The Investment Committee of the IU Foundation Board of Directors oversees the pool. At June 30, 2024 and 2023, all university endowment funds held with the IU Foundation were invested in pooled funds. The fair value of the university's position in the pool is the same as the value of the pooled shares.

Note 3—Fair Value Measurements

The fair value hierarchy is based on the valuation inputs used to measure the fair value of the asset. Level 1 inputs are quoted prices in active markets for identical assets; Level 2 inputs are significant, other observable inputs; Level 3 inputs are significant, unobservable inputs. Investments that are measured at fair value using the net asset value per share (or its equivalent) as a practical expedient are not classified in the fair value hierarchy. Certain money market funds are excluded as they are valued at amortized cost, totaling \$253,039,000 and \$163,125,000 at June 30, 2024 and 2023, respectively. The university had the following recurring fair value measurements as of June 30, 2024:

(dollar amounts presented in thousands)

| | | Fair Value Measurements Using | | |
|---|---------------------|---|---|--|
| | | Quoted Prices in Active Markets for Identical Assets (Level 1) | Significant Other Observable Inputs (Level 2) | Significant Unobservable Inputs (Level 3) |
| | June 30, 2024 | | | |
| Investments by fair value level: | | | | |
| Debt securities | | | | |
| Collateralized obligations and mortgage-backed securities | \$ 574,790 | \$ — | \$ 572,513 | \$ 2,277 |
| Corporate bonds | 403,613 | — | 403,613 | — |
| Government bonds | 271,879 | 4,717 | 267,040 | 122 |
| Commingled funds | 65,095 | 56,564 | — | 8,531 |
| Inflation index-linked notes | 20,585 | — | 20,585 | — |
| Notes, deposits and commercial paper | 6,952 | — | 6,952 | — |
| Bank loans | 5,104 | — | 5,104 | — |
| Municipal and provincial bonds | 1,091 | — | 1,091 | — |
| Total debt securities | 1,349,109 | 61,281 | 1,276,898 | 10,930 |
| Equity securities | 967,597 | 967,597 | — | — |
| Real estate | 11,735 | — | — | 11,735 |
| All other | 8,308 | — | 8,308 | — |
| Total investments by fair value level | 2,336,749 | \$ 1,028,878 | \$ 1,285,206 | \$ 22,665 |
| Investments measured at the net asset value (NAV): | | | | |
| External investment pool | 524,228 | | | |
| Venture capital | 191 | | | |
| Total investments measured at the NAV | 524,419 | | | |
| Total investments measured at fair value | \$ 2,861,168 | | | |

The university had the following recurring fair value measurements as of June 30, 2023:

(dollar amounts presented in thousands)

| | | Fair Value Measurements Using | | |
|---|---------------------|---|---|--|
| | | Quoted Prices in Active Markets for Identical Assets (Level 1) | Significant Other Observable Inputs (Level 2) | Significant Unobservable Inputs (Level 3) |
| | June 30, 2023 | | | |
| Investments by fair value level: | | | | |
| Debt securities | | | | |
| Collateralized obligations and mortgage-backed securities | \$ 511,683 | \$ – | \$ 508,721 | \$ 2,962 |
| Corporate bonds | 449,866 | – | 446,966 | 2,900 |
| Government bonds | 414,165 | 39,262 | 374,903 | – |
| Commingled funds | 58,415 | 53,346 | – | 5,069 |
| Notes, deposits and commercial paper | 34,974 | – | 34,974 | – |
| Inflation index-linked notes | 7,785 | – | 7,785 | – |
| Bank loans | 5,785 | – | 5,785 | – |
| Municipal and provincial bonds | 3,382 | – | 3,382 | – |
| Total debt securities | 1,486,055 | 92,608 | 1,382,516 | 10,931 |
| Equity securities | 803,303 | 803,303 | – | – |
| Real estate | 6,269 | – | – | 6,269 |
| All other | 8,355 | – | 8,355 | – |
| Total investments by fair value level | 2,303,982 | \$ 895,911 | \$ 1,390,871 | \$ 17,200 |
| Investments measured at the net asset value (NAV): | | | | |
| External investment pool | 479,152 | | | |
| Venture capital | 220 | | | |
| Total investments measured at the NAV | 479,372 | | | |
| Total investments measured at fair value | \$ 2,783,354 | | | |

In instances where inputs used to measure fair value fall into different levels in the above fair value hierarchy, fair value measurements in their entirety are categorized based on the lowest level input that is significant to the valuation. The university's assessment of the significance of particular inputs to these fair value measurements requires judgment and considers factors specific to each asset or liability. Changes in valuation techniques, if any, from prior year did not have a significant impact.

Debt securities classified in Level 1 at June 30, 2024 and 2023, are valued using unadjusted quoted prices in active markets for those securities.

The fair value of debt securities at June 30, 2024 and 2023, are determined primarily based on Level 2 inputs. The university estimates the fair value of these investments using observable, market-based inputs. Observable inputs are those that market

participants would use in pricing the asset based on market data obtained from independent sources such as quoted market prices, reported sales of similar securities, and reference data.

The fair value of debt securities at Level 3 at June 30, 2024 and 2023, are determined using extrapolated data, proprietary models, indicative quotes, or similar techniques taking into account the characteristics of the asset.

The fair value of equity securities at Level 1 at June 30, 2024 and 2023, are valued using unadjusted quoted prices in active markets for those securities.

The university holds several parcels of real estate for investment purposes. The fair values of these properties are based on appraisals.

The fair value of all other investments at June 30, 2024 and 2023, are determined primarily based on Level 2 inputs. The university estimates the fair value of these investments using observable, market-based inputs.

The university holds shares or interests in commingled funds where the fair value of the investment is measured on a recurring basis using net asset value per share (or its equivalent) of the investment company as a practical expedient. There is no unfunded commitment, and the investments can be redeemed twice a month with a 15-day redemption notice period.

The university holds shares or interests in a venture capital investment company where the fair value of the investment is measured on a recurring basis using net asset value per share (or its equivalent) of the investment company as a practical expedient. The company invests in venture capital firms with the objective that 60% of these are in Indiana and 60% are in the life sciences field. The unfunded commitment was approximately \$4,000 as of June 30, 2024 and 2023. This investment cannot be redeemed until the earlier of December 31, 2024, or one year after the date on which all of the fund's investments have been liquidated.

The fair value of the external investment pool at June 30, 2024 and 2023, is determined using a monthly valuation assigned to the shares of the pool which is a net asset value per share equivalent. There is no unfunded commitment, and the investments can be redeemed daily with no redemption notice period. A significant portion of the investment pool, approximately \$521,197,000 and \$474,714,000 respectively at June 30, 2024 and 2023, was held at the IU Foundation. The fair value hierarchy of the foundation's investments is included in the aggregate discretely presented component unit table below.

The aggregate discretely presented component units had the following recurring fair value measurements as of June 30, 2024:

(dollar amounts presented in thousands)

| | June 30, 2024 | Fair Value Measurements Using | | | |
|---|---------------------|-------------------------------|-------------------|------------------|---------------------|
| | | Level 1 | Level 2 | Level 3 | NAV |
| Investments by fair value level: | | | | | |
| Cash equivalents | \$ 51,351 | \$ 48,802 | \$ 2,549 | \$ — | \$ — |
| Equities: | | | | | |
| Public equities | 1,457,456 | 879,867 | 1,027 | — | 576,562 |
| Mutual funds | 71,014 | 71,014 | — | — | — |
| Commingled funds | 100,004 | — | — | — | 100,004 |
| Fixed income: | | | | | |
| US government | 105,982 | 104,991 | 991 | — | — |
| Corporate bonds | 87,607 | 84,681 | 2,926 | — | — |
| Mutual funds | 10,533 | 10,533 | — | — | — |
| Other fixed income | 598,534 | 142,532 | 199,736 | — | 256,266 |
| Real estate | 12,722 | — | — | 12,722 | — |
| Alternative investments: | | | | | |
| Hedged equity funds | 105,378 | — | — | — | 105,378 |
| Absolute return funds | 593,776 | — | — | 4,014 | 589,762 |
| Private equities | 542,548 | — | — | — | 542,548 |
| Venture capital | 477,463 | — | — | — | 477,463 |
| Real estate/real assets | 513,208 | 10,487 | — | 3,188 | 499,533 |
| Beneficial interests in trust | 55,236 | — | — | 55,236 | — |
| Total investments | 4,782,812 | \$ 1,352,907 | \$ 207,229 | \$ 75,160 | \$ 3,147,516 |
| Other assets | 35,303 | | | | |
| Total investments and other assets | \$ 4,818,115 | | | | |

The aggregate discretely presented component units had the following recurring fair value measurements as of June 30, 2023:

(dollar amounts presented in thousands)

| | June 30, 2023 | Fair Value Measurements Using | | | |
|---|---------------------|-------------------------------|-------------------|------------------|---------------------|
| | | Level 1 | Level 2 | Level 3 | NAV |
| Investments by fair value level: | | | | | |
| Cash equivalents | \$ 35,913 | \$ 33,837 | \$ 2,076 | \$ — | \$ — |
| Equities: | | | | | |
| Public equities | 1,387,236 | 835,820 | 964 | — | 550,452 |
| Mutual funds | 78,146 | 78,146 | — | — | — |
| Commingled funds | 80,512 | — | — | — | 80,512 |
| Fixed income: | | | | | |
| US government | 101,994 | 99,654 | 2,340 | — | — |
| Corporate bonds | 89,863 | 86,409 | 3,454 | — | — |
| Mutual funds | 14,667 | 14,667 | — | — | — |
| Other fixed income | 488,019 | 77,875 | 185,288 | — | 224,856 |
| Real estate | 17,187 | — | — | 17,187 | — |
| Alternative investments: | | | | | |
| Hedged equity funds | 109,286 | — | — | — | 109,286 |
| Absolute return funds | 541,037 | — | — | 5,539 | 535,498 |
| Private equities | 478,955 | — | — | — | 478,955 |
| Venture capital | 460,173 | — | — | — | 460,173 |
| Real estate/real assets | 524,579 | 9,143 | — | 7,373 | 508,063 |
| Beneficial interests in trust | 50,565 | — | — | 50,565 | — |
| Total investments | 4,458,132 | \$ 1,235,551 | \$ 194,122 | \$ 80,664 | \$ 2,947,795 |
| Other assets | 35,303 | | | | |
| Total investments and other assets | \$ 4,493,435 | | | | |

Note 4—Accounts Receivable

Accounts receivable consisted of the following at June 30, 2024 and 2023:

(dollar amounts presented in thousands)

| | June 30, 2024 | June 30, 2023 |
|--|-------------------|-------------------|
| Student accounts | \$ 76,945 | \$ 70,655 |
| Auxiliary enterprises and other operating activities | 85,245 | 66,685 |
| Federal, state, and other grants and contracts | 22,893 | 30,369 |
| Capital appropriations and gifts | — | 2,470 |
| Receivables for investment sales | 82,616 | 120,850 |
| Other | 17,019 | 13,365 |
| Current accounts receivable, gross | 284,718 | 304,394 |
| Less allowance for uncollectible accounts | (14,144) | (12,067) |
| Current accounts receivable, net | \$ 270,574 | \$ 292,327 |

Note 5—Lease Receivable

The university leases certain assets to various third parties in the following asset classes: buildings, land improvements, and land. Payments are generally fixed monthly. Variable payments based on the Consumer Price Index are appropriately excluded from the measurement of the lease receivable.

The university also subleases certain assets that it initially leases from a third party. The noncancelable terms of these leasing arrangements mature between 2026 and 2052. The discount rates applicable to these leasing arrangements range from 1.81% to 2.56%. Payments are generally fixed with escalated payments based on percentage increase included in the measurement of the lease receivable.

During the fiscal years ended June 30, 2024 and 2023, the university recognized lease revenue of \$3,102,000 and \$3,134,000 and interest income of \$283,000 and \$271,000 related to its lessor agreements, respectively. In addition, the university recognized insignificant inflows from variable payments that were properly excluded from the initial measurement of the lease receivable in both fiscal years.

Note 6—Capital Assets

Fiscal year ended June 30, 2024

(dollar amounts presented in thousands)

| | <i>Balance</i> | | | | | <i>Balance</i> |
|---|----------------------|-------------------|------------------|--------------------|-----------|----------------------|
| | <i>June 30, 2023</i> | <i>Additions</i> | <i>Transfers</i> | <i>Retirements</i> | | <i>June 30, 2024</i> |
| Assets not being depreciated: | | | | | | |
| Land | \$ 95,430 | \$ 1,622 | \$ — | \$ — | \$ | 97,052 |
| Art & museum objects | 118,885 | 8,046 | — | 40 | | 126,891 |
| Construction in progress | 105,344 | 175,315 | (43,678) | 176 | | 236,805 |
| Total capital assets not being depreciated | 319,659 | 184,983 | (43,678) | 216 | | 460,748 |
| Other capital assets: | | | | | | |
| Infrastructure | 274,025 | 3,633 | 862 | — | | 278,520 |
| Intangibles | 9,076 | — | — | — | | 9,076 |
| Land improvements | 125,798 | 7,631 | 465 | — | | 133,894 |
| Equipment | 580,975 | 30,606 | 8,475 | 37,343 | | 582,713 |
| Right-to-use assets | 223,273 | 69,173 | — | 34,786 | | 257,660 |
| Library books | 79,096 | 3,719 | — | 15,548 | | 67,267 |
| Buildings | 5,313,474 | 45,924 | 33,876 | 3,520 | | 5,389,754 |
| Total other capital assets | 6,605,717 | 160,686 | 43,678 | 91,197 | | 6,718,884 |
| Less accumulated depreciation for: | | | | | | |
| Infrastructure | 189,175 | 6,356 | — | — | | 195,531 |
| Intangibles | 9,033 | 43 | — | — | | 9,076 |
| Land improvements | 59,300 | 6,092 | — | — | | 65,392 |
| Equipment | 422,692 | 42,646 | — | 35,142 | | 430,196 |
| Right-to-use assets | 87,216 | 35,129 | — | 30,080 | | 92,265 |
| Library books | 51,142 | 7,310 | — | 15,548 | | 42,904 |
| Buildings | 2,296,268 | 112,434 | — | 2,597 | | 2,406,105 |
| Total accumulated depreciation, other capital assets | 3,114,826 | 210,010 | — | 83,367 | | 3,241,469 |
| Capital assets, net | \$ 3,810,550 | \$ 135,659 | \$ — | \$ 8,046 | \$ | 3,938,163 |

Fiscal year ended June 30, 2023

(dollar amounts presented in thousands)

| | <i>Balance</i> | | | | <i>Balance</i> |
|---|----------------------|------------------|------------------|--------------------|----------------------|
| | <i>June 30, 2022</i> | <i>Additions</i> | <i>Transfers</i> | <i>Retirements</i> | <i>June 30, 2023</i> |
| Assets not being depreciated: | | | | | |
| Land | \$ 92,168 | \$ 3,262 | \$ – | \$ – | \$ 95,430 |
| Art & museum objects | 114,843 | 4,042 | – | – | 118,885 |
| Construction in progress | 226,460 | 48,442 | (169,510) | 48 | 105,344 |
| Total capital assets not being depreciated | 433,471 | 55,746 | (169,510) | 48 | 319,659 |
| Other capital assets: | | | | | |
| Infrastructure | 269,820 | 2,806 | 1,399 | – | 274,025 |
| Intangibles | 11,766 | – | – | 2,690 | 9,076 |
| Land improvements | 119,193 | 4,626 | 1,979 | – | 125,798 |
| Equipment | 551,613 | 42,857 | 5,171 | 18,666 | 580,975 |
| Right-to-use assets | 189,308 | 41,357 | – | 7,392 | 223,273 |
| Library books | 82,637 | 3,567 | – | 7,108 | 79,096 |
| Buildings | 5,100,174 | 56,155 | 160,961 | 3,816 | 5,313,474 |
| Total other capital assets | 6,324,511 | 151,368 | 169,510 | 39,672 | 6,605,717 |
| Less accumulated depreciation for: | | | | | |
| Infrastructure | 182,944 | 6,231 | – | – | 189,175 |
| Intangibles | 11,638 | 85 | – | 2,690 | 9,033 |
| Land improvements | 53,565 | 5,735 | – | – | 59,300 |
| Equipment | 400,123 | 40,604 | – | 18,035 | 422,692 |
| Right-to-use assets | 59,394 | 32,178 | – | 4,356 | 87,216 |
| Library books | 50,486 | 7,764 | – | 7,108 | 51,142 |
| Buildings | 2,188,420 | 110,073 | – | 2,225 | 2,296,268 |
| Total accumulated depreciation, other capital assets | 2,946,570 | 202,670 | – | 34,414 | 3,114,826 |
| Capital assets, net | \$ 3,811,412 | \$ 4,444 | \$ – | \$ 5,306 | \$ 3,810,550 |

Note 7—Accounts Payable and Accrued Liabilities

Accounts payable and accrued liabilities consisted of the following at June 30, 2024 and 2023:

(dollar amounts presented in thousands)

| | <i>June 30, 2024</i> | <i>June 30, 2023</i> |
|---|----------------------|----------------------|
| Accrued payroll | \$ 23,567 | \$ 24,198 |
| Interest payable | 7,579 | 7,140 |
| Vendor payables | 128,751 | 104,834 |
| Investment purchases payable | 181,922 | 202,659 |
| Other payables | 38,160 | 37,064 |
| Total accounts payable and accrued liabilities | \$ 379,979 | \$ 375,895 |

Note 8—Other Liabilities

Other liability activity for the fiscal years ended June 30, 2024 and 2023, is summarized as follows:

Fiscal year ended June 30, 2024

(dollar amounts presented in thousands)

| | <i>Balance</i> | | | <i>Balance</i> | |
|--------------------------------------|----------------------|-------------------|-------------------|----------------------|-------------------|
| | <i>June 30, 2023</i> | <i>Additions</i> | <i>Reductions</i> | <i>June 30, 2024</i> | <i>Current</i> |
| Bonds and notes payable: | | | | | |
| Bonds payable | \$ 768,960 | \$ 118,711 | \$ 59,395 | \$ 828,276 | \$ 61,605 |
| Notes payable | 268,292 | 25,000 | 69,270 | 224,022 | 21,557 |
| Total bonds and notes payable | 1,037,252 | 143,711 | 128,665 | 1,052,298 | 83,162 |
| Other liabilities: | | | | | |
| Lease obligations | 120,273 | 21,557 | 15,189 | 126,641 | 12,308 |
| SBITA obligations | 14,364 | 48,295 | 27,741 | 34,918 | 17,303 |
| Compensated absences | 91,143 | 24,142 | 18,607 | 96,678 | 61,208 |
| Other | 652 | — | 387 | 265 | 99 |
| Total other liabilities | \$ 1,263,684 | \$ 237,705 | \$ 190,589 | \$ 1,310,800 | \$ 174,080 |

Fiscal year ended June 30, 2023

(dollar amounts presented in thousands)

| | <i>Balance</i> | | | <i>Balance</i> | |
|--------------------------------------|----------------------|------------------|-------------------|----------------------|-------------------|
| | <i>June 30, 2022</i> | <i>Additions</i> | <i>Reductions</i> | <i>June 30, 2023</i> | <i>Current</i> |
| Bonds and notes payable: | | | | | |
| Bonds payable | \$ 833,381 | \$ — | \$ 64,421 | \$ 768,960 | \$ 59,316 |
| Notes payable | 288,857 | 13,463 | 34,028 | 268,292 | 54,136 |
| Total bonds and notes payable | 1,122,238 | 13,463 | 98,449 | 1,037,252 | 113,452 |
| Other liabilities: | | | | | |
| Lease obligations | 105,979 | 28,688 | 14,394 | 120,273 | 10,586 |
| SBITA obligations | 21,877 | 12,669 | 20,182 | 14,364 | 8,672 |
| Compensated absences | 88,329 | 20,817 | 18,003 | 91,143 | 57,755 |
| Other | 28,724 | 414 | 28,486 | 652 | 126 |
| Total other liabilities | \$ 1,367,147 | \$ 76,051 | \$ 179,514 | \$ 1,263,684 | \$ 190,591 |

Note 9—Bonds and Notes Payable and Other Obligations

The university is authorized by acts of the Indiana General Assembly to issue bonds, notes, and other forms of indebtedness for the purpose of financing construction of facilities that include academic and administrative facilities, research facilities on the Bloomington and Indianapolis campuses, athletic facilities, parking facilities, student housing, health service facilities, student union buildings, and energy savings projects. At June 30, 2024, and June 30, 2023, the university had serial bonds and term bonds with maturities that extend to June 1, 2060. The university has both tax-exempt and taxable bonds and notes outstanding.

Fee replacement appropriations are a specific state appropriation to the university that the Indiana General Assembly authorizes on a biennial basis, for the purpose of reimbursing a portion of the debt service payments on bonds issued under IC 21-34-6 as student fee bonds for certain academic facilities, such as classrooms, libraries, laboratories, and other academic support facilities as designated by the Indiana General Assembly that are received from the state on a semi-annual basis. Fee replacement appropriations are renewed and supplemented on a biennial basis because state statutes prohibit a sitting General Assembly from binding subsequent General Assemblies with respect to future appropriation of funds. The outstanding principal balances that are eligible for fee replacement appropriations as of June 30, 2024, and 2023, are \$232,860,000 and \$258,755,000, respectively.

Indiana Code 21-35-2 and 21-35-3, as supplemented by 21-35-5 permits the use of debt in the form of revenue bonds. Consolidated revenue bonds are unsecured obligations of the university that carry a promise of repayment that will come first from net income generated from housing facilities, parking facilities, and other auxiliary facilities along with certain research, health service facilities, and athletic revenues; and second, from other legally available funds of the university.

Indiana University Building Corporation (IUBC) is an affiliated single-purpose Indiana not-for-profit entity that was formed by the Trustees of Indiana University in 2008 with the sole purpose of assisting the university in the financing and development of university facilities by owning and leasing such facilities to the university on a lease-purchase basis under Indiana Code 21-33-3-5 as either Certificates of Participation or Lease-Purchase Obligations (collectively, “Obligations”). The leases are not subject to abatement or reduction. The leases are subject to early termination under certain circumstances, including the exercise of an option by the university to purchase the leased property or the condemnation of the leased property. When the debt obligations are fully repaid, all the leases are terminated and the real estate, facilities, and all subsequent improvements revert to the ownership of the university.

Indiana Code 21-32-2 permits the use of debt in the form of temporary borrowing in anticipation of future long-term borrowing for capital projects, when such long-term borrowing is authorized under other sections of the Indiana Code. As of June 30, 2024, and 2023, the university has commercial paper outstanding. Commercial paper notes are issued by the university to provide for the temporary financing or refinancing of costs related to certain facilities on all the university campuses, including costs of issuance of the notes. The university typically expects that capital projects temporarily financed with commercial paper would be long-term financed through the issuance of consolidated revenue bonds, obligations, or certain student fee bonds that are not eligible for fee replacement. The university’s commercial paper program has an approved capacity of \$200,000,000. The university may issue tax-exempt and/or taxable commercial paper. The university has no credit facilities and no lines or letters of credit for repayment of commercial paper. The university has a self-liquidity backed commercial paper program that guarantees the payment of the maturity amount of any commercial paper notes that are not placed to investors. The university will not cause

commercial paper maturities in an aggregate principal amount exceeding \$50,000,000 to mature in any five-business-day period. The interest rate and term of the notes are subject to market conditions on the maturity date of the notes. The number of days to maturity may not exceed 270 days, with the final maturity of the notes being May 1, 2038. The commercial paper notes are not subject to redemption prior to their respective maturities or to acceleration of maturities. As of June 30, 2024, the university has no variable rate bonds outstanding.

The types of debt described above have the following associated pledges:

| <i>Type of Debt</i> | <i>Pledge</i> | <i>Terminology in Bond Documents</i> |
|--|--|---|
| Student Fee Bonds | (Irrevocable) Student fees for principal, premium (if any), and interest | The pledge of student fees for the Student Fee Bonds will constitute a lien on, and security interest in, student fees. |
| Consolidated Revenue Bonds | No pledge | Not applicable |
| Lease-Purchase Obligations and Certificates of Participation | Certain financed property | Any real or personal property pledged, mortgaged, or assigned by IUBC to the trustee bank, or in which IUBC grants to the trustee bank a security interest, under any indenture |
| Commercial Paper | No pledge | Not applicable |

The university is not party to any swap agreements. Obligations have terms related to significant events of default with finance-related consequences and subjective acceleration clauses as follows:

Upon the happening and continuance of any event of default, the trustee bank may, in its discretion, declare the principal of and interest accrued on all outstanding Obligations immediately due and payable, and, upon such declaration, such principal and interest shall thereupon become and be immediately due and payable; subject, however, to the rights of the holders of 51% in principal amount of all the outstanding Obligations, by written notice to IUBC and the trustee bank, to annul such declaration if all agreements with respect to which default shall have been made shall be fully performed and all such defaults have been cured, and all arrears of interest on all outstanding Obligations and the reasonable expenses and charges of the trustee bank and all other indebtedness secured by the Indenture (except the principal of and interest on any Obligations not then due by their terms) have been paid or the amount thereof has been paid to the trustee bank for the benefit of those entitled thereto. Events of Default under Obligations are as follows:

- (a) the university's failure to perform or observe any of its obligations under a lease or the university's continuing breach of any representation or warranty after 30 days written notice;
- (b) the making by the university of an assignment for the benefit of its creditors;
- (c) an injunction on or against the leased property not released or discharged within 90 days;
- (d) proceedings in a court of competent jurisdiction for the reorganization, liquidation or dissolution of the university, bankruptcy or insolvency, or appointment of a receiver of the property, and under involuntary proceedings, no dismissal and no discharge, within 90 days of any receiver, trustee bank or liquidator appointed;
- (e) the failure of the university to pay an installment of rent within ten days after written notice.

Upon occurrence of an Event of Default under any of the leases, IUBC, at the option of IUBC, has certain rights and remedies, one of which is that IUBC may terminate such lease upon notice to the university.

As of June 30, 2024, and 2023, outstanding (“O/S”) indebtedness from bonds, notes, and other obligations follow, none of which are direct borrowings or placements:

(dollar amounts presented in thousands)

| Issue Type/Series | Issue Date | Original Issue (\$) | Interest Rate (%) | Final Maturity Date | Principal O/S June 30, 2023 | Principal O/S June 30, 2024 |
|--|------------|------------------------|----------------------|---------------------------|-----------------------------------|-----------------------------------|
| Indiana Code 21-34-6 (Bonds: Student Fee Bonds): | | | | | | |
| W-1: Franklin, Arts/Sciences | 1/14/15 | 58,960 | 4.00-5.00 | 8/1/34 | 41,425 | 38,780 |
| W-2: Refunding of Series R and S | 1/14/15 | 62,765 | 4.00-5.00 | 8/1/32 | 44,965 | 37,255 |
| X: Old Crescent II; Refunding of Series U | 8/4/16 | 71,710 | 3.00-5.00 | 8/1/35 | 49,760 | 46,205 |
| Y: Ballantine Hall, Geology | 10/3/18 | 69,470 | 4.00-5.00 | 8/1/37 | 59,975 | 57,190 |
| Z-1: Bicentennial R&R Plan | 6/24/20 | 81,265 | 3.00-5.00 | 8/1/29 | 66,535 | 60,590 |
| Z-2: Refunding Series T-2 and V-1 | 6/24/20 | 18,595 | 0.63-1.15 | 8/1/26 | 17,045 | 11,825 |
| Subtotal Student Fee Bonds | | | | | 279,705 | 251,845 |
| Add unamortized bond premium | | | | | 35,030 | 31,148 |
| Total Student Fee Bonds | | | | | 314,735 | 282,993 |
| Indiana Code 21-35-3 (Bonds: Consolidated Revenue Bonds): | | | | | | |
| 2015A: Read Hall II, North Hall; Refunding of Series 2008A and 2009A | 4/1/15 | 146,960 | 3.00-5.00 | 6/1/42 | 87,155 | 73,570 |
| 2016A: Wells Quad; Refunding of Series 2008A, 2009A, and 2011A | 4/5/16 | 93,070 | 2.75-5.00 | 6/1/41 | 85,655 | 83,960 |
| 2020A: Refunding of 2010B and 2011A | 3/3/20 | 51,175 | 4.00-5.00 | 6/1/35 | 43,475 | 40,650 |
| 2020B: Persimmon A & B; Chestnut C & D; McNutt Central; Foster/McNutt; Refunding of Series 2012A | 3/3/20 | 221,810 | 1.77-3.07 | 6/1/60 | 214,335 | 208,655 |
| 2024A: Collins Living-Learning Center, Wright Quad Reno., Research Lab Reno. | 6/13/24 | 102,245 | 5.00 | 6/1/34 | – | 102,245 |
| Subtotal Consolidated Revenue Bonds | | | | | 430,620 | 509,080 |
| Add unamortized bond premium | | | | | 23,605 | 36,203 |
| Total Consolidated Revenue Bonds | | | | | 454,225 | 545,283 |
| Subtotal bonds | | | | | 710,325 | 760,925 |
| Add unamortized bond premium | | | | | 58,635 | 67,351 |
| Total bonds | | | | | 768,960 | 828,276 |
| Indiana Code 21-33-3-5 Obligations (Notes: Certificates of Participation/Lease Purchase Obligations): | | | | | | |
| 2013A: Global & International Studies | 3/8/13 | 22,515 | 3.00-5.00 | 6/1/33 | 13,825 | 12,700 |
| 2015A: Simon Skjodt Assembly Hall | 5/13/15 | 31,025 | 3.13-5.00 | 6/1/34 | 22,300 | 20,700 |
| 2017A: Memorial Stadium Excellence Academy/Stadium Reno; Sidney & Lois Eskenazi Museum of Art | 3/8/17 | 74,575 | 3.00-5.00 | 6/1/44 | 65,935 | 63,915 |
| 2020A: Wilkinson/Innovation Halls; The Health Sciences Bldg; Refunding of Certificates of Participation Series 2009B | 3/10/20 | 79,545 | 4.00-5.00 | 6/1/45 | 71,895 | 69,085 |
| 2020B: Refunding of Certificates of Participation Series 2012A; Lease- Purchase Obligations Series 2014A | 3/10/20 | 28,810 | 1.74-2.62 | 6/1/37 | 27,410 | 25,475 |
| Subtotal Obligations | | | | | 201,365 | 191,875 |

| | | | | | | |
|--|--------|--------|------|---------|---------------------|---------------------|
| Add unamortized bond premium | | | | | 24,077 | 22,281 |
| Total Obligations | | | | | 225,442 | 214,156 |
| Indiana Code 21-32-2 (Notes: Commercial Paper): | | | | | | |
| 2018A: Studio Arts Annex/The Pfau Course at Indiana University/George Thomas Clubhouse | 6/5/24 | 11,769 | 3.65 | 8/29/24 | 6,183 | 5,683 |
| 2021A: Studio Arts Annex/Ferguson International Ctr/Collins Living-Learning Center/Wright Quad | 6/5/24 | 23,720 | 3.65 | 8/29/24 | 23,204 | 720 |
| 2023A: Ferguson International Ctr./Wright Quad | 6/5/24 | 13,463 | 3.65 | 8/29/24 | 13,463 | 3,463 |
| Subtotal Commercial Paper | | | | | 42,850 | 9,866 |
| Add unamortized bond premium | | | | | – | – |
| Total Commercial Paper | | | | | 42,850 | 9,866 |
| Subtotal notes | | | | | 244,215 | 201,741 |
| Add unamortized bond premium | | | | | 24,077 | 22,281 |
| Total notes | | | | | 268,292 | 224,022 |
| Subtotal bonds and notes payable and other obligations | | | | | 954,540 | 962,666 |
| Add unamortized bond premium | | | | | 82,712 | 89,632 |
| Total bonds and notes payable and other obligations | | | | | \$ 1,037,252 | \$ 1,052,298 |

The principal and interest requirements to maturity for fixed-rate bonds and notes payable follow:

(dollar amounts presented in thousands)

| <i>Fiscal Year</i> | <i>Bond</i> | <i>Note</i> | <i>Total</i> | <i>Bond</i> | <i>Note</i> | <i>Total</i> | <i>Total Debt</i> |
|-----------------------|------------------|------------------|------------------|------------------|-----------------|------------------|--------------------|
| <i>Ending June 30</i> | <i>Principal</i> | <i>Principal</i> | <i>Principal</i> | <i>Interest</i> | <i>Interest</i> | <i>Interest</i> | <i>Service</i> |
| | | | | | | | <i>Payments</i> |
| 2025 | \$ 52,440 | \$ 9,895 | \$ 62,335 | \$ 29,976 | \$ 8,045 | \$ 38,021 | \$ 100,356 |
| 2026 | 52,555 | 10,335 | 62,890 | 28,030 | 7,614 | 35,644 | 98,534 |
| 2027 | 54,630 | 10,780 | 65,410 | 25,741 | 7,158 | 32,899 | 98,309 |
| 2028 | 47,255 | 11,265 | 58,520 | 23,535 | 6,680 | 30,215 | 88,735 |
| 2029 | 42,860 | 11,745 | 54,605 | 21,469 | 6,185 | 27,654 | 82,259 |
| 2030 – 2034 | 263,870 | 56,945 | 320,815 | 85,782 | 24,265 | 110,047 | 430,862 |
| 2035 – 2039 | 79,570 | 37,960 | 117,530 | 33,416 | 14,675 | 48,091 | 165,621 |
| 2040 – 2044 | 11,920 | 38,535 | 50,455 | 24,797 | 6,387 | 31,184 | 81,639 |
| 2045 – 2049 | – | 4,415 | 4,415 | 23,896 | 199 | 24,095 | 28,510 |
| 2050 – 2054 | – | – | – | 23,896 | – | 23,896 | 23,896 |
| 2055 - 2059 | – | – | – | 23,896 | – | 23,896 | 23,896 |
| 2060 | 155,825 | – | 155,825 | 4,779 | – | 4,779 | 160,604 |
| Total | \$760,925 | \$191,875 | \$952,800 | \$349,213 | \$81,208 | \$430,421 | \$1,383,221 |

Of the debt service payments to maturity, \$289,301,000 are from bonds eligible for fee replacement appropriations.

In prior years, the university has redeemed several bond and note issues by issuing new debt. United States Treasury obligations or federal agency securities have been purchased and deposited in irrevocable trusts using escrow funds in amounts sufficient to

pay principal and interest payments when due, through the call dates of the defeased bonds and notes. The bonds or notes redeemed and the related trusts balances are not reflected within principal outstanding, total debt service, or the university's liabilities.

As of June 30, 2024, and 2023, the following amounts of principal have been redeemed:

(dollar amounts presented in thousands)

| Bonds or Notes Redeemed | Defeased O/S | | Call Date(s) |
|--------------------------------|---------------|---------------|---------------------|
| | June 30, 2023 | June 30, 2024 | |
| Commercial Paper, Series 2021A | \$ – | \$ 21,945 | 9/9/2024 |
| Commercial Paper, Series 2023A | – | 35,000 | 8/29/2024; 9/9/2024 |
| Total bonds and notes redeemed | \$ – | \$ 56,945 | |

Commercial paper activity for the year ended June 30, 2024 is summarized as follows:

(dollar amounts presented in thousands)

| Tax Exempt Commercial Paper (CP) | Balance June 30, 2023 | Principal Payments | CP Issued Year | CP Defeased Year | Balance June 30, 2024 |
|-------------------------------------|--------------------------|-----------------------------|------------------------|------------------------|--------------------------|
| | | Year Ended June 30, 2024 | Ended June 30, 2024 | Ended June 30, 2024 | |
| Series 2018A | \$ 6,183 | \$ (500) | \$ – | \$ – | \$ 5,683 |
| Series 2021A | 23,204 | (539) | – | (21,945) | 720 |
| Series 2023A | 13,463 | – | 25,000 | (35,000) | 3,463 |
| Total | \$ 42,850 | \$ (1,039) | \$ 25,000 | \$ (56,945) | \$ 9,866 |

The total outstanding commercial paper notes at June 30, 2024 are \$9,866,000 at an interest rate of 3.65%, and at June 30, 2023 are \$42,850,000 at interest rates ranging from 3.30% to 3.55% based upon when issued and by maturity, respectively.

On June 13, 2024, the university issued fixed rate Consolidated Revenue Bonds, Series 2024A (“CRB 2024A”) with a par amount of \$102,245,000 as new money which included a current refunding of commercial paper notes which is also considered new money. The CRB 2024A new money proceeds financed the construction of the Research Laboratory Renovations and partially financed the construction of Wright Quadrangle Renovation on the Bloomington campus and were used to legally defease certain Commercial Paper Notes Series 2021A and certain Commercial Paper Notes Series 2023A which financed the construction of the Collins Living Learning Center and partially financed the construction of the Wright Quadrangle Renovation on the Bloomington campus. The CRB 2024A proceeds were also used to pay costs to issue the bonds, including the underwriters’ discount. The all-in true interest cost for CRB 2024A was 3.18%. CRB 2024A new money bonds are at a ten-year term. The increase in debt service payments as a result of this defeasement is \$16,460,000 over the life of the bonds through 2034. The economic gain as a result of this transaction was \$300,000. Commercial paper was used as interim financing for the Wright Quadrangle and Collins Living Learning Center projects. The CRB2024A bonds were used to convert the financing of these projects to a fixed rate.

Note 10—Right-to-Use Assets and Obligations

The university has obligations from leases and subscription-based information technology agreements (SBITAs). These contracts convey control of the right to use another party's asset. The university has right-to-use assets in the following asset classes: buildings, land, land improvements, equipment, vehicles, and subscription assets.

The lease liability includes fixed payments that are generally paid monthly. Variable payments based on the Consumer Price Index (CPI) are included in the lease liability and measured using the index in effect at the commencement of the lease term. However, any subsequent changes to the payment resulting from a change in the CPI are recognized as outflows or reductions of outflows of the period. The SBITA liability includes fixed payments that are generally paid annually. Variable payments based on the number of users, amount of data, etc. are appropriately excluded from the measurement of the SBITA liability.

Certain vehicle leases contain residual value guarantees that are excluded from the measurement of the lease liability totaling approximately \$3,400,000 and \$2,917,000 at June 30, 2024 and 2023, respectively. The residual values are based on a designated percentage of the fair market value of the asset given a specific term and vehicle type.

The university also leases certain assets that are subsequently subleased by the university to a third party. The noncancelable term of these leasing arrangements matures between 2042 and 2062. The discount rate applicable to these leasing arrangements range from 0.65% to 4.50%. Payments are fixed and included in the measurement of the lease liability.

Right-to-use asset activity for fiscal year ended June 30, 2024:

(dollar amounts presented in thousands)

| | <i>Balance</i> | | | <i>Balance</i> |
|---------------------------------------|----------------------|------------------|--------------------|----------------------|
| | <i>June 30, 2023</i> | <i>Additions</i> | <i>Retirements</i> | <i>June 30, 2024</i> |
| Right-to-use asset class: | | | | |
| Buildings | \$ 151,169 | \$ 4,922 | \$ 21,722 | \$ 134,369 |
| Land | 620 | 621 | — | 1,241 |
| Land improvements | 2,052 | 632 | — | 2,684 |
| Equipment | 6,259 | 11,953 | 657 | 17,555 |
| Vehicles | 11,510 | 3,385 | 1,400 | 13,495 |
| Subscription assets | 51,663 | 47,660 | 11,007 | 88,316 |
| Total right-to-use asset cost | 223,273 | 69,173 | 34,786 | 257,660 |
| Less accumulated amortization for: | | | | |
| Buildings | 47,810 | 9,230 | 17,972 | 39,068 |
| Land improvements | 202 | 81 | — | 283 |
| Equipment | 3,891 | 1,583 | 642 | 4,832 |
| Vehicles | 5,142 | 1,918 | 1,309 | 5,751 |
| Subscription assets | 30,171 | 22,317 | 10,157 | 42,331 |
| Total accumulated amortization | 87,216 | 35,129 | 30,080 | 92,265 |
| Right-to-use assets, net | \$ 136,057 | \$ 34,044 | \$ 4,706 | \$ 165,395 |

Right-to-use asset activity for fiscal year ended June 30, 2023:

(dollar amounts presented in thousands)

| | <i>Balance</i> | | | <i>Balance</i> | |
|---------------------------------------|----------------------|------------------|--------------------|----------------------|--|
| | <i>June 30, 2022</i> | <i>Additions</i> | <i>Retirements</i> | <i>June 30, 2023</i> | |
| Right-to-use asset class: | | | | | |
| Buildings | \$ 131,897 | \$ 24,661 | \$ 5,389 | \$ 151,169 | |
| Land | — | 620 | — | 620 | |
| Land improvements | 2,052 | — | — | 2,052 | |
| Equipment | 6,322 | — | 63 | 6,259 | |
| Vehicles | 9,587 | 3,407 | 1,484 | 11,510 | |
| Subscription assets | 39,450 | 12,669 | 456 | 51,663 | |
| Total right-to-use asset cost | 189,308 | 41,357 | 7,392 | 223,273 | |
| Less accumulated amortization for: | | | | | |
| Buildings | 40,282 | 10,305 | 2,777 | 47,810 | |
| Land improvements | 123 | 79 | — | 202 | |
| Equipment | 2,379 | 1,577 | 65 | 3,891 | |
| Vehicles | 4,648 | 1,818 | 1,324 | 5,142 | |
| Subscription assets | 11,962 | 18,399 | 190 | 30,171 | |
| Total accumulated amortization | 59,394 | 32,178 | 4,356 | 87,216 | |
| Right-to-use assets, net | \$ 129,914 | \$ 9,179 | \$ 3,036 | \$ 136,057 | |

During the fiscal years ended June 30, 2024 and 2023, the university recognized insignificant outflows from variable payments and residual value guarantees that were properly excluded from the initial measurement of the right-to-use obligations.

Future principal and interest payment requirements related to the university's lease and SBITA obligations at June 30, 2024, are as follows:

(dollar amounts presented in thousands)

| | <i>Lease</i> | | <i>SBITA</i> | | <i>Total Right-to-Use Obligations</i> | |
|--------------|-------------------|------------------|------------------|-----------------|---------------------------------------|------------------|
| | <i>Principal</i> | <i>Interest</i> | <i>Principal</i> | <i>Interest</i> | <i>Principal</i> | <i>Interest</i> |
| 2025 | \$ 12,309 | \$ 3,983 | \$ 17,303 | \$ 568 | \$ 29,612 | \$ 4,551 |
| 2026 | 11,014 | 3,588 | 8,648 | 311 | 19,662 | 3,899 |
| 2027 | 10,211 | 3,215 | 5,159 | 141 | 15,370 | 3,356 |
| 2028 | 10,102 | 2,848 | 2,768 | 59 | 12,870 | 2,907 |
| 2029 | 9,723 | 2,485 | 412 | 18 | 10,135 | 2,503 |
| 2030-2034 | 35,375 | 8,395 | 628 | 15 | 36,003 | 8,410 |
| 2035-2039 | 23,604 | 3,187 | — | — | 23,604 | 3,187 |
| 2040-2044 | 7,011 | 657 | — | — | 7,011 | 657 |
| 2045-2049 | 1,941 | 209 | — | — | 1,941 | 209 |
| 2050-2054 | 2,005 | 145 | — | — | 2,005 | 145 |
| 2055-2059 | 2,071 | 79 | — | — | 2,071 | 79 |
| 2060-2064 | 1,275 | 14 | — | — | 1,275 | 14 |
| Total | \$ 126,641 | \$ 28,805 | \$ 34,918 | \$ 1,112 | \$ 161,559 | \$ 29,917 |

Note 11—Risk Management

The university is exposed to various risks of loss, including torts, theft, damage or destruction of assets, errors or omissions, job-related illnesses or injuries to employees, and health care claims on behalf of students, employees, and their dependents. The university manages these risks through a combination of risk retention and commercial insurance, including coverage from internally maintained funds, as well as from a wholly-owned captive insurance company, Old Crescent Insurance Company (OCIC). The university is self-funded for damage to buildings and building contents for the first \$100,000 per occurrence with an additional \$1,900,000 per occurrence covered by OCIC (\$400,000 for fiscal year ending June 30, 2023), with commercial excess property coverage above this amount. The university is self-funded for comprehensive general liability and automobile liability for the first \$100,000 per occurrence with an additional \$1,900,000 per occurrence covered by OCIC and with supplementary commercial liability umbrella policies. The university has a malpractice and professional liability policy in the amount of \$500,000 for each claim and \$1,500,000 annually in aggregate provided by OCIC. The university is self-funded for the first \$1,000,000 for each Workers' Compensation claim (\$850,000 for each claim and \$125,000 in the aggregate for all claims in excess of \$850,000 for fiscal year ending June 30, 2023). Workers' Compensation claims above these amounts are covered by commercial insurance and are subject to statutory limits. The university is self-funded for the first \$1,000,000 (\$850,000 for fiscal year ending June 30, 2023) for employer liability claims with an additional \$1,000,000 in coverage through commercial insurances. The amount of settlements has not exceeded insurance coverage in any of the past three fiscal years.

The university has two health care plans for full-time appointed active employees and one plan for under-65 retirees not yet eligible for Medicare. For the fiscal year ended June 30, 2023, there were three health care plans for full-time appointed active employees. All of the employee plans are self-funded. The university records a liability for incurred but unpaid claims for

university-sponsored, self-funded health care plans. This liability totals \$29,710,000 and \$28,656,000 at June 30, 2024 and 2023, respectively. These amounts are reported within accounts payable and accrued liabilities on the Statement of Net Position.

Changes in the balances of accrued insurance liabilities for full-time appointed active employees and under-65 retirees not yet eligible for Medicare were as follows:

(dollar amounts presented in thousands)

| <i>Fiscal Year</i> | <i>Beginning Balance</i> | <i>Claims Incurred and</i> | | <i>Ending Balance</i> |
|--------------------|--------------------------|-----------------------------|--------------------|-----------------------|
| | | <i>Changes in Estimates</i> | <i>Claims Paid</i> | |
| 2024 | \$ 28,656 | \$ 284,707 | \$ 283,653 | \$ 29,710 |
| 2023 | 30,482 | 301,329 | 303,155 | 28,656 |
| 2022 | 27,502 | 276,779 | 273,799 | 30,482 |

All organizational units of the university are charged fees based on estimates of the amounts necessary to pay health care coverage costs, including premiums and claims.

The university also provides health care plans for graduate assistants, fellowship recipients, and medical residents. These plans are either fully insured or self-funded with a stop/loss provision. For these groups, the university has recorded a liability for incurred but unpaid claims for university-sponsored, self-funded health care plans in the amount of \$2,873,000 and \$3,734,000 at June 30, 2024 and 2023, respectively.

Changes in the balances of accrued insurance liabilities for graduate assistances, fellowship recipients, and medical residents were as follows:

(dollar amounts presented in thousands)

| <i>Fiscal Year</i> | <i>Beginning Balance</i> | <i>Claims Incurred and</i> | | <i>Ending Balance</i> |
|--------------------|--------------------------|-----------------------------|--------------------|-----------------------|
| | | <i>Changes in Estimates</i> | <i>Claims Paid</i> | |
| 2024 | \$ 3,734 | \$ 24,559 | \$ 25,420 | \$ 2,873 |
| 2023 | 2,148 | 32,036 | 30,450 | 3,734 |
| 2022 | 1,855 | 22,866 | 22,573 | 2,148 |

These plans are funded by direct charges to the associated schools and/or departments.

Note 12—Retirement Plans

The university provided retirement plan coverage to 20,283 and 19,861 active employees as of June 30, 2024 and 2023, respectively, in addition to contributions per Federal Insurance Contributions Act (FICA) as required by law.

RETIREMENT AND SAVINGS PLAN

All support and service employees with at least a 50% full-time equivalent (FTE) appointment and temporary with retirement employees scheduled to work at least 900 hours or more in a calendar year hired on or after July 1, 2013, participate in the Retirement and Savings Plan. This is a defined contribution plan under IRC 401(a). The university contributed \$15,622,000 during fiscal year ended June 30, 2024, and \$12,741,000 during fiscal year ended June 30, 2023, to Fidelity Investments for the plan. Under this plan, there were 3,870 and 3,602 active participants as of June 30, 2024 and 2023, respectively.

ACADEMIC AND PROFESSIONAL STAFF EMPLOYEES

Appointed academic and professional staff employees with at least 50% FTE are covered by the IU Retirement Plan. This is a defined contribution plan under IRC 403(b). The university contributed \$127,959,000 during fiscal year ended June 30, 2024, and \$120,306,000 during fiscal year ended June 30, 2023, to Fidelity Investments for the IU Retirement Plan. Under this plan, there were 15,102 and 14,789 active participants as of June 30, 2024 and 2023, respectively.

In addition to the above, the university provides early retirement benefits to full-time appointed academic and professional staff employees who were in positions Grade 16 and above on or before June 30, 1999. There were 485 and 542 active employees on June 30, 2024 and 2023, respectively, covered by the IU Supplemental Early Retirement Plan (IUSERP), a defined contribution plan in compliance with IRC 401(a), with participant accounts at Fidelity Investments. The university contributed \$1,526,000 and \$1,629,000 to IUSERP during fiscal years ended June 30, 2024 and 2023, respectively. The same class of employees covered by the IU Retirement Plan 15% Level of Contributions on or before July 14, 1988, is covered by the IU 18/20 Retirement Plan. The IU 18/20 Retirement Plan allows this group of employees to retire as early as age 64, provided the individual has at least 18 years of participation in the IU Retirement Plan and at least 20 years of continuous university service.

INDIANA PUBLIC EMPLOYEES' RETIREMENT FUND

The university contributes to the Indiana Public Employees' Retirement Fund (PERF), a defined benefit pension plan with a defined contribution account benefit. Indiana Public Retirement System (INPRS) administers the cost-sharing, multiple-employer defined benefit plan. PERF was established to provide retirement, disability, and survivor benefits to full-time employees of the State of Indiana not covered by another plan, those political subdivisions that elect to participate in the retirement plan, and certain INPRS employees. The university participates in the PERF Hybrid Plan which was established by the Indiana Legislature in 1955 and is governed by the INPRS Board of Trustees in accordance with Indiana Code (IC) 5-10.2, IC 5-10.3, and Title 35 of the Indiana Administrative Code. There are two aspects to the PERF Hybrid Plan defined benefit structure. The first portion is the monthly defined benefit pension. The second portion is the defined contribution component, known as Public Employees' Hybrid Members Defined Contribution Account. Both components are funded by employer contributions. Support staff and part-time employees who normally work at least 50% FTE appointment hired prior to July 1, 2013, participate in the PERF Hybrid Plan. There were 1,311 and 1,470 active university employees covered by this retirement plan as of June 30, 2024 and 2023, respectively. Per IC 5-10.2-4-4, key elements of the pension formula include years of PERF creditable service multiplied by average annual compensation multiplied by 1.1%, resulting in an annual lifetime benefit. Cost of living adjustments for members in pay status are not guaranteed by statute but may be granted by the Indiana General Assembly on an ad hoc basis. Refunds of employee contributions are included in total benefit payments. Participants must have at least ten years of PERF creditable service to have a vested right to the defined pension benefit. The defined contribution account consists of contributions set by state statute at 3.0% of compensation plus the earnings credited to members' accounts. Participants are

100% vested from inception in the defined contribution account. INPRS issues a publicly available financial report that includes financial statements and required supplementary information for the plan as a whole and for its participants. The financial report and corresponding fiduciary net position is prepared using the accrual basis of accounting in conformity with Generally Accepted Accounting Principles (GAAP). INPRS applies all applicable GASB pronouncements in accounting and reporting for its operations. INPRS investments are measured at fair value within the fair value hierarchy established by GASB Statement No. 72, *Fair Value Measurement and Application*. The INPRS Annual Comprehensive Financial Report for 2023 may be obtained by writing the Indiana Public Retirement System, One North Capitol, Suite 001, Indianapolis, IN 46204, by calling 1-844-464-6777, or by reviewing the Annual Report online at www.in.gov/inprs/annualreports.htm.

Required and actual contributions made by the university totaled \$8,825,000 and \$9,896,000 for fiscal years ended June 30, 2024 and 2023, respectively. This represented an 11.2% university pension benefit contribution for fiscal years ended June 30, 2024 and 2023, and a 3.0% university contribution for the defined contribution account provisions each year.

PENSION LIABILITIES, PENSION EXPENSE, AND DEFERRED OUTFLOWS OF RESOURCES AND DEFERRED INFLOWS OF RESOURCES RELATED TO PENSIONS

Indiana Public Employees' Retirement Fund: At June 30, 2024, the university reported a liability of \$63,355,000 for its proportionate share of the net pension liability, as compared to \$58,029,000 for the year ended June 30, 2023. The June 30, 2024, net pension liability of \$63,355,000 at the measurement date was measured as of June 30, 2023, and the total pension liability used to calculate the net pension liability was determined by an actuarial valuation as of June 30, 2022, which used updated procedures to roll forward the estimated liability to June 30, 2023. The university's proportion of the net pension liability was based on wages reported by the university relative to the collective wages of the plan. This basis measures the proportionate relationship of an employer to all employers and is consistent with the manner in which contributions to the pension plan are determined. At June 30, 2023, the university's proportion was 1.80%, a decrease of 0.04 percentage points from its proportion measured as of June 30, 2022, which was 1.84%. The university's June 30, 2022 proportion decreased 0.04 percentage points from its proportion measured as of June 30, 2021, which was 1.88%. Pension expense of the university as of June 30, 2024 and 2023, was \$10,103,000 and \$7,328,000, respectively.

At June 30, 2024, the university reported deferred outflows of resources and deferred inflows of resources related to pensions from the following sources:

(dollar amounts presented in thousands)

| <i>PERF</i> | | |
|---|---|--|
| | <i>Deferred Outflows of Resources</i> | <i>Deferred Inflows of Resources</i> |
| Differences between expected and actual experience | \$ 1,296 | \$ – |
| Changes of assumptions | 3,455 | – |
| Net difference between projected and actual earnings on pension plan investments | 14,521 | – |
| Changes in proportion and differences between university contributions and proportionate share of contributions | – | 6,699 |
| University contributions subsequent to the measurement date | 6,598 | – |
| Total | \$ 25.870 | \$ 6.699 |

Deferred outflows of resources in the amount of \$6,598,000 related to pensions resulting from university contributions subsequent to the measurement date will be recognized as a reduction of the net pension liability in the year ended June 30, 2025.

At June 30, 2023, the university reported deferred outflows of resources and deferred inflows of resources related to pensions from the following sources:

(dollar amounts presented in thousands)

| <i>PERF</i> | | |
|---|---|--|
| | <i>Deferred Outflows of Resources</i> | <i>Deferred Inflows of Resources</i> |
| Differences between expected and actual experience | \$ 1,251 | \$ 221 |
| Changes of assumptions | 7,860 | 2,482 |
| Net difference between projected and actual earnings on pension plan Investments | 7,161 | – |
| Changes in proportion and differences between university contributions and proportionate share of contributions | – | 5,341 |
| University contributions subsequent to the measurement date | 6,895 | – |
| Total | \$ 23,167 | \$ 8,044 |

Other amounts reported as deferred outflows of resources and deferred inflows of resources related to pensions will be recognized in pension expense as follows:

(dollar amounts presented in thousands)

| <i>Fiscal Year Ending June 30</i> | <i>PERF</i> |
|-----------------------------------|------------------|
| 2024 | \$ 3,300 |
| 2025 | (1,239) |
| 2026 | 8,534 |
| 2027 | 1,978 |
| 2028 | – |
| Thereafter | – |
| Total | \$ 12,573 |

Actuarial Assumptions. The total pension liability as of June 30, 2023 and 2022, based on the results of actuarial valuation dates of June 30, 2022 and 2021, and rolled forward, respectively, were determined using the following actuarial assumptions, which were applied to all periods included in the measurement:

| | <i>PERF</i> | |
|---------------------------|---|---|
| | <i>Measurement Date as of June 30, 2023</i> | <i>Measurement Date as of June 30, 2022</i> |
| | FY 2026-2033 – 0.4% | FY 2024-2033 – 0.4% |
| Cost of living | FY 2034-2038 – 0.5% | FY 2034-2038 – 0.5% |
| | FY 2039 and thereafter – 0.6% | FY 2039 and thereafter – 0.6% |
| Inflation | 2.00%, average | 2.00%, average |
| Future salary increases | 2.65% to 8.65% | 2.65% to 8.65% |
| Investment rate of return | 6.25%, net of investment expense Based on Pub-2010 Public Retirement Plans | 6.25%, net of investment expense Based on Pub-2010 Public Retirement Plans |
| Mortality rates | Mortality Tables (Amount-Weighted) with a fully generational projection of mortality improvements using SOA Scale MP-2019 | Mortality Tables (Amount-Weighted) with a fully generational projection of mortality improvements using SOA Scale MP-2019 |

The actuarial assumptions used in the valuations of June 30, 2023, were adopted by the Indiana Public Retirement System Board pursuant to the experience studies that reflected the period from July 1, 2014, through June 30, 2019. Member census data as of June 30, 2022, was used in the valuation and adjusted, where appropriate, to reflect changes between June 30, 2022, and June 30, 2023. Standard actuarial roll forward techniques were then used to project the total pension liability computed as of June 30, 2022, to the June 30, 2023 measurement date.

There were no significant changes to the assumptions listed above for the pension plan since the prior measurement date of June 30, 2022.

The long-term expected rate of return on pension plan investments was determined using a building-block approach and assumes a time horizon, as defined in the INPRS Investment Policy Statement. A forecasted rate of inflation serves as the baseline for the return expectation. The target allocation and best estimates of geometric real rates of return for each major asset class are summarized in the following table:

| | <i>PERF</i> | | | |
|------------------------------------|-------------------------------|---------------------|-------------------------------|---------------------|
| | <i>Measurement Date as of</i> | | <i>Measurement Date as of</i> | |
| | <i>June 30, 2023</i> | | <i>June 30, 2022</i> | |
| | <i>Long-Term</i> | | <i>Long-Term</i> | |
| | <i>Target</i> | <i>Expected</i> | <i>Target</i> | <i>Expected</i> |
| | <i>Allocation¹</i> | <i>Real Rate of</i> | <i>Allocation¹</i> | <i>Real Rate of</i> |
| | | <i>Return</i> | | <i>Return</i> |
| Public equity | 20.0% | 3.7% | 20.0% | 3.6% |
| Private markets | 15.0% | 6.4% | 15.0% | 7.3% |
| Fixed income – ex inflation-linked | 20.0% | 2.2% | 20.0% | 1.5% |
| Fixed income – inflation-linked | 15.0% | 0.5% | 15.0% | (0.3)% |
| Commodities | 10.0% | 1.1% | 10.0% | 0.9% |
| Real estate | 10.0% | 3.4% | 10.0% | 4.2% |
| Absolute return | 5.0% | 1.6% | 5.0% | 2.1% |
| Risk parity | 20.0% | 5.9% | 20.0% | 3.8% |
| Cash and Cash Overlay | (15.0)% | – | (15.0)% | (1.7)% |
| Total | 100.0% | | 100.0% | |

¹The defined benefit plans target allocation for total exposure is 115%. For the long-term expected rate of return calculation, an additional-15% is allocated to the cash and cash overlay global asset class

Discount rate. The discount rate used to measure the total pension liability was 6.25% and 6.25% at June 30, 2023 and 2022, respectively. The projection of cash flows used to determine the discount rate assumed that employee contributions will be made at the current contribution rate and that contributions from participating employers will be made at contractually required rates, actuarially determined. Based on those assumptions, the pension plan's fiduciary net position was projected to be available to make all projected future benefit payments of current active and inactive employees. Therefore, the long-term expected rate of return on pension plan investments was applied to all periods of projected benefit payments to determine the total pension liability.

Sensitivity of the university's proportionate share of the PERF net pension liability. The following table presents the university's proportionate share of the PERF net pension liability using the discount rate of 6.25% and 6.25% at June 30, 2023 and 2022, respectively, as well as what the university's proportionate share of the net pension liability would be if it were calculated using a discount rate that is 1-percentage-point lower or 1-percentage-point higher than the current rate:

(dollar amounts presented in thousands)

| PERF | | | |
|--------------------------------------|-------------|---------------|-------------|
| Sensitivity of Net Pension Liability | 1% Decrease | Discount Rate | 1% Increase |
| June 30, 2024 (6.25%) | \$ 103,249 | \$ 63,355 | \$ 30,092 |
| June 30, 2023 (6.25%) | 98,032 | 58,029 | 24,663 |

Pension Plan Fiduciary Net Position. Detailed information about the pension plans' fiduciary net position is available in the separately issued INPRS financial report.

PAYABLE TO THE PENSION PLAN

The university reported a payable of \$1,437,000 at June 30, 2024, and \$1,207,000 at June 30, 2023, for the outstanding amount of contributions to the pension plans required for the year ended June 30, 2024 and 2023, respectively.

Note 13—Postemployment Benefits

PLAN DESCRIPTION

The university provides postemployment benefits for certain retired employees. The IU 18/20 Plan, medical, and life insurance benefits are presented for financial statement purposes as a consolidated plan (the "Plan").

The Plan is a single-employer defined benefit plan administered by Indiana University. The 18/20 Plan provides interim benefits to full-time appointed academic and professional staff employees who meet the following eligibility requirements: covered by the IU Retirement Plan 15% level on or before July 14, 1988, and has 18 years of participation in the IU Retirement Plan 15% level, at least 20 years of continuous full-time university service, and at least 64 years of age. This group of employees is eligible to receive monthly payments based on a hypothetical monthly annuity amount at age 70, up to the amount of terminal base salary, calculated as the average budgeted base salary for the five 12-month periods immediately preceding retirement. The 18/20 Plan was adopted by the Trustees of Indiana University ("trustees") and is closed to new entrants.

The university provides medical care coverage to individuals with retiree status and their eligible dependents. The cost of the coverage is borne fully by the individual. However, retiree medical care coverage is implicitly more expensive than active-employee coverage, which creates an implicit rate subsidy. The university provides retiree life insurance benefits in the amount of \$6,000 to terminated employees with retiree status. The health and life insurance plans have been established and may be amended under the authority of the trustees. The Plan does not issue a stand-alone financial report.

FUNDING POLICY

The contribution requirements of plan members and the university are established and may be amended by the trustees. The university contribution to the 18/20 Plan and retiree life insurance is based on pay-as-you-go financing requirements. Plan members do not make contributions.

The medical plans are self-funded and each plan's premiums are updated annually based on actual claims. Retirees receiving medical benefits paid \$1,445,000 and \$1,033,000 in premiums in the fiscal years ended June 30, 2024 and 2023, respectively. The university contributed \$17,632,000 and \$21,269,000 to the consolidated OPEB Plan in fiscal year ended June 30, 2024 and 2023, respectively. The university does not maintain a separate legal trust to house assets used to fund postemployment benefits.

As of the June 30, 2024 actuarial valuation date, the number of plan participants consisted of the following:

| | <i>18/20 Plan</i> | <i>Retiree Health Insurance</i> | <i>Retiree Life Insurance</i> |
|---------------------------------------|-------------------|-------------------------------------|-------------------------------|
| Active employees | 31 | 17,878 | 19,663 |
| Inactive employees receiving benefits | 69 | 258 | 6,903 |
| Total | 100 | 18,136 | 26,566 |

OPEB LIABILITY, OPEB EXPENSE, DEFERRED OUTFLOWS OF RESOURCES, AND DEFERRED INFLOWS OF RESOURCES

At June 30, 2024 and 2023, the university reported \$167,478,000 and \$181,632,000 for its total OPEB liability, respectively. The current portion of the OPEB liability was \$12,969,000 and \$17,632,000 at June 30, 2024 and 2023, respectively. At June 30, 2024 and 2023, the university reported \$16,180,000 and \$16,987,000 for its total OPEB expense, respectively. The June 30, 2024 total OPEB liability was measured as of June 30, 2024. Liabilities as of June 30, 2024 are based on an actuarial valuation date of July 1, 2024 with no adjustments to get to the June 30, 2024 measurement date. Liabilities as of June 30, 2023 are based on an actuarial valuation date of July 1, 2022 projected to June 30, 2023, reflecting actual premiums and contributions.

Changes in the total reported liability for postemployment benefits obligations and total OPEB expense for the year ended June 30, 2024, are summarized as follows:

(dollar amounts presented in thousands)

| | <i>18/20 Plan</i> | <i>Retiree Health Insurance</i> | <i>Retiree Life Insurance</i> | <i>Total</i> |
|---|-------------------|-------------------------------------|-----------------------------------|-------------------|
| Total OPEB liability, beginning of year | \$ 28,053 | \$ 115,132 | \$ 38,447 | \$ 181,632 |
| Service cost | 300 | 8,209 | 879 | 9,388 |
| Interest | 930 | 5,006 | 1,593 | 7,529 |
| Changes in assumptions | (60) | 7,192 | (455) | 6,677 |
| Differences between expected and actual experience | (822) | (18,417) | (877) | (20,116) |
| Benefit payments | (11,777) | (4,329) | (1,526) | (17,632) |
| Total OPEB liability, end of year | \$ 16,624 | \$ 112,793 | \$ 38,061 | \$ 167,478 |
| Current portion of OPEB liability | | | | \$ 12,969 |
| OPEB expense | \$ (439) | \$ 14,824 | \$ 1,795 | \$ 16,180 |

Changes in the total reported liability for postemployment benefits obligations and total OPEB expense for the year ended June 30, 2023, are summarized as follows:

(dollar amounts presented in thousands)

| | <i>18/20 Plan</i> | <i>Retiree Health Insurance</i> | <i>Retiree Life Insurance</i> | <i>Total</i> |
|--|-------------------|---------------------------------|-------------------------------|-------------------|
| Total OPEB liability, beginning of year | \$ 43,844 | \$ 97,422 | \$ 37,742 | \$ 179,008 |
| Service cost | 533 | 7,396 | 865 | 8,794 |
| Interest | 1,476 | 4,225 | 1,549 | 7,250 |
| Changes in assumptions | (13) | (385) | (233) | (631) |
| Differences between expected and actual experience | (1,056) | 9,536 | – | 8,480 |
| Benefit payments | (16,731) | (3,062) | (1,476) | (21,269) |
| Total OPEB liability, end of year | \$ 28,053 | \$ 115,132 | \$ 38,447 | \$ 181,632 |
| Current portion of OPEB liability | | | | \$ 17,632 |
| OPEB expense | \$ 450 | \$ 14,635 | \$ 1,902 | \$ 16,987 |

The discount rate changed from 4.13% as of June 30, 2023, to 4.21% as of June 30, 2024. The health care trend rates have been reset to an initial rate of 8.0% decreasing by 0.5% annually to an ultimate rate of 4.5%. The university has not had a recent experience study.

At June 30, 2024, the university reported deferred outflows and inflows of resources related to OPEB from the following sources:

(dollar amounts presented in thousands)

| | <i>Deferred Outflows of Resources</i> | <i>Deferred Inflows of Resources</i> |
|---|---------------------------------------|--------------------------------------|
| Changes in Assumptions: | | |
| 18/20 Plan | \$ 1,109 | \$ 915 |
| Retiree health insurance | 11,154 | 9,025 |
| Retiree life insurance | 4,522 | 9,256 |
| Differences between expected and actual experience: | | |
| 18/20 Plan | – | 6,106 |
| Retiree health insurance | 24,981 | 34,133 |
| Retiree life insurance | 170 | 1,618 |
| Total | \$ 41,936 | \$ 61,053 |

At June 30, 2023, the university reported deferred outflows and inflows of resources related to OPEB from the following sources:

(dollar amounts presented in thousands)

| | <i>Deferred Outflows of Resources</i> | <i>Deferred Inflows of Resources</i> |
|---|---|--|
| Changes in Assumptions: | | |
| 18/20 Plan | \$ 1,490 | \$ 1,087 |
| Retiree health insurance | 6,594 | 10,821 |
| Retiree life insurance | 5,948 | 10,685 |
| Differences between expected and actual experience: | | |
| 18/20 Plan | — | 7,102 |
| Retiree health insurance | 33,647 | 23,608 |
| Retiree life insurance | 230 | 1,021 |
| Total | \$ 47,909 | \$ 54,324 |

These amounts will be recognized in OPEB expense as follows:

(dollar amounts presented in thousands)

| | <i>18/20 Plan</i> | <i>Retiree Health Insurance</i> | <i>Retiree Life Insurance</i> | <i>Total</i> |
|--------------|-------------------|-------------------------------------|-----------------------------------|--------------------|
| 2025 | \$ (1,669) | \$ 1,610 | \$ (678) | \$ (737) |
| 2026 | (1,669) | 1,610 | (678) | (737) |
| 2027 | (860) | (4,908) | (851) | (6,619) |
| 2028 | (808) | (2,627) | (1,551) | (4,986) |
| 2029 | (552) | (1,046) | (2,062) | (3,660) |
| Thereafter | (354) | (1,662) | (362) | (2,378) |
| Total | \$ (5,912) | \$ (7,023) | \$ (6,182) | \$ (19,117) |

Actuarial Assumptions. Significant actuarial methods and assumptions used to calculate the university's total OPEB liability were:

| | <i>Measurement Date as of June 30, 2024</i> | <i>Measurement Date as of June 30, 2023</i> |
|------------------------------------|---|---|
| Payroll growth (medical/life plan) | 3.0% | 3.0% |
| Payroll growth (18/20 plan) | 2.5% | 2.5% |
| Inflation | 3.0% | 2.5% |
| Health care cost trend rates | 8.0% for fiscal year 2025 to 4.5% for fiscal year 2032 and thereafter Based on SOA Pub-2010 General Headcount | 7.0% for fiscal year 2023 to 4.5% for fiscal year 2029 and thereafter Based on SOA Pub-2010 General Headcount |
| Mortality rates | Weighted Mortality Table fully generational using Scale MP-2021 | Weighted Mortality Table fully generational using Scale MP-2021 |
| Actuarial cost method | Entry Age Normal Level % of Salary | Entry Age Normal Level % of Salary |

Discount rate. The discount rate used in valuing OPEB liabilities as of June 30, 2024, was 4.21% and 4.13% as of June 30, 2023. The discount rate must be based on a yield for 20-year tax-exempt general obligation municipal bonds with an average rating of AA/Aa or higher. The S&P 20-year municipal bond index was used for the current discount rate.

Sensitivity of total OPEB liability to the discount rate. The following table presents the June 30, 2024 total OPEB liability using the discount rate of 4.21% as well as what the total OPEB liability would be if it were calculated using a discount rate that is 1-percentage-point lower or 1-percentage-point higher than the current rate:

(dollar amounts presented in thousands)

| <i>Sensitivity of Total OPEB Liability</i> | <i>1% Decrease (3.21%)</i> | <i>June 30, 2024 Discount Rate (4.21%)</i> | <i>1% Increase (5.21%)</i> |
|--|--------------------------------|--|--------------------------------|
| 18/20 plan | \$ 16,761 | \$ 16,624 | \$ 16,478 |
| Retiree health insurance | 122,835 | 112,793 | 103,628 |
| Retiree life insurance | 44,404 | 38,061 | 33,018 |
| Total | \$ 184,000 | \$ 167,478 | \$ 153,124 |

Sensitivity of total OPEB liability to the discount rate. The following table presents the June 30, 2023 total OPEB liability using the discount rate of 4.13% as well as what the total OPEB liability would be if it were calculated using a discount rate that is 1-percentage-point lower or 1-percentage-point higher than the current rate:

(dollar amounts presented in thousands)

| <i>Sensitivity of Total OPEB Liability</i> | <i>1% Decrease (3.13%)</i> | <i>June 30, 2023 Discount Rate (4.13%)</i> | <i>1% Increase (5.13%)</i> |
|--|--------------------------------|--|--------------------------------|
| 18/20 plan | \$ 28,381 | \$ 28,053 | \$ 27,719 |
| Retiree health insurance | 125,187 | 115,132 | 105,934 |
| Retiree life insurance | 44,975 | 38,447 | 33,269 |
| Total | \$ 198,543 | \$ 181,632 | \$ 166,922 |

Sensitivity of total OPEB liability to the health care trend rate. The following table presents the university's retiree health insurance OPEB liability for both years as well as what the retiree health insurance OPEB liability would be if it were calculated using a health care trend rate that is 1-percentage-point lower or 1-percentage-point higher than the current rate:

(dollar amounts presented in thousands)

| <i>Sensitivity of Retiree Health Insurance OPEB Liability*</i> | <i>1% Decrease</i> | <i>Current Trend</i> | <i>1% Increase</i> |
|--|--------------------|----------------------|--------------------|
| June 30, 2024 (8.0% decreasing to 4.5%) | \$ 100,326 | \$ 112,793 | \$ 127,520 |
| June 30, 2023 (7.0% decreasing to 4.5%) | 101,676 | 115,132 | 131,099 |

**The 18/20 and retiree life insurance plans are not included above as they do not have a health care component.*

Note 14—Functional Expenses

The university's operating expenses by functional classification were as follows:

Fiscal year ended June 30, 2024

(dollar amounts presented in thousands)

| Functional Classification | Natural Classification | | | | Total |
|---------------------------------|-------------------------|---------------------------|---------------------|-------------------|---------------------|
| | Compensation & Benefits | Scholarship & Fellowships | Supplies & Expenses | Depreciation | |
| Instruction | \$ 1,050,015 | \$ 19,487 | \$ 264,939 | \$ — | \$ 1,334,441 |
| Research | 242,237 | 2,840 | 142,276 | — | 387,353 |
| Public service | 102,551 | 1,378 | 56,970 | — | 160,899 |
| Academic support | 474,492 | 2,782 | 162,310 | — | 639,584 |
| Student services | 105,227 | 908 | 38,882 | — | 145,017 |
| Institutional support | 142,790 | 94 | 65,394 | — | 208,278 |
| Physical plant | 110,689 | 2 | 83,383 | — | 194,074 |
| Scholarships & fellowships | 19,320 | 134,412 | 9,525 | — | 163,257 |
| Auxiliary enterprises | 260,180 | 5,511 | 188,545 | — | 454,236 |
| Depreciation | — | — | — | 210,010 | 210,010 |
| Total operating expenses | \$ 2,507,501 | \$ 167,414 | \$ 1,012,224 | \$ 210,010 | \$ 3,897,149 |

Fiscal year ended June 30, 2023

(dollar amounts presented in thousands)

| Functional Classification | Natural Classification | | | | Total |
|---------------------------------|-------------------------|----------------------------|---------------------|-------------------|---------------------|
| | Compensation & Benefits | Scholarships & Fellowships | Supplies & Expenses | Depreciation | |
| Instruction | \$ 1,057,302 | \$ 20,619 | \$ 275,238 | \$ — | \$ 1,353,159 |
| Research | 234,948 | 3,047 | 139,913 | — | 377,908 |
| Public service | 101,999 | 1,662 | 52,527 | — | 156,188 |
| Academic support | 394,698 | 2,864 | 149,860 | — | 547,422 |
| Student services | 100,342 | 864 | 33,704 | — | 134,910 |
| Institutional support | 130,387 | 308 | 57,069 | — | 187,764 |
| Physical plant | 99,269 | 1 | 75,543 | — | 174,813 |
| Scholarships & fellowships | 19,877 | 122,965 | 3,162 | — | 146,004 |
| Auxiliary enterprises | 238,805 | 5,257 | 165,243 | — | 409,305 |
| Depreciation | — | — | — | 202,670 | 202,670 |
| Total operating expenses | \$ 2,377,627 | \$ 157,587 | \$ 952,259 | \$ 202,670 | \$ 3,690,143 |

Note 15—Commitments and Loss Contingencies

The university had outstanding commitments for capital construction projects of \$158,638,000 and \$201,471,000 at June 30, 2024 and 2023, respectively.

The university is a party in a number of legal actions. While the final outcome in these legal actions cannot be determined at this time, management is of the opinion that the liability, if any, for these legal actions will not have a significant adverse effect on the university's financial position.

Note 16—Discretely Presented Component Units

Condensed financial statement information related to the University's component units for the year ended June 30, 2024 is as follows:

(dollar amounts presented in thousands)

| | Indiana University Foundation | Riley Children's Endowment | IU Medical Group Foundation | Regenstrief Institute, Inc. | Total |
|---|-------------------------------------|----------------------------------|-----------------------------------|-----------------------------------|---------------------|
| Assets | | | | | |
| Current assets | | | | | |
| Cash and cash equivalents | \$ 158,642 | \$ 12,865 | \$ 2,057 | \$ 2,541 | \$ 176,105 |
| Collateral under securities lending agreement | — | — | — | — | — |
| Accounts receivable, net | 44,008 | 21,801 | 1,601 | 3,716 | 71,126 |
| Other assets | — | — | — | 226 | 226 |
| Total current assets | 202,650 | 34,666 | 3,658 | 6,483 | 247,457 |
| Noncurrent assets | | | | | |
| Accounts receivable, net | 204,251 | — | — | — | 204,251 |
| Investments | 3,955,425 | 427,769 | 367,106 | 29,671 | 4,779,971 |
| Capital assets, net | 74,457 | 1,280 | — | 11,505 | 87,242 |
| Other assets | — | 43,044 | — | — | 43,044 |
| Total noncurrent assets | 4,234,133 | 472,093 | 367,106 | 41,176 | 5,114,508 |
| Total assets | 4,436,783 | 506,759 | 370,764 | 47,659 | 5,361,965 |
| Liabilities | | | | | |
| Current liabilities | | | | | |
| Accounts payable and accrued liabilities | 23,961 | 34,595 | — | 3,155 | 61,711 |
| Collateral under securities lending agreement | — | — | — | — | — |
| Current portion of long-term debt | — | — | — | 8,927 | 8,927 |
| Total current liabilities | 23,961 | 34,595 | — | 12,082 | 70,638 |
| Noncurrent liabilities | | | | | |
| Long-term debt | 149,216 | — | — | — | 149,216 |
| Assets held for the university | 519,802 | 2,204 | — | — | 522,006 |
| Assets held for university affiliates | 43,423 | — | — | — | 43,423 |
| Other noncurrent liabilities | 42,881 | 829 | — | — | 43,710 |
| Total noncurrent liabilities | 755,322 | 3,033 | — | — | 758,355 |
| Total liabilities | 779,283 | 37,628 | — | 12,082 | 828,993 |
| Net position | | | | | |
| Net investment in capital assets | 74,457 | 1,280 | — | 11,505 | 87,242 |
| Restricted for: | | | | | |
| Nonexpendable – endowments | 2,368,604 | 139,138 | — | — | 2,507,742 |
| Expendable: | | | | | |
| Scholarships, research, instruction, other | 1,079,052 | 87,452 | 8,082 | 11,330 | 1,185,916 |
| Capital projects | 146,423 | 9,542 | — | — | 155,965 |
| Unrestricted | (11,036) | 231,719 | 362,682 | 12,742 | 596,107 |
| Total net position | \$ 3,657,500 | \$ 469,131 | \$ 370,764 | \$ 35,577 | \$ 4,532,972 |

(dollar amounts presented in thousands)

| | Indiana University Foundation | Riley Children's Endowment | IU Medical Group Foundation | Regenstrief Institute, Inc. | Total |
|---|--|---|--|--|---------------------|
| Operating revenues | | | | | |
| Federal grants and contracts | \$ — | \$ 774 | \$ — | \$ — | \$ 774 |
| Nongovernmental grants and contracts | — | — | — | 20,743 | 20,743 |
| Sales, services, and other revenue | 26,292 | 89 | — | 101 | 26,482 |
| Total operating revenues | 26,292 | 863 | — | 20,844 | 47,999 |
| Operating expenses | | | | | |
| Compensation and benefits | 37,275 | 8,535 | — | 16,909 | 62,719 |
| Student financial aid | 67,312 | — | — | — | 67,312 |
| Energy and utilities | 252 | 13 | — | 65 | 330 |
| Travel | 3,067 | 111 | — | 724 | 3,902 |
| Supplies and general expense | 137,515 | 49,566 | 11,306 | 9,168 | 207,555 |
| Depreciation and amortization | 3,144 | 124 | — | 710 | 3,978 |
| Total operating expenses | 248,565 | 58,349 | 11,306 | 27,576 | 345,796 |
| Nonoperating revenues (expenses) | | | | | |
| Investment income (loss) | 272,989 | 50,758 | 38,594 | 1,902 | 364,243 |
| Gifts | 32,464 | 55,638 | 3,143 | 3,103 | 94,348 |
| Interest expense | — | — | — | (328) | (328) |
| Net nonoperating revenues | 305,453 | 106,396 | 41,737 | 4,677 | 458,263 |
| Other | | | | | |
| Additions to permanent endowments | 136,869 | — | — | — | 136,869 |
| Total other | 136,869 | — | — | — | 136,869 |
| Increase (decrease) in net position | 220,049 | 48,910 | 30,431 | (2,055) | 297,335 |
| Net position, beginning of year | 3,437,451 | 420,221 | 340,333 | 37,632 | 4,235,637 |
| Net position, end of year | \$ 3,657,500 | \$ 469,131 | \$ 370,764 | \$ 35,577 | \$ 4,532,972 |

Condensed financial statement information related to the University's component units for the year ended June 30, 2023 is as follows:
(dollar amounts presented in thousands)

| | Indiana University Foundation | Riley Children's Endowment | IU Medical Group Foundation | Regenstrief Institute, Inc. | Total |
|---|-------------------------------------|----------------------------------|-----------------------------------|-----------------------------------|---------------------|
| Assets | | | | | |
| Current assets | | | | | |
| Cash and cash equivalents | \$ 114,717 | \$ 6,746 | \$ 3,419 | \$ 1,821 | \$ 126,703 |
| Collateral under securities lending agreement | 23,214 | – | – | – | 23,214 |
| Accounts receivable, net | 39,518 | 10,078 | 1,388 | 8,543 | 59,527 |
| Other assets | – | – | – | 418 | 418 |
| Total current assets | 177,449 | 16,824 | 4,807 | 10,782 | 209,862 |
| Noncurrent assets | | | | | |
| Accounts receivable, net | 232,143 | – | – | – | 232,143 |
| Investments | 3,701,826 | 401,225 | 335,526 | 26,881 | 4,465,458 |
| Capital assets, net | 68,625 | 1,317 | – | 12,052 | 81,994 |
| Other assets | – | 39,851 | – | – | 39,851 |
| Total noncurrent assets | 4,002,594 | 442,393 | 335,526 | 38,933 | 4,819,446 |
| Total assets | 4,180,043 | 459,217 | 340,333 | 49,715 | 5,029,308 |
| Liabilities | | | | | |
| Current liabilities | | | | | |
| Accounts payable and accrued liabilities | 10,905 | 34,374 | – | 2,833 | 48,112 |
| Collateral under securities lending agreement | 23,214 | – | – | – | 23,214 |
| Current portion of long-term debt | – | – | – | 324 | 324 |
| Total current liabilities | 34,119 | 34,374 | – | 3,157 | 71,650 |
| Noncurrent liabilities | | | | | |
| Long-term debt | 149,188 | – | – | 8,926 | 158,114 |
| Assets held for the university | 476,120 | 3,633 | – | – | 479,753 |
| Assets held for university affiliates | 41,853 | – | – | – | 41,853 |
| Other noncurrent liabilities | 41,312 | 989 | – | – | 42,301 |
| Total noncurrent liabilities | 708,473 | 4,622 | – | 8,926 | 722,021 |
| Total liabilities | 742,592 | 38,996 | – | 12,083 | 793,671 |
| Net position | | | | | |
| Net investment in capital assets | 68,625 | 1,317 | – | 3,126 | 73,068 |
| Restricted for: | | | | | |
| Nonexpendable – endowments | 2,245,441 | 131,716 | – | – | 2,377,157 |
| Expendable: | | | | | |
| Scholarships, research, instruction, other | 1,026,869 | 61,947 | 12,917 | 12,958 | 1,114,691 |
| Capital projects | 147,566 | 9,263 | – | – | 156,829 |
| Unrestricted | (51,050) | 215,978 | 327,416 | 21,548 | 513,892 |
| Total net position | \$ 3,437,451 | \$ 420,221 | \$ 340,333 | \$ 37,632 | \$ 4,235,637 |

(dollar amounts presented in thousands)

| | Indiana University Foundation | Riley Children's Endowment | IU Medical Group Foundation | Regenstrief Institute, Inc. | Total |
|---|-------------------------------------|----------------------------------|-----------------------------------|-----------------------------------|---------------------|
| Operating revenues | | | | | |
| Federal grants and contracts | \$ — | \$ 73 | \$ — | \$ — | \$ 73 |
| Nongovernmental grants and contracts | — | — | — | 20,301 | 20,301 |
| Sales, services, and other revenue | 22,749 | 28 | — | 1,830 | 24,607 |
| Total operating revenues | 22,749 | 101 | — | 22,131 | 44,981 |
| Operating expenses | | | | | |
| Compensation and benefits | 30,017 | 7,317 | — | 16,173 | 53,507 |
| Student financial aid | 60,317 | — | — | — | 60,317 |
| Energy and utilities | 314 | 16 | — | 112 | 442 |
| Travel | 2,471 | 103 | — | 717 | 3,291 |
| Supplies and general expense | 147,617 | 40,431 | 26,318 | 9,719 | 224,085 |
| Depreciation and amortization | 2,704 | 180 | — | 827 | 3,711 |
| Total operating expenses | 243,440 | 48,047 | 26,318 | 27,548 | 345,353 |
| Nonoperating revenues (expenses) | | | | | |
| Investment income (loss) | 114,985 | 38,449 | 23,624 | 870 | 177,928 |
| Gifts | 63,222 | 38,526 | 89,131 | 3,500 | 194,379 |
| Interest expense | — | — | — | (338) | (338) |
| Net nonoperating revenues | 178,207 | 76,975 | 112,755 | 4,032 | 371,969 |
| Other | | | | | |
| Additions to permanent endowments | 87,463 | — | — | — | 87,463 |
| Total other | 87,463 | — | — | — | 87,463 |
| Increase (decrease) in net position | 44,979 | 29,029 | 86,437 | (1,385) | 159,060 |
| Net position, beginning of year | 3,392,472 | 391,192 | 253,896 | 39,017 | 4,076,577 |
| Net position, end of year | \$ 3,437,451 | \$ 420,221 | \$ 340,333 | \$ 37,632 | \$ 4,235,637 |

Note 17—Subsequent Events

Indiana University and Purdue University issued a joint memorandum of understanding on August 12, 2022, to separate Indiana University Purdue University Indianapolis (IUPUI) into two institutions. On June 14, 2023, Indiana University and Purdue University signed the Program Transfer Agreement. Effective July 1, 2024, IUPUI became two separate institutions: Indiana University Indianapolis and Purdue University in Indianapolis.

The expected reduction in revenue from programs transitioning to Purdue University is anticipated to be largely offset by the reduction of expenses for operating those same programs. In addition, Indiana University Indianapolis expects to receive revenues for services, such as emergency services, environmental health and safety, student health center, and use of library among others, provided to Purdue University. Ownership of the ground and buildings remains with Indiana University. As a result, the university does not anticipate a material change in financial position or results of operation as a result of the transition.

Required Supplementary Information – Indiana Public Employees' Retirement Fund

Schedule of the University's Proportionate Share of the Net Pension Liability for the Indiana Public Employees' Retirement Fund (last 10 years):

(dollar amounts presented in thousands)

| Measurement Date as of: | University's proportion of the net pension liability | University's proportionate share of the net pension liability | University's covered payroll | University's proportionate share of the net liability as a percentage of its covered payroll | Plan fiduciary net position as a percentage of the total pension liability |
|----------------------------|---|--|---------------------------------|---|---|
| June 30, 2023 | 1.80% | \$63,355 | \$61,283 | 103.38% | 80.80% |
| June 30, 2022 | 1.84% | \$58,029 | \$79,916 | 72.61% | 82.50% |
| June 30, 2021 | 1.88% | \$24,801 | \$84,371 | 29.39% | 92.50% |
| June 30, 2020 | 1.93% | \$58,280 | \$94,664 | 61.56% | 81.40% |
| June 30, 2019 | 1.97% | \$65,254 | \$101,364 | 64.38% | 80.10% |
| June 30, 2018 | 2.02% | \$68,576 | \$124,694 | 55.00% | 78.90% |
| June 30, 2017 | 2.06% | \$92,066 | \$128,504 | 71.64% | 76.60% |
| June 30, 2016 | 2.11% | \$95,689 | \$139,508 | 68.59% | 75.30% |
| June 30, 2015 | 3.30% | \$134,565 | \$156,848 | 85.79% | 77.30% |
| June 30, 2014 | 3.85% | \$101,229 | \$185,019 | 54.71% | 84.30% |

The amounts presented for each fiscal year were determined as of June 30.

Schedule of the University's Contributions for the Indiana Public Employees' Retirement Fund (last 10 years):

(dollar amounts presented in thousands)

| Fiscal Year | Contractually required contribution | Contributions in relations to the contractually required contribution | Contribution deficiency | University's covered payroll | Contributions as a percentage of covered payroll |
|-------------|--|---|----------------------------|---------------------------------|--|
| 2024 | \$6,847 | \$(6,847) | – | \$62,788 | 10.91% |
| 2023 | \$6,409 | \$(6,409) | – | \$61,283 | 10.46% |
| 2022 | \$8,824 | \$(8,824) | – | \$79,916 | 11.04% |
| 2021 | \$9,154 | \$(9,154) | – | \$84,371 | 10.85% |
| 2020 | \$10,583 | \$(10,583) | – | \$94,664 | 11.18% |
| 2019 | \$11,170 | \$(11,170) | – | \$101,364 | 11.02% |
| 2018 | \$13,978 | \$(13,978) | – | \$124,694 | 11.21% |
| 2017 | \$13,980 | \$(13,980) | – | \$128,504 | 10.88% |
| 2016 | \$15,637 | \$(15,637) | – | \$139,508 | 11.21% |
| 2015 | \$17,484 | \$(17,484) | – | \$156,848 | 11.15% |

The amounts presented for each fiscal year were determined as of June 30.

Notes to RSI:

Changes of Benefit Terms: There were no changes of benefit terms for the years presented.

Changes in Assumptions:

FY 2024:

None

FY 2023:

Non8

FY 2022:

The Interest Rate / Investment Return and Discount Rate assumption changed from 6.75% to 6.25%.

The inflation assumption changed from 2.25% to 2.00%.

The Future Salary Scale assumption changed from 2.75% - 8.75% to 2.65% - 8.65%.

FY 2021:

The future salary increase assumption changed from an age-based table ranging from 2.50% to 4.25% to a service-based table ranging from 2.75% to 8.75%.

The mortality assumption changed from the RP-2014 (with MP-2014 improvement removed) Total Data Set Mortality Tables projected on a fully generational basis using the future mortality improvement scale inherent in the mortality projection included in the Social Security Administration's 2014 Trustee Report to the Pub-2010 Public Retirement Plans Mortality Tables with a fully generational projection of mortality improvements using SOA Scale MP-2019. Specific mortality table variants and adjustments are used for different subpopulations.

The retirement assumption was updated based on recent experience and was updated from an age- and service-based table to an age-based table dependent on eligibility for a reduced benefit or unreduced benefit. Additionally, for actives who are eligible for early retirement (reduced benefit), 30% are now assumed to commence benefits immediately and 70% are assumed to commence benefits at unreduced retirement eligibility. Previously 33% of actives were assumed to commence benefits with early retirement while 67% were assumed to wait for unreduced retirement eligibility.

The termination assumption was updated based on recent experience. For state members, the tables were combined from being split by salary and sex to being one unisex service-based table. For members in political subdivisions earning more than \$20,000, the sex-distinct tables were combined to one unisex service-based table. For members in political subdivisions earning less than \$20,000, the sex-distinct age-based table was maintained, and the rates were updated based on experience.

The disability assumption was updated based on recent experience.

The marital assumption was updated based on recent experience: 80% of male members and 65% of female members are assumed to be married or to have a dependent beneficiary. Previously, 75% of male members and 60% of female members were assumed to be married or to have a dependent beneficiary.

The load placed on the final average earnings to account for additional wages received upon termination, such as severance pay or unused sick leave, decreased from \$400 to \$200.

FY 2020:

None

FY 2019:

For the actuarial valuation as of June 30, 2018, the Cost-of-Living Adjustment (COLA) assumption was changed due to passage of Senate Enrolled Act No. 373. In lieu of a 1.0% COLA beginning on January 1, 2020, INPRS assumes the COLA will be replaced by a 13th check for 2020 and 2021. The COLA assumption thereafter, would be 0.4% beginning on January 1, 2022, changing to 0.5% beginning on January 1, 2034, and ultimately 0.6% beginning on January 1, 2039.

FY 2018:

For the actuarial valuation as of June 30, 2017, an actuarial audit was completed which included updating the following assumptions: adding a load on final average salary of \$400 to reflect unused sick leave accumulated at termination of employment for active and inactive vested members. Additionally, for disabled members, the RP-2014 (with MP-2014 improvement removed) Disability Mortality tables are assumed instead of the RP-2014 (with MP-2014 improvement removed) Total Data Set Mortality tables.

FY 2017:

None

FY 2016:

The inflation assumption changed from 3.00% to 2.25% per year.

The future salary increase assumption changed from an age-based table ranging from 3.25% to 4.50% to an age-based table ranging from 2.50% to 4.25%.

The mortality assumption changed from the 2013 IRS Static Mortality projected five (5) years with Scale AA to the RP-2014 (with MP-2014 improvement removed) Total Data Set Mortality Tables projected on a fully generational basis using the future mortality improvement scale inherent in the mortality projection included in the Social Security Administration's 2014 Trustee Report.

The retirement assumption was updated based on recent experience. Additionally, for actives who are eligible for early retirement (reduced benefit), 33% are assumed to commence benefits immediately and 67% are assumed to commence benefits at unreduced retirement eligibility. 100% of actives were assumed to commence benefits immediately upon early retirement eligibility in the prior year.

The termination assumption was updated based on recent experience. For members earning less than \$20,000, the tables were updated from a select and ultimate table to just an ultimate table as there is little correlation with service. For members earning more than \$20,000, the tables were updated from using a 5-year select period to a 10-year select period to correspond with the vesting schedule.

The disability assumption was updated based on recent experience.

The ASA Annuitization assumption was updated from 50% of members assumed to annuitize their ASA balance to 60% of members assumed to annuitize their ASA balance prior to January 1, 2017.

FY 2015:

Assumptions concerning ASA withdrawal and annuitization were added pursuant to the addition of IC 5-10.5-4-2.5 and 2.6 in accordance with the 2014 House Enrolled Act No. 1075.

All other assumptions are the same as the June 30, 2013 valuation.

Required Supplementary Information – Other Postemployment Benefit Plans

Schedule of the University's Total Liability for Other Postemployment Benefit Plans (last 10 years¹) Under GASB 75:

(dollar amounts presented in thousands)

| | Service Cost | Interest | Changes in Assumptions | Differences Between Expected and Actual Experience | Benefit Payments | Net Change in Total OPEB Liability | Total OPEB Liability, Beginning of Year | Total OPEB Liability, End of Year | Covered Payroll | Total Liability as Percentage of Covered Payroll |
|--------------------------|------------------|-----------------|---------------------------|--|---------------------|---|--|--|--------------------|---|
| FY 2024: | | | | | | | | | | |
| 18/20 Plan | \$ 300 | \$ 930 | \$ (60) | \$(822) | \$ (11,777) | \$(11,429) | \$ 28,053 | \$ 16,624 | \$ 5,095 | 326.3% |
| Retiree Health Insurance | 8,209 | 5,006 | 7,192 | (18,417) | (4,329) | (2,339) | 115,132 | 112,793 | 1,486,173 | 7.6% |
| Retiree Life Insurance | 879 | 1,593 | (455) | (877) | (1,526) | (386) | 38,447 | 38,061 | 1,486,173 | 2.6% |
| Total | \$ 9,388 | \$ 7,529 | \$ 6,677 | \$ (20,116) | \$ (17,632) | \$ (14,154) | \$ 181,632 | \$ 167,478 | | |
| FY 2023: | | | | | | | | | | |
| 18/20 Plan | \$ 533 | \$ 1,476 | \$ (13) | \$(1,056) | \$ (16,731) | \$(15,791) | \$ 43,844 | \$ 28,053 | \$ 6,694 | 419.1% |
| Retiree Health Insurance | 7,396 | 4,225 | (385) | 9,536 | (3,062) | 17,710 | 97,422 | 115,132 | 1,374,581 | 8.4% |
| Retiree Life Insurance | 865 | 1,549 | (233) | – | (1,476) | 705 | 37,742 | 38,447 | 1,374,581 | 2.8% |
| Total | \$ 8,794 | \$ 7,250 | \$ (631) | \$ 8,480 | \$ (21,269) | \$ 2,624 | \$ 179,008 | \$ 181,632 | | |
| FY 2022: | | | | | | | | | | |
| 18/20 Plan | \$ 1,298 | \$ 1,187 | \$ (1,082) | \$ (1,378) | \$ (18,107) | \$(18,082) | \$ 61,926 | \$ 43,844 | \$ 8,775 | 499.6% |
| Retiree Health Insurance | 8,652 | 2,256 | (13,978) | 7,685 | (3,133) | 1,482 | 95,940 | 97,422 | 1,334,545 | 7.3% |
| Retiree Life Insurance | 1,718 | 1,144 | (13,570) | (1,361) | (1,435) | (13,504) | 51,246 | 37,742 | 1,334,545 | 2.8% |
| Total | \$ 11,668 | \$ 4,587 | \$ (28,630) | \$ 4,946 | \$ (22,675) | \$ (30,104) | \$ 209,112 | \$ 179,008 | | |
| FY 2021: | | | | | | | | | | |
| 18/20 Plan | \$ 1,657 | \$ 1,965 | \$ 381 | \$ (2,431) | \$ (23,584) | \$(22,012) | \$ 83,938 | \$ 61,926 | \$ 13,233 | 468.0% |
| Retiree Health Insurance | 9,024 | 2,848 | 3,648 | (16,300) | (2,654) | (3,434) | 99,374 | 95,940 | 1,347,071 | 7.1% |
| Retiree Life Insurance | 1,430 | 1,240 | 4,087 | – | (1,402) | 5,355 | 45,891 | 51,246 | 1,347,071 | 3.8% |
| Total | \$ 12,111 | \$ 6,053 | \$ 8,116 | \$ (18,731) | \$ (27,640) | \$ (20,091) | \$ 229,203 | \$ 209,112 | | |
| FY 2020: | | | | | | | | | | |
| 18/20 Plan | \$ 2,442 | \$ 3,344 | \$ 2,014 | \$ (2,431) | \$ (28,297) | \$(22,928) | \$ 106,866 | \$ 83,938 | \$ 20,425 | 411.0% |
| Retiree Health Insurance | 8,746 | 4,052 | 3,852 | (22,099) | (3,690) | (9,139) | 108,513 | 99,374 | 1,307,836 | 7.6% |
| Retiree Life Insurance | 1,118 | 1,391 | 5,188 | 413 | (1,469) | 6,641 | 39,250 | 45,891 | 1,307,836 | 3.5% |
| Total | \$ 12,306 | \$ 8,787 | \$ 11,054 | \$ (24,117) | \$ (33,456) | \$ (25,426) | \$ 254,629 | \$ 229,203 | | |
| FY 2019: | | | | | | | | | | |

| | | | | | | | | | | |
|--------------------------|------------------|------------------|-----------------|-------------------|--------------------|--------------------|-------------------|-------------------|-----------|--------|
| 18/20 Plan | \$ 2,209 | \$ 4,571 | \$ 653 | \$ (3,203) | \$ (26,277) | \$ (22,047) | \$ 128,913 | \$ 106,866 | \$ 24,322 | 439.4% |
| Retiree Health Insurance | 8,427 | 4,243 | 3,257 | (6,325) | (4,552) | 5,050 | 103,463 | 108,513 | 1,248,265 | 8.7% |
| Retiree Life Insurance | 974 | 1,410 | 2,134 | – | (1,435) | 3,083 | 36,167 | 39,250 | 1,248,265 | 3.1% |
| Total | \$ 11,610 | \$ 10,224 | \$ 6,044 | \$ (9,528) | \$ (32,264) | \$ (13,914) | \$ 268,543 | \$ 254,629 | | |

FY 2018:

| | | | | | | | | | | |
|--------------------------|-----------------|-----------------|-----------------|------------------|--------------------|--------------------|-------------------|-------------------|-----------|--------|
| 18/20 Plan | \$ 3,442 | \$ 5,169 | \$ (790) | \$ (3,625) | \$ (32,188) | \$ (27,992) | \$ 156,905 | \$ 128,913 | \$ 23,729 | 543.3% |
| Retiree Health Insurance | 3,111 | 1,494 | 3,498 | 58,618 | (3,714) | 63,007 | 40,456 | 103,463 | 1,211,908 | 8.5% |
| Retiree Life Insurance | 1,095 | 1,301 | (909) | 69 | (1,286) | 270 | 35,897 | 36,167 | 1,211,908 | 3.0% |
| Total | \$ 7,648 | \$ 7,964 | \$ 1,799 | \$ 55,062 | \$ (37,188) | \$ 35,285 | \$ 233,258 | \$ 268,543 | | |

¹GASB Statement No. 75 requires disclosure of a 10-year schedule. The financial statement information was not available for years prior to 2018. Additional years will be included in future reports as data becomes available.

Notes to RSI:

No assets were accumulated in a trust.

FY 2024:

Changes of Benefit Terms: There were no changes of benefit terms for the plan year ended June 30, 2024.

Changes in Assumptions: The discount rate increased to 4.21% as of June 30, 2024. The health care trend rates have been reset to an initial rate of 8.0% decreasing by 0.5% annually to an ultimate rate of 4.5%.

FY 2023:

Changes of Benefit Terms: There were no changes of benefit terms for the plan year ended June 30, 2023.

Changes in Assumptions: The discount rate increased to 4.13% as of June 30, 2023. The health care trend rates have been reset to an initial rate of 7.0% decreasing by 0.5% annually to an ultimate rate of 4.5%.

FY 2022:

Changes of Benefit Terms: There were no changes of benefit terms for the plan year ended June 30, 2022.

Changes in Assumptions: The discount rate increased to 4.09% as of June 30, 2022. The inflation rate decreased to 2.50% per year as of June 30, 2022. The mortality table has been updated from headcount-weighted, fully generational using Scale MP-2019 to headcount-weighted, fully generational using Scale MP-2021.

FY 2021:

Changes of Benefit Terms: There were no changes of benefit terms for the plan year ended June 30, 2021.

Changes in Assumptions: The discount rate decreased to 2.19% as of June 30, 2021. The health care trend rates have been reset to an initial rate of 7.5% decreasing by 0.5% annually to an ultimate rate of 4.5%.

FY 2020:

Changes of Benefit Terms: There were no changes of benefit terms for the plan year ended June 30, 2020.

Changes in Assumptions: The discount rate decreased to 2.66% as of June 30, 2020. The health care trend rates have been reset to an initial rate of 8.0% decreasing by 0.5% annually to an ultimate rate of 4.5%. The mortality table has been updated from fully generational using Scale MP-2017 to headcount-weighted, fully generational using Scale MP-2019.

FY 2019:

Changes of Benefit Terms: There were no changes of benefit terms for the plan year ended June 30, 2019.

Changes in Assumptions: The discount rate decreased to 3.51% as of June 30, 2019. The health care trend rates have been reset to an initial rate of 8.5% decreasing by 0.5% annually to an ultimate rate of 5.0%.

FY 2018:

Changes of Benefit Terms: *There were no changes of benefit terms for the plan year ended June 30, 2018; however, the medical plan available to retirees has been changed from the PPO \$900 Deductible plan (which is no longer offered) to the Anthem PPO HDHP plan.*

Changes in Assumptions: *The discount rate was 3.87% as of June 30, 2018, and 3.58% as of July 1, 2017. The actuarial cost method was updated from Projected Unit Credit with linear proration to decrement to Entry Age Normal Level % of Salary. The mortality table has been updated from SOA RPH-2015 Total Dataset Mortality Table fully generational using Scale MP-2015 to SOA RPH-2017 Total Dataset Mortality Table fully generational using Scale MP-2017. The health care trend rates have been reset to an initial rate of 9.0% decreasing by 0.5% annually to an ultimate rate of 5.0%.*

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Bloomington, IN 47408
<https://gov.iu.edu>

Financial Reporting

Associate Vice President and
University Controller
Office of the University Controller
1024 E 3rd St.
Indiana University
Bloomington, IN 47405
<https://controller.iu.edu>

Admissions

Vice Provost for Enrollment
Management
Office of Admissions
940 E. Seventh Street
Indiana University
Bloomington, IN 47405-7108
<https://oem.indiana.edu>

Gifts

Indiana University Foundation
Showalter House
1500 N. State Road 46 Bypass
Bloomington, IN 47408
<https://iufoundation.iu.edu/>

Grants

Vice President for Research
Bryan Hall 300
107 S. Indiana Avenue
Bloomington, IN 47405
<https://research.iu.edu>

Athletics

Athletics Media Relations
Simon Skjodt Assembly Hall
1001 E. 17th Street
Indiana University
Bloomington, IN 47408-1590
<https://iuhoosiers.com/>

Alumni

Alumni Association
Virgil T. DeVault Alumni Center
1000 E. 17th Street
Bloomington, IN 47408-1521
<http://alumni.iu.edu>

Indiana University

Federal Awards Supplemental Information
June 30, 2024

Independent Auditor's Reports

Report on Schedule of Expenditures of Federal Awards Required by the Uniform Guidance 1

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 2-3

Report on Compliance for Each Major Federal Program and Report on Internal Control Over
Compliance Required by the Uniform Guidance 4-6

Schedule of Expenditures of Federal Awards 7-18

Notes to Schedule of Expenditures of Federal Awards 35

Schedule of Findings and Questioned Costs 36



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

Independent Auditor's Report

To the Board of Trustees
Indiana University

We have audited the financial statements of the business-type activities and aggregate discretely presented component units of Indiana University (the "University"), a component unit of the State of Indiana, as of and for the year ended June 30, 2024 and the related notes to the financial statements, which collectively comprise the University's basic financial statements. We issued our report thereon dated October 29, 2024, which contained an unmodified opinion on the financial statements. Our audit was conducted for the purpose of forming opinions on the financial statements that collectively comprise the basic financial statements. We have not performed any procedures with respect to the audited financial statements subsequent to October 29, 2024. We did not audit the financial statements of the discretely presented component units, which represent all of the assets, net position, and revenue of the discretely presented component units. Those financial statements were audited by other auditors, whose report thereon has been furnished to us, and our opinion, insofar as it relates to the amounts included for the discretely presented component units, is based solely on the report of the other auditors.

The accompanying schedule of expenditures of federal awards is presented for the purpose 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 basic 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 information is fairly stated in all material respects in relation to the financial statements as a whole.

Plante & Moran, PLLC

March 12, 2025

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*

Independent Auditor's Report

To Management and the Board of Trustees
 Indiana University

We have audited, 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, the financial statements of the business-type activities and aggregate discretely presented component units of Indiana University (the "University"), a component unit of the State of Indiana, as of and for the year ended June 30, 2024 and the related notes to the financial statements, which collectively comprise the University's basic financial statements, and have issued our report thereon dated October 29, 2024. Our report includes a reference to other auditors who audited the financial statements of the discretely presented component units, as described in our report on the Indiana University's financial statements. In addition, the financial statements of the discretely presented component units were not audited in accordance with *Government Auditing Standards*. Accordingly, 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.

Report on Internal Control Over Financial Reporting

In planning and performing our audit of the financial statements, we considered the University's internal control over financial reporting (internal control) as a basis for designing audit procedures that are appropriate in the circumstances for the purpose of expressing our opinions on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the University's internal control. Accordingly, we do not express an opinion on the effectiveness of the University'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 University'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 or significant deficiencies may exist that were not identified.

Report on Compliance and Other Matters

As part of obtaining reasonable assurance about whether the University'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 financial statements. 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*.

To Management and the Board of Trustees
Indiana University

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 results of that testing, and not to provide an opinion on the effectiveness of the University'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 University's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

Plante & Moreau, PLLC

October 29, 2024

Report on Compliance for Each Major Federal Program and Report on Internal Control Over Compliance
Required by the Uniform Guidance

Independent Auditor's Report

To the Board of Trustees
Indiana University

Report on Compliance for Each Major Federal Program

Opinion on Each Major Federal Program

We have audited Indiana University's (the "University") compliance with the types of compliance requirements identified as subject to audit in the OMB *Compliance Supplement* that could have a direct and material effect on the University's major federal program for the year ended June 30, 2024. The University's major federal program is identified in the summary of auditor's results section of the accompanying schedule of findings and questioned costs.

In our opinion, the University complied, in all material respects, with the compliance requirements referred to above that could have a direct and material effect on the major federal program for the year ended June 30, 2024.

Basis for Opinion on Each Major Federal Program

We conducted our audit of compliance in accordance with auditing standards generally accepted in the United States of America (GAAS); 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* (the "Uniform Guidance"). Our responsibilities under those standards and the Uniform Guidance are further described in the *Auditor's Responsibilities for the Audit of Compliance* section of our report.

We are required to be independent of the University and to meet our other ethical responsibilities in accordance with relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion on compliance for each major federal program. Our audit does not provide a legal determination of the University's compliance with the compliance requirements referred to above.

Responsibilities of Management for Compliance

Management is responsible for compliance with the requirements referred to above and for the design, implementation, and maintenance of effective internal control over compliance with the requirements of laws, statutes, regulations, rules, and provisions of contracts or grant agreements applicable to the University's federal program.

Auditor's Responsibilities for the Audit of Compliance

Our objectives are to obtain reasonable assurance about whether material noncompliance with the compliance requirements referred to above occurred, whether due to fraud or error, and express an opinion on the University's compliance based on our audit. Reasonable assurance is a high level of assurance but is not absolute assurance and, therefore, is not a guarantee that an audit conducted in accordance with GAAS, *Government Auditing Standards*, and the Uniform Guidance will always detect material noncompliance when it exists. The risk of not detecting material noncompliance resulting from fraud is higher than for that resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Noncompliance with the compliance requirements referred to above is considered material if there is a substantial likelihood that, individually or in the aggregate, it would influence the judgment made by a reasonable user of the report on compliance about the University's compliance with the requirements of each major federal program as a whole.

In performing an audit in accordance with GAAS, *Government Auditing Standards*, and the Uniform Guidance, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material noncompliance, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the University's compliance with the compliance requirements referred to above and performing such other procedures as we considered necessary in the circumstances.
- Obtain an understanding of the University's internal control over compliance relevant to the audit in order to design audit procedures that are appropriate in the circumstances 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 the University's internal control over compliance. Accordingly, no such opinion is expressed.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and any significant deficiencies and material weaknesses in internal control over compliance that we identified during the audit.

Report on Internal Control Over Compliance

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 a 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. 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.

Our consideration of internal control over compliance was for the limited purpose described in the *Auditor's Responsibilities for the Audit of Compliance* section above and was not designed to identify all deficiencies in internal control over compliance that might be material weaknesses or significant deficiencies in internal control over compliance. Given these limitations, during our audit we did not identify any deficiencies in internal control over compliance that we consider to be material weaknesses, as defined above. However, material weaknesses or significant deficiencies in internal control over compliance may exist that were not identified.

Our audit was not designed for the purpose of expressing an opinion on the effectiveness of internal control over compliance. Accordingly, no such opinion is expressed.

To the Board of Trustees
Indiana University

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.

Plante & Moreau, PLLC

March 12, 2025

| Cluster | Assistance Listing Number | ALN Program Title | Federal Agency Highest Level | Direct or Pass Through | Pass Through Entity | Pass Through Identifier/Federal Award ID | Values | Sub-recipient Expenditures |
|----------------------------------|---------------------------|---|------------------------------|------------------------|---|--|-------------------------|----------------------------|
| | | | | | | | Sum of Federal Expenses | |
| Research and Development Cluster | 10.001 | Agricultural Research Basic and Applied Research | AGRICULTURE, DEPARTMENT OF | Direct | | 58-5020-0-013 | \$ (16) \$ | - |
| Research and Development Cluster | 10.001 Total | | | | | | \$ (16) \$ | - |
| Research and Development Cluster | 10.170 | Specialty Crop Block Grant Program - Farm Bill | AGRICULTURE, DEPARTMENT OF | Pass Through | INDIANA STATE DEPARTMENT OF AGRICULTURE | 0000000000000000000048435 | \$ 2,945 \$ | - |
| Research and Development Cluster | 10.170 Total | | | | | | \$ 2,945 \$ | - |
| Research and Development Cluster | 10.215 | Sustainable Agriculture Research and Education | AGRICULTURE, DEPARTMENT OF | Pass Through | UNIVERSITY OF MINNESOTA | H008917111 | \$ 89,731 \$ | 13,500 |
| Research and Development Cluster | 10.215 | Sustainable Agriculture Research and Education | AGRICULTURE, DEPARTMENT OF | Pass Through | UNIVERSITY OF MINNESOTA | H011114529 | \$ 40,559 \$ | - |
| Research and Development Cluster | 10.215 Total | | | | | | \$ 130,290 \$ | 13,500 |
| Research and Development Cluster | 10.219 | Biotechnology Risk Assessment Research | AGRICULTURE, DEPARTMENT OF | Direct | | 2019-33522-30064 | \$ 61,663 \$ | - |
| Research and Development Cluster | 10.219 Total | | | | | | \$ 61,663 \$ | - |
| Research and Development Cluster | 10.250 | Agricultural and Rural Economic Research, Cooperative Agreement | AGRICULTURE, DEPARTMENT OF | Pass Through | IOWA STATE UNIVERSITY | 024726A | \$ 13,918 \$ | - |
| Research and Development Cluster | 10.250 Total | | | | | | \$ 13,918 \$ | - |
| Research and Development Cluster | 10.310 | Agriculture and Food Research Initiative (AFRI) | AGRICULTURE, DEPARTMENT OF | Direct | | 2021-67013-33616 | \$ 229,340 \$ | 124,806 |
| Research and Development Cluster | 10.310 | Agriculture and Food Research Initiative (AFRI) | AGRICULTURE, DEPARTMENT OF | Direct | | 2021-67013-34260 | \$ 169,297 \$ | 78,539 |
| Research and Development Cluster | 10.310 | Agriculture and Food Research Initiative (AFRI) | AGRICULTURE, DEPARTMENT OF | Direct | | 2021-67034-35129 | \$ (1,212) \$ | - |
| Research and Development Cluster | 10.310 | Agriculture and Food Research Initiative (AFRI) | AGRICULTURE, DEPARTMENT OF | Direct | | 2021-68006-33892 | \$ 188,920 \$ | 75,961 |
| Research and Development Cluster | 10.310 | Agriculture and Food Research Initiative (AFRI) | AGRICULTURE, DEPARTMENT OF | Direct | | 2022-67011-36552 | \$ 48,477 \$ | - |
| Research and Development Cluster | 10.310 | Agriculture and Food Research Initiative (AFRI) | AGRICULTURE, DEPARTMENT OF | Direct | | 2022-67011-36577 | \$ 27,111 \$ | - |
| Research and Development Cluster | 10.310 | Agriculture and Food Research Initiative (AFRI) | AGRICULTURE, DEPARTMENT OF | Direct | | 2022-67013-38265 | \$ 173,057 \$ | - |
| Research and Development Cluster | 10.310 | Agriculture and Food Research Initiative (AFRI) | AGRICULTURE, DEPARTMENT OF | Direct | | 2023-67012-39483 | \$ 127,352 \$ | - |
| Research and Development Cluster | 10.310 | Agriculture and Food Research Initiative (AFRI) | AGRICULTURE, DEPARTMENT OF | Pass Through | MICHIGAN STATE UNIVERSITY | RC114850U | \$ 89,026 \$ | - |
| Research and Development Cluster | 10.310 | Agriculture and Food Research Initiative (AFRI) | AGRICULTURE, DEPARTMENT OF | Pass Through | UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN | 112330-19403 | \$ 52,748 \$ | - |
| Research and Development Cluster | 10.310 | Agriculture and Food Research Initiative (AFRI) | AGRICULTURE, DEPARTMENT OF | Pass Through | VIRGINIA POLYTECHNIC INSTITUTE & STATE UNIVERSITY | 423713-19525 | \$ 65,021 \$ | - |
| Research and Development Cluster | 10.310 | Agriculture and Food Research Initiative (AFRI) | AGRICULTURE, DEPARTMENT OF | Pass Through | TULANE UNIVERSITY | TUL-HSC-561769-23/24 | \$ 25,220 \$ | - |
| Research and Development Cluster | 10.310 Total | | | | | | \$ 1,220,771 \$ | 279,306 |
| Research and Development Cluster | 10.902 | Soil and Water Conservation | AGRICULTURE, DEPARTMENT OF | Direct | | NR203A750001C027 | \$ 95,644 \$ | - |
| Research and Development Cluster | 10.902 Total | | | | | | \$ 95,644 \$ | - |
| Research and Development Cluster | 10.937 | Partnerships for Climate-Smart Commodities | AGRICULTURE, DEPARTMENT OF | Pass Through | IOWA STATE UNIVERSITY | 154749 | \$ 12,026 \$ | - |
| Research and Development Cluster | 10.937 | Partnerships for Climate-Smart Commodities | AGRICULTURE, DEPARTMENT OF | Pass Through | FISCHER FARMS NATURAL FOODS, LLC | NR233A750004G034-Sub2 | \$ 32,445 \$ | - |
| Research and Development Cluster | 10.937 Total | | | | | | \$ 44,471 \$ | - |
| Research and Development Cluster | 11.303 | Economic Development Technical Assistance | COMMERCE, DEPARTMENT OF | Direct | | ED21CH3030035 | \$ 67,651 \$ | - |
| Research and Development Cluster | 11.303 Total | | | | | | \$ 67,651 \$ | - |
| Research and Development Cluster | 11.419 | Coastal Zone Management Administration Awards | COMMERCE, DEPARTMENT OF | Pass Through | INDIANA DEPARTMENT OF NATURAL RESOURCES | 0000000000000000000066259 | \$ 52,069 \$ | - |
| Research and Development Cluster | 11.419 Total | | | | | | \$ 52,069 \$ | - |
| Research and Development Cluster | 11.427 | Fisheries Development and Utilization Research and Development | COMMERCE, DEPARTMENT OF | Pass Through | NORTH CAROLINA STATE UNIVERSITY | 2022-1438-01 | \$ 30,094 \$ | - |
| Research and Development Cluster | 11.427 Total | | | | | | \$ 30,094 \$ | - |
| Research and Development Cluster | 11.431 | Climate and Atmospheric Research | COMMERCE, DEPARTMENT OF | Direct | | NA220AR4310479 | \$ 159,242 \$ | - |
| Research and Development Cluster | 11.431 | Climate and Atmospheric Research | COMMERCE, DEPARTMENT OF | Direct | | NA220AR4310482 | \$ 8,766 \$ | - |
| Research and Development Cluster | 11.431 Total | | | | | | \$ 168,008 \$ | - |
| Research and Development Cluster | 11.473 | Office for Coastal Management | COMMERCE, DEPARTMENT OF | Pass Through | DUNES LEARNING CENTER | CZ266 | \$ 1,194 \$ | - |
| Research and Development Cluster | 11.473 Total | | | | | | \$ 1,194 \$ | - |
| Research and Development Cluster | 11.609 | Measurement and Engineering Research and Standards | COMMERCE, DEPARTMENT OF | Direct | | 70NANB15H259 | \$ 44,055 \$ | - |
| Research and Development Cluster | 11.609 Total | | | | | | \$ 44,055 \$ | - |
| Research and Development Cluster | 12.006 | National Defense Education Program | DEPT OF DEFENSE | Direct | | HQ00342310013 | \$ 1,007,567 \$ | - |
| Research and Development Cluster | 12.006 Total | | | | | | \$ 1,007,567 \$ | - |
| Research and Development Cluster | 12.300 | Basic and Applied Scientific Research | DEPT OF DEFENSE | Direct | | N00014-19-1-2655 | \$ 109,349 \$ | - |
| Research and Development Cluster | 12.300 | Basic and Applied Scientific Research | DEPT OF DEFENSE | Direct | | N00014-20-1-2411 | \$ 90,897 \$ | - |
| Research and Development Cluster | 12.300 | Basic and Applied Scientific Research | DEPT OF DEFENSE | Direct | | N00014-20-1-2593 | \$ 170,996 \$ | 20,593 |
| Research and Development Cluster | 12.300 | Basic and Applied Scientific Research | DEPT OF DEFENSE | Direct | | N00014-20-1-2878 | \$ 87,207 \$ | - |
| Research and Development Cluster | 12.300 | Basic and Applied Scientific Research | DEPT OF DEFENSE | Direct | | N00014-21-1-2276 | \$ 153,780 \$ | 65,876 |
| Research and Development Cluster | 12.300 | Basic and Applied Scientific Research | DEPT OF DEFENSE | Direct | | N00014-21-1-2630 | \$ 246,367 \$ | 120,670 |
| Research and Development Cluster | 12.300 | Basic and Applied Scientific Research | DEPT OF DEFENSE | Direct | | N00014-21-1-2799 | \$ 168,375 \$ | - |
| Research and Development Cluster | 12.300 | Basic and Applied Scientific Research | DEPT OF DEFENSE | Direct | | N00014-22-1-2675 | \$ 88,223 \$ | - |
| Research and Development Cluster | 12.300 | Basic and Applied Scientific Research | DEPT OF DEFENSE | Direct | | N000142312097/N00014-23-1-2097 | \$ 113,851 \$ | - |
| Research and Development Cluster | 12.300 | Basic and Applied Scientific Research | DEPT OF DEFENSE | Direct | | N00014-23-1-2464 | \$ 191,372 \$ | 6,924 |
| Research and Development Cluster | 12.300 | Basic and Applied Scientific Research | DEPT OF DEFENSE | Direct | | N00014-23-1-2891 | \$ 33,276 \$ | 1,713 |
| Research and Development Cluster | 12.300 | Basic and Applied Scientific Research | DEPT OF DEFENSE | Direct | | N00014212302 | \$ 27,344 \$ | - |
| Research and Development Cluster | 12.300 | Basic and Applied Scientific Research | DEPT OF DEFENSE | Direct | | N00164-22-1-1001 | \$ (15,891) \$ | - |
| Research and Development Cluster | 12.300 | Basic and Applied Scientific Research | DEPT OF DEFENSE | Direct | | N00164-22-1-1002 | \$ (23,374) \$ | - |
| Research and Development Cluster | 12.300 | Basic and Applied Scientific Research | DEPT OF DEFENSE | Direct | | N00164-24-1-1001 | \$ 82,683 \$ | - |
| Research and Development Cluster | 12.300 | Basic and Applied Scientific Research | DEPT OF DEFENSE | Direct | | N00174-22-1-0025 | \$ 124,948 \$ | - |
| Research and Development Cluster | 12.300 Total | | | Pass Through | TRINE UNIVERSITY | N00014-23-1-2661 | \$ 1,580 \$ | - |
| Research and Development Cluster | 12.330 | Science, Technology, Engineering & Mathematics (STEM) Education | DEPT OF DEFENSE | Direct | | N00014-21-1-2691 | \$ 1,660,983 \$ | 215,776 |
| Research and Development Cluster | 12.330 Total | | | | | | \$ 199,870 \$ | - |
| Research and Development Cluster | 12.351 | Scientific Research - Combating Weapons of Mass Destruction | DEPT OF DEFENSE | Pass Through | PENNSYLVANIA STATE UNIVERSITY | S005010-DTRA | \$ 137,498 \$ | - |
| Research and Development Cluster | 12.351 Total | | | Pass Through | IOWA STATE UNIVERSITY | 024150A | \$ 66,270 \$ | - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | HT94252310009 | \$ 203,768 \$ | - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | HT94252310081 | \$ 102,552 \$ | - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | HT9425-23-1-0143 | \$ 72,941 \$ | - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | HT94252310213 | \$ 202,354 \$ | - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | HT94252310273 | \$ 415,377 \$ | - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | HT94252310273 | \$ 51,484 \$ | - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | HT94252310296 | \$ 1,161,958 \$ | 235,420 |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | HT94252310309 | \$ 27,812 \$ | - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | HT9425-23-1-0322 | \$ 356,349 \$ | - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | HT94252310371 | \$ 165,989 \$ | - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | HT94252310401 | \$ 686,360 \$ | 322,428 |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | HT9425-23-1-0509 | \$ 156,858 \$ | - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | HT9425-23-1-0605 | \$ 78,075 \$ | - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | HT94252310700 | \$ 217,174 \$ | - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | HT94252310928 | \$ 70,970 \$ | 9,321 |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | HT9425-23-1-1022 | \$ 58,210 \$ | - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | HT9425-23-1-1023 | \$ 49,104 \$ | - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | HT94252410209 | \$ 66,336 \$ | - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | HT94252410525 | \$ 23,434 \$ | - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | W81XWH1810433 | \$ 39,468 \$ | - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | W81XWH-18-1-0796 | \$ 344,647 \$ | 51,607 |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | W81XWH1910008 | \$ 183,807 \$ | 6,723 |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | W81XWH1910543 | \$ 5,048 \$ | - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | W81XWH1910573 | \$ 433,929 \$ | - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | W81XWH1910774 | \$ 28,191 \$ | - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | W81XWH-20-1-0201 | \$ 117,924 \$ | 5,451 |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | W81XWH-20-1-0204 | \$ 237,368 \$ | - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | W81XWH2010577 | \$ 585,366 \$ | - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | W81XWH-20-1-0717 | \$ 29,535 \$ | - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | W81XWH2010880 | \$ 95,090 \$ | - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | W81XWH2020010 | \$ 554,622 \$ | - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | W81XWH2110047 | \$ 11,432 \$ | - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | W81XWH-21-1-0097 | \$ 11 \$ | - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | W81XWH2110135 | \$ 75,954 \$ | - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | W81XWH-21-1-0281 | \$ 98,953 \$ | 62,688 |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | W81XWH2110284 | \$ 309,668 \$ | - |

| Cluster | Assistance Listing Number | ALN Program Title | Federal Agency Highest Level | Direct or Pass Through | Pass Through Entity | Pass Through Identifier/Federal Award ID | Sum of Federal Expenses | Sub-recipient Expenditures |
|----------------------------------|---------------------------|--|--|------------------------|---|--|-------------------------|----------------------------|
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | W81XWH2110459 | \$ 65,345 | \$ 49,133 |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | W81XWH2110529 | \$ 287,828 | \$ - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | W81XWH-21-1-0534 | \$ 173,312 | \$ - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | W81XWH2120030 | \$ 44,776 | \$ 26,439 |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | W81XWH-21-2-0038 | \$ 421,678 | \$ 145,136 |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | W81XWH2210137 | \$ 125,344 | \$ 20,020 |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | W81XWH-22-1-0274 | \$ 89,215 | \$ - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | W81XWH2210390 | \$ 200,844 | \$ - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | W81XWH2210615 | \$ 599,974 | \$ - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | W81XWH2210719 | \$ 203,982 | \$ - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | W81XWH2210864 | \$ 176,515 | \$ - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Direct | | W81XWH-22-2-0064 | \$ 228,396 | \$ 34,221 |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Pass Through | JOHNS HOPKINS UNIVERSITY | 2003402057/W81XWH-16-2-0060 | \$ (44,730) | \$ - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Pass Through | JOHNS HOPKINS UNIVERSITY | 2004368677 | \$ 6,479 | \$ - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Pass Through | JOHNS HOPKINS UNIVERSITY | 2004769267 | \$ 2,825 | \$ - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Pass Through | JOHNS HOPKINS UNIVERSITY | 2005236080 | \$ 189 | \$ - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Pass Through | JOHNS HOPKINS UNIVERSITY | 2005322981 | \$ 2,886 | \$ - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Pass Through | MEDICAL COLLEGE OF WISCONSIN | W81XWH2110890 | \$ 164,340 | \$ - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Pass Through | PURDUE UNIVERSITY | 13000926-012 | \$ 67,204 | \$ - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Pass Through | PURDUE UNIVERSITY | 13001156-012 | \$ 393 | \$ - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Pass Through | PURDUE UNIVERSITY | 13001172-022*13001172-057 | \$ 13,455 | \$ - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Pass Through | UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN | 106116-18663 | \$ 50,286 | \$ - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Pass Through | UNIVERSITY OF IOWA | S01181-01 | \$ 7,342 | \$ - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Pass Through | UNIVERSITY OF MARYLAND | 1802254 | \$ 39,339 | \$ - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Pass Through | UNIVERSITY OF NOTRE DAME | 203994IUSM | \$ 5,772 | \$ - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Pass Through | UNIVERSITY OF NOTRE DAME | 203995IUSM | \$ 2,871 | \$ - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Pass Through | UNIVERSITY OF PENNSYLVANIA | S88496 | \$ 7,458 | \$ - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Pass Through | UNIVERSITY OF PITTSBURGH | 0058882 (414567-1) | \$ 11,017 | \$ - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Pass Through | UNIVERSITY OF PITTSBURGH | AWD00004241 (417895-1) | \$ 15,271 | \$ - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Pass Through | UNIVERSITY OF ARKANSAS FOR MEDICAL SCIENCES | FP 54998 | \$ 36,417 | \$ - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Pass Through | BETH ISRAEL DEACONESS MEDICAL CENTER | 01063986 | \$ 6,641 | \$ - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Pass Through | KESSLER FOUNDATION | 40616-06 | \$ 11,748 | \$ - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Pass Through | INDIANA BIOSCIENCES RESEARCH INSTITUTE | R200015 | \$ 5,734 | \$ - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Pass Through | UNIVERSITY OF KANSAS CENTER FOR RESEARCH | FY2024-079 | \$ 3,011 | \$ - |
| Research and Development Cluster | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Pass Through | DANA FARBER CANCER INSTITUTE | 3094201 | \$ 16,622 | \$ - |
| Research and Development Cluster | 12.420 Total | | | | | | \$ 10,163,129 | \$ 968,587 |
| Research and Development Cluster | 12.431 | Basic Scientific Research | DEPT OF DEFENSE | Direct | | W911NF-14-1-0411 | \$ (13,854) | \$ - |
| Research and Development Cluster | 12.431 | Basic Scientific Research | DEPT OF DEFENSE | Direct | | W911NF-20-1-0072 | \$ 16,917 | \$ - |
| Research and Development Cluster | 12.431 | Basic Scientific Research | DEPT OF DEFENSE | Direct | | W911NF2110194 | \$ 170,124 | \$ - |
| Research and Development Cluster | 12.431 | Basic Scientific Research | DEPT OF DEFENSE | Direct | | W911NF-22-1-0014 | \$ 78,778 | \$ - |
| Research and Development Cluster | 12.431 | Basic Scientific Research | DEPT OF DEFENSE | Direct | | W911NF2210069 | \$ 146,240 | \$ - |
| Research and Development Cluster | 12.431 | Basic Scientific Research | DEPT OF DEFENSE | Direct | | W911NF-22-1-0118 | \$ 176,610 | \$ - |
| Research and Development Cluster | 12.431 | Basic Scientific Research | DEPT OF DEFENSE | Direct | | W911NF-23-1-0054 | \$ 244,120 | \$ - |
| Research and Development Cluster | 12.431 | Basic Scientific Research | DEPT OF DEFENSE | Pass Through | NORTHWESTERN UNIVERSITY | SP0046873-PROJ0014746 | \$ 51,549 | \$ - |
| Research and Development Cluster | 12.431 | Basic Scientific Research | DEPT OF DEFENSE | Pass Through | WAYNE STATE UNIVERSITY | WSU23108 | \$ 77,951 | \$ - |
| Research and Development Cluster | 12.431 | Basic Scientific Research | DEPT OF DEFENSE | Pass Through | PERATON LABS, INC. | PO-0021546 | \$ 574,871 | \$ - |
| Research and Development Cluster | 12.431 Total | | | | | | \$ 1,523,306 | \$ - |
| Research and Development Cluster | 12.630 | Basic, Applied, and Advanced Research in Science and Engineering | DEPT OF DEFENSE | Direct | | W911NF2220018 | \$ 171,397 | \$ - |
| Research and Development Cluster | 12.630 | Basic, Applied, and Advanced Research in Science and Engineering | DEPT OF DEFENSE | Pass Through | TEXAS A&M UNIVERSITY | M2303647 | \$ 102,666 | \$ - |
| Research and Development Cluster | 12.630 Total | | | | | | \$ 274,063 | \$ - |
| Research and Development Cluster | 12.750 | Uniformed Services University Medical Research Projects | DEPT OF DEFENSE | Pass Through | HENRY M JACKSON FOUNDATION | 5911 | \$ 865,638 | \$ 358,962 |
| Research and Development Cluster | 12.750 Total | | | | | | \$ 865,638 | \$ 358,962 |
| Research and Development Cluster | 12.800 | Air Force Defense Research Sciences Program | DEPT OF DEFENSE | Direct | | FA9550-19-1-0391 | \$ 774,877 | \$ 122,059 |
| Research and Development Cluster | 12.800 | Air Force Defense Research Sciences Program | DEPT OF DEFENSE | Direct | | FA9550-21-1-0446 | \$ 150,460 | \$ - |
| Research and Development Cluster | 12.800 | Air Force Defense Research Sciences Program | DEPT OF DEFENSE | Pass Through | NORTHWESTERN UNIVERSITY | 6050140 IND | \$ 65,517 | \$ - |
| Research and Development Cluster | 12.800 | Air Force Defense Research Sciences Program | DEPT OF DEFENSE | Pass Through | UNIVERSITY OF COLORADO BOULDER | 1565281 | \$ 37,193 | \$ - |
| Research and Development Cluster | 12.800 | Air Force Defense Research Sciences Program | DEPT OF DEFENSE | Pass Through | STRATEGIC OHIO COUNCIL FOR HIGHER EDUCATION | RIYU1P1-23-2-AFRL2 | \$ 31,935 | \$ - |
| Research and Development Cluster | 12.800 Total | | | | | | \$ 1,059,982 | \$ 122,059 |
| Research and Development Cluster | 12.901 | Mathematical Sciences Grants | DEPT OF DEFENSE | Direct | | H98230-23-1-0017 | \$ 52,134 | \$ - |
| Research and Development Cluster | 12.901 | Mathematical Sciences Grants | DEPT OF DEFENSE | Direct | | H98230-24-1-0040 | \$ 41,498 | \$ - |
| Research and Development Cluster | 12.901 Total | | | | | | \$ 93,632 | \$ - |
| Research and Development Cluster | 12.910 | Research and Technology Development | DEPT OF DEFENSE | Pass Through | WISTAR INSTITUTE | 36000-01-374-IU | \$ (49,594) | \$ - |
| Research and Development Cluster | 12.910 Total | | | | | | \$ (49,594) | \$ - |
| Research and Development Cluster | 12.RD | US Department of Defense | DEPT OF DEFENSE | Direct | | H8230-22-1-0010 | \$ (425) | \$ - |
| Research and Development Cluster | 12.RD | US Department of Defense | DEPT OF DEFENSE | Direct | | N62452202016 | \$ 6,693 | \$ - |
| Research and Development Cluster | 12.RD | US Department of Defense | DEPT OF DEFENSE | Direct | | W911NF22C0084 | \$ 1,658,588 | \$ 552,362 |
| Research and Development Cluster | 12.RD | US Department of Defense | DEPT OF DEFENSE | Pass Through | PURDUE UNIVERSITY | 13000844-031 | \$ 125,665 | \$ - |
| Research and Development Cluster | 12.RD | US Department of Defense | DEPT OF DEFENSE | Pass Through | PURDUE UNIVERSITY | 13001218-071 | \$ 2,623,530 | \$ - |
| Research and Development Cluster | 12.RD | US Department of Defense | DEPT OF DEFENSE | Pass Through | PURDUE UNIVERSITY | 13001218-119 | \$ 79,496 | \$ - |
| Research and Development Cluster | 12.RD | US Department of Defense | DEPT OF DEFENSE | Pass Through | PURDUE UNIVERSITY | 13001218-122 | \$ 15,106 | \$ - |
| Research and Development Cluster | 12.RD | US Department of Defense | DEPT OF DEFENSE | Pass Through | UNIVERSITY OF SOUTHERN CALIFORNIA | SCON-00002488 | \$ 342,724 | \$ - |
| Research and Development Cluster | 12.RD | US Department of Defense | DEPT OF DEFENSE | Pass Through | UNIVERSITY OF SOUTHERN CALIFORNIA | SCON-00002495 | \$ 104,370 | \$ - |
| Research and Development Cluster | 12.RD | US Department of Defense | DEPT OF DEFENSE | Pass Through | EXCET, INC. | | \$ 130,973 | \$ - |
| Research and Development Cluster | 12.RD | US Department of Defense | DEPT OF DEFENSE | Pass Through | EXCET, INC. | 11283 | \$ 37,143 | \$ - |
| Research and Development Cluster | 12.RD | US Department of Defense | DEPT OF DEFENSE | Pass Through | ADVANCED SCIENCE AND AUTOMATION CORP | | \$ 197,488 | \$ - |
| Research and Development Cluster | 12.RD | US Department of Defense | DEPT OF DEFENSE | Pass Through | MEDICAL TECHNOLOGY ENTERPRISE CONSORTIUM | 2021-425 (002) | \$ 4,356,896 | \$ 3,299,271 |
| Research and Development Cluster | 12.RD | US Department of Defense | DEPT OF DEFENSE | Pass Through | QUICKLOGIC CORPORATION | | \$ 89,852 | \$ - |
| Research and Development Cluster | 12.RD | US Department of Defense | DEPT OF DEFENSE | Pass Through | CACI INTERNATIONAL, INC. | W15P77-19-D-0157 | \$ 51,717 | \$ - |
| Research and Development Cluster | 12.RD Total | | | | | | \$ 9,810,816 | \$ 3,851,633 |
| Research and Development Cluster | 14.902 | Lead Technical Studies Grants | HOUSING AND URBAN DEVELOPMENT, DEPARTMENT OF | Direct | | INLT50020-20 | \$ 112,218 | \$ 71,382 |
| Research and Development Cluster | 14.902 Total | | | | | | \$ 112,218 | \$ 71,382 |
| Research and Development Cluster | 14.906 | Healthy Homes Technical Studies Grants | HOUSING AND URBAN DEVELOPMENT, DEPARTMENT OF | Pass Through | UNIVERSITY OF NOTRE DAME | 204070IU | \$ 10,175 | \$ - |
| Research and Development Cluster | 14.906 Total | | | | | | \$ 10,175 | \$ - |
| Research and Development Cluster | 15.225 | Recreation and Visitor Services | INTERIOR, DEPARTMENT OF THE | Direct | | L22AC00171 | \$ 64,768 | \$ - |
| Research and Development Cluster | 15.225 Total | | | | | | \$ 64,768 | \$ - |
| Research and Development Cluster | 15.662 | Great Lakes Restoration | INTERIOR, DEPARTMENT OF THE | Direct | | F21AC02113-00 | \$ (10) | \$ - |
| Research and Development Cluster | 15.662 | Great Lakes Restoration | INTERIOR, DEPARTMENT OF THE | Direct | | F23AC02272-00 | \$ 176,965 | \$ - |
| Research and Development Cluster | 15.662 Total | | | | | | \$ 176,955 | \$ - |
| Research and Development Cluster | 15.805 | Assistance to State Water Resources Research Institutes | INTERIOR, DEPARTMENT OF THE | Pass Through | PURDUE UNIVERSITY | 15200101-027 | \$ 12,762 | \$ - |
| Research and Development Cluster | 15.805 | Assistance to State Water Resources Research Institutes | INTERIOR, DEPARTMENT OF THE | Pass Through | PURDUE UNIVERSITY | 15200101-038 | \$ 22,167 | \$ - |
| Research and Development Cluster | 15.805 Total | | | | | | \$ 34,929 | \$ - |
| Research and Development Cluster | 15.807 | Earthquake Hazards Program Assistance | INTERIOR, DEPARTMENT OF THE | Direct | | G22AP00263 | \$ 33,704 | \$ - |
| Research and Development Cluster | 15.807 Total | | | | | | \$ 33,704 | \$ - |
| Research and Development Cluster | 15.808 | U.S. Geological Survey Research and Data Collection | INTERIOR, DEPARTMENT OF THE | Direct | | G20AP00005 | \$ 75,004 | \$ - |
| Research and Development Cluster | 15.808 | U.S. Geological Survey Research and Data Collection | INTERIOR, DEPARTMENT OF THE | Direct | | G22AC00550 | \$ 5,444 | \$ - |
| Research and Development Cluster | 15.808 | U.S. Geological Survey Research and Data Collection | INTERIOR, DEPARTMENT OF THE | Direct | | G24AC00005-0 | \$ 1,719 | \$ - |
| Research and Development Cluster | 15.808 Total | | | | | | \$ 82,167 | \$ - |
| Research and Development Cluster | 15.810 | National Cooperative Geologic Mapping | INTERIOR, DEPARTMENT OF THE | Direct | | G22AC00424-00 | \$ 180,856 | \$ - |
| Research and Development Cluster | 15.810 Total | | | | | | \$ 180,856 | \$ - |
| Research and Development Cluster | 15.814 | National Geological and Geophysical Data Preservation | INTERIOR, DEPARTMENT OF THE | Direct | | G23AP00359 | \$ 29,663 | \$ - |
| Research and Development Cluster | 15.814 Total | | | | | | \$ 29,663 | \$ - |
| Research and Development Cluster | 15.820 | National and Regional Climate Adaptation Science Centers | INTERIOR, DEPARTMENT OF THE | Direct | | G23AC00496 | \$ 93,150 | \$ - |
| Research and Development Cluster | 15.820 | National and Regional Climate Adaptation Science Centers | INTERIOR, DEPARTMENT OF THE | Pass Through | UNIVERSITY OF MINNESOTA | P009481406 | \$ 17,076 | \$ - |
| Research and Development Cluster | 15.820 | National and Regional Climate Adaptation Science Centers | INTERIOR, DEPARTMENT OF THE | Pass Through | UNIVERSITY OF MINNESOTA | P010303601 | \$ 122,533 | \$ - |
| Research and Development Cluster | 15.820 Total | | | | | | \$ 232,759 | \$ - |

| Cluster | Assistance Listing Number | ALN Program Title | Federal Agency Highest Level | Direct or Pass Through | Pass Through Entity | Pass Through Identifier/Federal Award ID | Sum of Federal Expenses | Sub-recipient Expenditures |
|----------------------------------|---------------------------|---|---|------------------------|---|--|-------------------------|----------------------------|
| Research and Development Cluster | 16.044 | Forensics Training and Technical Assistance Program | JUSTICE, DEPARTMENT OF | Direct | | 15PNJ1-23-GG-04227-SLFO | \$ 86,778 | \$ - |
| Research and Development Cluster | 16.044 Total | | | | | | \$ 86,778 | \$ - |
| Research and Development Cluster | 16.560 | National Institute of Justice Research, Evaluation, and Development | JUSTICE, DEPARTMENT OF | Direct | | 15PNJ1-21-GG-02709-RESS | \$ 411,509 | \$ 214,108 |
| Research and Development Cluster | 16.560 | National Institute of Justice Research, Evaluation, and Development | JUSTICE, DEPARTMENT OF | Pass Through | MICHIGAN STATE UNIVERSITY | RC114135-LUPIJ | \$ 71,856 | \$ - |
| Research and Development Cluster | 16.560 | National Institute of Justice Research, Evaluation, and Development | JUSTICE, DEPARTMENT OF | Pass Through | REHABILITATION HOSPITAL OF INDIANA | 166447 | \$ 163,062 | \$ - |
| Research and Development Cluster | 16.560 Total | | | | | | \$ 646,427 | \$ 214,108 |
| Research and Development Cluster | 16.582 | Crime Victim Assistance/Discretionary Grants | JUSTICE, DEPARTMENT OF | Pass Through | INDIANA DEPARTMENT OF HEALTH | 00000000000000000000041061 | \$ 57,341 | \$ 16,986 |
| Research and Development Cluster | 16.582 Total | | | | | | \$ 57,341 | \$ 16,986 |
| Research and Development Cluster | 16.738 | Edward Byrne Memorial Justice Assistance Grant Program | JUSTICE, DEPARTMENT OF | Pass Through | CITY OF BOULDER | 20220901 - 9393 | \$ 4,033 | \$ - |
| Research and Development Cluster | 16.738 Total | | | | | | \$ 4,033 | \$ - |
| Research and Development Cluster | 16.812 | Second Chance Act Reentry Initiative | JUSTICE, DEPARTMENT OF | Pass Through | CITY OF INDIANAPOLIS | 2019-CZ-BX-0035 | \$ 49,183 | \$ - |
| Research and Development Cluster | 16.812 Total | | | | | | \$ 49,183 | \$ - |
| Research and Development Cluster | 17.261 | Workforce Data Quality Initiative (WDQI) | LABOR, DEPARTMENT OF | Pass Through | INDIANA DEPARTMENT OF WORKFORCE DEVELOPMENT | 00000000000000000000061150 | \$ 195,247 | \$ - |
| Research and Development Cluster | 17.261 Total | | | | | | \$ 195,247 | \$ - |
| Research and Development Cluster | 19.040 | Public Diplomacy Programs | STATE, DEPARTMENT OF | Pass Through | HANYANG UNIVERSITY | S-KS700-21-CA-3036 | \$ 874 | \$ - |
| Research and Development Cluster | 19.040 Total | | | | | | \$ 874 | \$ - |
| Research and Development Cluster | 19.501 | Public Diplomacy Programs for Afghanistan and Pakistan | STATE, DEPARTMENT OF | Direct | | SPK33023CA0032 | \$ 30,680 | \$ - |
| Research and Development Cluster | 19.501 Total | | | | | | \$ 30,680 | \$ - |
| Research and Development Cluster | 19.900 | AEECA/ESF PD Programs | STATE, DEPARTMENT OF | Direct | | SRB10021GR3038 | \$ 5,826 | \$ - |
| Research and Development Cluster | 19.900 Total | | | | | | \$ 5,826 | \$ - |
| Research and Development Cluster | 20.200 | Highway Research and Development Program | TRANSPORTATION, DEPARTMENT OF | Pass Through | PURDUE UNIVERSITY | 21000366-127 | \$ 28,149 | \$ - |
| Research and Development Cluster | 20.200 | Highway Research and Development Program | TRANSPORTATION, DEPARTMENT OF | Pass Through | PURDUE UNIVERSITY | 21000386-136 | \$ 75,454 | \$ - |
| Research and Development Cluster | 20.200 | Highway Research and Development Program | TRANSPORTATION, DEPARTMENT OF | Pass Through | PURDUE UNIVERSITY | 21000416-149 | \$ 70,586 | \$ - |
| Research and Development Cluster | 20.200 | Highway Research and Development Program | TRANSPORTATION, DEPARTMENT OF | Pass Through | PURDUE UNIVERSITY | 21000431-156 | \$ 2,980 | \$ - |
| Research and Development Cluster | 20.200 Total | | | | | | \$ 177,169 | \$ - |
| Research and Development Cluster | 21.027 | COVID-19 CORONAVIRUS STATE AND LOCAL FISCAL RECOVERY | TREASURY, DEPARTMENT OF THE | Pass Through | INDIANAPOLIS METROPOLITAN POLICE DEPARTMENT | Covid-19, 21, 027 | \$ 28,019 | \$ - |
| Research and Development Cluster | 21.027 | COVID-19 CORONAVIRUS STATE AND LOCAL FISCAL RECOVERY | TREASURY, DEPARTMENT OF THE | Pass Through | UNITED WAY OF CENTRAL INDIANA | Covid-19, 21, 027 | \$ 39,660 | \$ 27,441 |
| Research and Development Cluster | 21.027 | COVID-19 CORONAVIRUS STATE AND LOCAL FISCAL RECOVERY | TREASURY, DEPARTMENT OF THE | Pass Through | INDIANA UNIVERSITY HEALTH | Covid-19, 21, 027 | \$ 249,776 | \$ - |
| Research and Development Cluster | 21.027 Total | | | | | | \$ 317,455 | \$ 27,441 |
| Research and Development Cluster | 39.RD | General Services Administration | GENERAL SERVICES ADMINISTRATION | Pass Through | TATITLEK TECHNOLOGIES, INC. | 22-TTI-SC-1805 | \$ 72,539 | \$ - |
| Research and Development Cluster | 39.RD Total | | | | | | \$ 72,539 | \$ - |
| Research and Development Cluster | 42.010 | Teaching with Primary Sources | LIBRARY OF CONGRESS | Direct | | GA21C0099 | \$ 55,656 | \$ - |
| Research and Development Cluster | 42.010 | Teaching with Primary Sources | LIBRARY OF CONGRESS | Direct | | GA24C0005 | \$ 38,647 | \$ - |
| Research and Development Cluster | 42.010 Total | | | | | | \$ 94,303 | \$ - |
| Research and Development Cluster | 42.RD | Library of Congress | LIBRARY OF CONGRESS | Direct | | GA16C0013 | \$ 6,363 | \$ - |
| Research and Development Cluster | 42.RD Total | | | | | | \$ 6,363 | \$ - |
| Research and Development Cluster | 43.001 | Science | NATIONAL AERONAUTICS AND SPACE ADMINISTRATION | Direct | | 80NSSC20K0440 | \$ 47,672 | \$ - |
| Research and Development Cluster | 43.001 | Science | NATIONAL AERONAUTICS AND SPACE ADMINISTRATION | Direct | | 80NSSC20K0618 | \$ 166,866 | \$ - |
| Research and Development Cluster | 43.001 | Science | NATIONAL AERONAUTICS AND SPACE ADMINISTRATION | Direct | | 80NSSC21K1598 | \$ (2,709) | \$ - |
| Research and Development Cluster | 43.001 | Science | NATIONAL AERONAUTICS AND SPACE ADMINISTRATION | Direct | | 80NSSC21K1598 | \$ 3,374 | \$ - |
| Research and Development Cluster | 43.001 | Science | NATIONAL AERONAUTICS AND SPACE ADMINISTRATION | Direct | | 80NSSC21K1609 | \$ 40,104 | \$ - |
| Research and Development Cluster | 43.001 | Science | NATIONAL AERONAUTICS AND SPACE ADMINISTRATION | Direct | | 80NSSC23K0598 | \$ 7,007 | \$ - |
| Research and Development Cluster | 43.001 | Science | NATIONAL AERONAUTICS AND SPACE ADMINISTRATION | Direct | | 80NSSC23K1254 | \$ 74,014 | \$ - |
| Research and Development Cluster | 43.001 | Science | NATIONAL AERONAUTICS AND SPACE ADMINISTRATION | Direct | | 80NSSC24K0153 | \$ 24,986 | \$ - |
| Research and Development Cluster | 43.001 | Science | NATIONAL AERONAUTICS AND SPACE ADMINISTRATION | Direct | | G09-200828 | \$ 692 | \$ - |
| Research and Development Cluster | 43.001 | Science | NATIONAL AERONAUTICS AND SPACE ADMINISTRATION | Pass Through | SPACE TELESCOPE SCIENCE INSTITUTE | HST-AR-17564.001-A | \$ 17,532 | \$ - |
| Research and Development Cluster | 43.001 | Science | NATIONAL AERONAUTICS AND SPACE ADMINISTRATION | Pass Through | SPACE TELESCOPE SCIENCE INSTITUTE | HST-GO-16283.004-A | \$ 5,832 | \$ - |
| Research and Development Cluster | 43.001 | Science | NATIONAL AERONAUTICS AND SPACE ADMINISTRATION | Pass Through | UNIVERSITY OF CALIFORNIA, LOS ANGELES | 2090 G WA775 | \$ 26,215 | \$ - |
| Research and Development Cluster | 43.001 | Science | NATIONAL AERONAUTICS AND SPACE ADMINISTRATION | Pass Through | UNIVERSITY OF CHICAGO | AWD101560 (SUB00000386) | \$ 46,093 | \$ - |
| Research and Development Cluster | 43.001 | Science | NATIONAL AERONAUTICS AND SPACE ADMINISTRATION | Pass Through | UNIVERSITY OF CHICAGO | SUB00000903 | \$ 105,868 | \$ - |
| Research and Development Cluster | 43.001 | Science | NATIONAL AERONAUTICS AND SPACE ADMINISTRATION | Pass Through | UNIVERSITY OF IOWA | S02068-01 | \$ 24,514 | \$ - |
| Research and Development Cluster | 43.001 | Science | NATIONAL AERONAUTICS AND SPACE ADMINISTRATION | Pass Through | UNIVERSITY OF MIAMI | OS00001216 | \$ 47,909 | \$ - |
| Research and Development Cluster | 43.001 | Science | NATIONAL AERONAUTICS AND SPACE ADMINISTRATION | Pass Through | UNIVERSITY OF WISCONSIN | 223405572 | \$ 34,753 | \$ - |
| Research and Development Cluster | 43.001 | Science | NATIONAL AERONAUTICS AND SPACE ADMINISTRATION | Pass Through | UNIVERSITY OF ALABAMA HUNTSVILLE | 2022-1467 | \$ 39,993 | \$ - |
| Research and Development Cluster | 43.001 | Science | NATIONAL AERONAUTICS AND SPACE ADMINISTRATION | Pass Through | UNIVERSITY OF ALABAMA HUNTSVILLE | 2022-1486 | \$ (4) | \$ - |
| Research and Development Cluster | 43.001 | Science | NATIONAL AERONAUTICS AND SPACE ADMINISTRATION | Pass Through | SOUTHWEST RESEARCH INSTITUTE | Q99076LJ | \$ 13,712 | \$ - |
| Research and Development Cluster | 43.001 Total | | | | | | \$ 724,423 | \$ - |
| Research and Development Cluster | 43.007 | Space Operations | NATIONAL AERONAUTICS AND SPACE ADMINISTRATION | Direct | | NNX15AL13G | \$ 47,188 | \$ - |
| Research and Development Cluster | 43.007 Total | | | | | | \$ 47,188 | \$ - |
| Research and Development Cluster | 43.008 | Office of Stem Engagement (OSTEM) | NATIONAL AERONAUTICS AND SPACE ADMINISTRATION | Pass Through | PURDUE UNIVERSITY | 12000338-409 | \$ 15,000 | \$ - |
| Research and Development Cluster | 43.008 Total | | | | | | \$ 15,000 | \$ - |
| Research and Development Cluster | 43.RD | NASA | NATIONAL AERONAUTICS AND SPACE ADMINISTRATION | Pass Through | MALIN SPACE SCIENCE SYSTEMS | 12-0230^M1 | \$ 61,874 | \$ - |
| Research and Development Cluster | 43.RD | NASA | NATIONAL AERONAUTICS AND SPACE ADMINISTRATION | Pass Through | SPACE TELESCOPE SCIENCE INSTITUTE | HST-AR-16157.001-A | \$ 90,407 | \$ - |
| Research and Development Cluster | 43.RD | NASA | NATIONAL AERONAUTICS AND SPACE ADMINISTRATION | Pass Through | SPACE TELESCOPE SCIENCE INSTITUTE | HST-GO-15857.007-A | \$ 15,019 | \$ - |
| Research and Development Cluster | 43.RD | NASA | NATIONAL AERONAUTICS AND SPACE ADMINISTRATION | Pass Through | SPACE TELESCOPE SCIENCE INSTITUTE | HST-GO-15914.002-A | \$ (15,238) | \$ - |
| Research and Development Cluster | 43.RD | NASA | NATIONAL AERONAUTICS AND SPACE ADMINISTRATION | Pass Through | SPACE TELESCOPE SCIENCE INSTITUTE | HST-GO-16247.002-A | \$ 4,337 | \$ - |
| Research and Development Cluster | 43.RD | NASA | NATIONAL AERONAUTICS AND SPACE ADMINISTRATION | Pass Through | SPACE TELESCOPE SCIENCE INSTITUTE | HST-GO-16289.002-A | \$ 16,479 | \$ - |
| Research and Development Cluster | 43.RD | NASA | NATIONAL AERONAUTICS AND SPACE ADMINISTRATION | Pass Through | SPACE TELESCOPE SCIENCE INSTITUTE | HST-GO-16361.002-A | \$ 7,359 | \$ - |
| Research and Development Cluster | 43.RD | NASA | NATIONAL AERONAUTICS AND SPACE ADMINISTRATION | Pass Through | VANDERBILT UNIVERSITY | OSA00000339 | \$ 18,460 | \$ - |
| Research and Development Cluster | 43.RD Total | | | | | | \$ 239,697 | \$ - |
| Research and Development Cluster | 45.024 | Promotion of the Arts Grants to Organizations and Individuals | NATIONAL ENDOWMENT FOR THE ARTS | Direct | | 1905727-38-22 | \$ 136,277 | \$ - |
| Research and Development Cluster | 45.024 Total | | | | | | \$ 136,277 | \$ - |
| Research and Development Cluster | 45.161 | Promotion of the Humanities Research | NATIONAL ENDOWMENT FOR THE HUMANITIES | Direct | | RQ-271143-20 | \$ 147,983 | \$ - |
| Research and Development Cluster | 45.161 Total | | | | | | \$ 147,983 | \$ - |
| Research and Development Cluster | 45.164 | Promotion of the Humanities Public Programs | NATIONAL ENDOWMENT FOR THE HUMANITIES | Direct | | GA-281059-21 | \$ 19,724 | \$ - |
| Research and Development Cluster | 45.164 Total | | | | | | \$ 19,724 | \$ - |
| Research and Development Cluster | 45.312 | National Leadership Grants | THE INSTITUTE OF MUSEUM AND LIBRARY SERVICES | Direct | | LG-246400-OLS-20 | \$ 51,748 | \$ 8,365 |
| Research and Development Cluster | 45.312 | National Leadership Grants | THE INSTITUTE OF MUSEUM AND LIBRARY SERVICES | Direct | | LG-250098-OLS-21 | \$ 87,143 | \$ - |
| Research and Development Cluster | 45.312 | National Leadership Grants | THE INSTITUTE OF MUSEUM AND LIBRARY SERVICES | Direct | | LG-252377-OLS-22 | \$ 163,777 | \$ 52,092 |
| Research and Development Cluster | 45.312 | National Leadership Grants | THE INSTITUTE OF MUSEUM AND LIBRARY SERVICES | Direct | | LG-254821-OLS-23 | \$ 68,454 | \$ - |
| Research and Development Cluster | 45.312 | National Leadership Grants | THE INSTITUTE OF MUSEUM AND LIBRARY SERVICES | Pass Through | MICHIGAN STATE UNIVERSITY | RL13044-IJ | \$ 9,639 | \$ - |
| Research and Development Cluster | 45.312 Total | | | | | | \$ 24,213 | \$ - |
| Research and Development Cluster | 45.312 | National Leadership Grants | THE INSTITUTE OF MUSEUM AND LIBRARY SERVICES | Pass Through | UNIVERSITY AT BUFFALO - SUNY | RJ208712 | \$ 404,974 | \$ 60,457 |
| Research and Development Cluster | 45.313 | Laura Bush 21st Century Librarian Program | THE INSTITUTE OF MUSEUM AND LIBRARY SERVICES | Direct | | RE-252380-OLS-22 | \$ 27,000 | \$ - |
| Research and Development Cluster | 45.313 | Laura Bush 21st Century Librarian Program | THE INSTITUTE OF MUSEUM AND LIBRARY SERVICES | Direct | | RE-252382-OLS-22 | \$ 55,466 | \$ - |
| Research and Development Cluster | 45.313 | Laura Bush 21st Century Librarian Program | THE INSTITUTE OF MUSEUM AND LIBRARY SERVICES | Direct | | RE-37-19-0082-19 | \$ (2,828) | \$ - |
| Research and Development Cluster | 45.313 Total | | | | | | \$ 79,638 | \$ - |
| Research and Development Cluster | 45.RD | NATIONAL ENDOWMENT FOR THE ARTS | NATIONAL ENDOWMENT FOR THE ARTS | Pass Through | INDIANA INSTITUTE FOR MEDICAL RESEARCH | Sally Wasmuth | \$ 3,339 | \$ - |
| Research and Development Cluster | 45.RD | NATIONAL ENDOWMENT FOR THE ARTS | NATIONAL ENDOWMENT FOR THE ARTS | Pass Through | INDIANA INSTITUTE FOR MEDICAL RESEARCH | Sheri Robb | \$ 6,369 | \$ - |
| Research and Development Cluster | 45.RD Total | | | | | | \$ 9,708 | \$ - |
| Research and Development Cluster | 47.041 | Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | BCS-2222626 | \$ 27,256 | \$ - |
| Research and Development Cluster | 47.041 | Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | CBET-2105929 | \$ 146,800 | \$ - |
| Research and Development Cluster | 47.041 | Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | CBET-2138553 | \$ 60,671 | \$ - |
| Research and Development Cluster | 47.041 | Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | CBET-2153891 | \$ 91,755 | \$ - |
| Research and Development Cluster | 47.041 | Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | CBET-2204681 | \$ 72,131 | \$ - |
| Research and Development Cluster | 47.041 | Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | CBET-2206945 | \$ 171,685 | \$ - |
| Research and Development Cluster | 47.041 | Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | CBET-2223453 | \$ 30,490 | \$ - |
| Research and Development Cluster | 47.041 | Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | CBET-2232717 | \$ 170,921 | \$ - |
| Research and Development Cluster | 47.041 | Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | CBET-2323474 | \$ 13,173 | \$ - |
| Research and Development Cluster | 47.041 | Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | CHE-2145378 | \$ 113,878 | \$ - |
| Research and Development Cluster | 47.041 | Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | CMMI-2143467 | \$ 74,416 | \$ - |
| Research and Development Cluster | 47.041 | Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | CMMI-2146351 | \$ 24,266 | \$ - |
| Research and Development Cluster | 47.041 | Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | CMMI-2334074 | \$ 5,880 | \$ - |
| Research and Development Cluster | 47.041 | Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | CMMI-2347035 | \$ 19,067 | \$ - |

| Cluster | Assistance Listing Number | ALN Program Title | Federal Agency Highest Level | Direct or Pass Through | Pass Through Entity | Pass Through Identifier/Federal Award ID | Sum of Federal Expenses | Sub-recipient Expenditures |
|----------------------------------|---------------------------|------------------------------------|------------------------------|------------------------|------------------------------------|--|-------------------------|----------------------------|
| Research and Development Cluster | 47.041 | Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | ECSS-1928481 | \$ 74,752 | \$ 64,899 |
| Research and Development Cluster | 47.041 | Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | ECSS-1936406 | \$ 22,827 | \$ - |
| Research and Development Cluster | 47.041 | Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | ECSS-2047169 | \$ 64,218 | \$ - |
| Research and Development Cluster | 47.041 | Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | ECSS-2236159 | \$ 9,753 | \$ - |
| Research and Development Cluster | 47.041 | Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | ECSS-2240227 | \$ 87,422 | \$ - |
| Research and Development Cluster | 47.041 | Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | EEC-1720625 | \$ (21,665) | \$ - |
| Research and Development Cluster | 47.041 | Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | EEC-1950672 | \$ 126,837 | \$ - |
| Research and Development Cluster | 47.041 | Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | EEC-2206932 | \$ 125,778 | \$ - |
| Research and Development Cluster | 47.041 | Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | EEC-2208989 | \$ (77) | \$ - |
| Research and Development Cluster | 47.041 | Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | EEC-2224928 | \$ 118,122 | \$ - |
| Research and Development Cluster | 47.041 | Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | EEC-2232367 | \$ 59,071 | \$ - |
| Research and Development Cluster | 47.041 | Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | IIP-1916645 | \$ 218,276 | \$ 37,948 |
| Research and Development Cluster | 47.041 | Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | IIP-2052565 | \$ 131,572 | \$ - |
| Research and Development Cluster | 47.041 | Engineering | NATIONAL SCIENCE FOUNDATION | Pass Through | CORNELL UNIVERSITY | 156360-20787 | \$ 4,381 | \$ - |
| Research and Development Cluster | 47.041 | Engineering | NATIONAL SCIENCE FOUNDATION | Pass Through | PURDUE UNIVERSITY | 10001679-026 | \$ 163,910 | \$ - |
| Research and Development Cluster | 47.041 | Engineering | NATIONAL SCIENCE FOUNDATION | Pass Through | TEXAS A&M UNIVERSITY | M2202464 | \$ 18,248 | \$ - |
| Research and Development Cluster | 47.041 | Engineering | NATIONAL SCIENCE FOUNDATION | Pass Through | TEXAS A&M UNIVERSITY | M2202465 | \$ 24,900 | \$ - |
| Research and Development Cluster | 47.041 | Engineering | NATIONAL SCIENCE FOUNDATION | Pass Through | TEXAS A&M UNIVERSITY | M2202466 | \$ 5,555 | \$ - |
| Research and Development Cluster | 47.041 | Engineering | NATIONAL SCIENCE FOUNDATION | Pass Through | TEXAS A&M UNIVERSITY | M2301884 | \$ 10,506 | \$ - |
| Research and Development Cluster | 47.041 | Engineering | NATIONAL SCIENCE FOUNDATION | Pass Through | UNIVERSITY OF NOTRE DAME | 307915IU Tang-2022 | \$ 49,536 | \$ - |
| Research and Development Cluster | 47.041 | Engineering | NATIONAL SCIENCE FOUNDATION | Pass Through | UNIVERSITY OF CALIFORNIA, BERKELEY | 00010800 | \$ 77,646 | \$ - |
| Research and Development Cluster | 47.041 | Engineering | NATIONAL SCIENCE FOUNDATION | Pass Through | DREXEL UNIVERSITY | 920153 | \$ 90,333 | \$ - |
| Research and Development Cluster | 47.041 Total | | | | | | \$ 2,484,290 | \$ 102,847 |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | AST-1806522 | \$ 13,211 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | AST-1909456 | \$ 57,476 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | AST-2009193 | \$ 72,998 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | CHE-1900020 | \$ (733) | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | CHE-1900229 | \$ 9,119 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | CHE-1904749 | \$ 16,742 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | CHE-1904879 | \$ (5,762) | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | CHE-1955887 | \$ 49,394 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | CHE-1955936 | \$ 112,680 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | CHE-2003762 | \$ 175,881 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | CHE-2053889 | \$ 163,413 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | CHE-2055222 | \$ 138,895 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | CHE-2102442 | \$ 53,988 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | CHE-2102583 | \$ 80,217 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | CHE-2102587 | \$ 197,600 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | CHE-2102610 | \$ 96,389 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | CHE-2105848 | \$ 161,543 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | CHE-2107664 | \$ 157,101 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | CHE-2143755 | \$ 97,430 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | CHE-2154726 | \$ 241,775 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | CHE-2203349 | \$ 204,622 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | CHE-2203968 | \$ 49,970 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | CHE-2221062 | \$ 96,354 | \$ 448,936 |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | CHE-2226475 | \$ 99,276 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | CHE-2239235 | \$ 78,701 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | CHE-2239441 | \$ 12,097 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | CHE-2247314 | \$ 225,314 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | CHE-2304987 | \$ 82,673 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | CHE-2305078 | \$ 91,265 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | CHE-2310682 | \$ 18,872 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | CHE-2311165 | \$ 225,113 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DMR-1753182 | \$ 80,621 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DMR-1809027 | \$ (277) | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DMR-1914451 | \$ 45,572 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DMR-2102526 | \$ 86,516 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DMR-2105219 | \$ 77,701 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DMR-2113536 | \$ 69,413 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DMR-2118423 | \$ 344,731 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DMR-2124478 | \$ 34,646 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DMR-2319183 | \$ 8,849 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DMR-2327826 | \$ 42,430 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DMS-1654019 | \$ 48,890 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DMS-1839167 | \$ 15,129 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DMS-1852146 | \$ 15,822 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DMS-1906107 | \$ (496) | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DMS-1951531 | \$ 50,387 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DMS-1952662 | \$ 5,264 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DMS-1954086 | \$ 8,171 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DMS-1955265 | \$ 60,996 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DMS-2000093 | \$ 38,283 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DMS-2001349 | \$ 59,049 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DMS-2004300 | \$ 18,874 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DMS-2051032 | \$ 108,461 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DMS-2052858 | \$ 52,030 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DMS-2054686 | \$ 36,432 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DMS-2055156 | \$ 71,698 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DMS-2104348 | \$ 52,403 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DMS-2106516 | \$ 60,179 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DMS-2110143 | \$ 38,007 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DMS-2146392 | \$ 82,280 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DMS-2150104 | \$ 69,610 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DMS-2152103 | \$ 116,388 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DMS-2154387 | \$ 65,202 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DMS-2154414 | \$ 101,800 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DMS-2206105 | \$ 37,064 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DMS-2212928 | \$ 76,124 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DMS-2230827 | \$ 21,218 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DMS-2232136 | \$ 40,882 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DMS-2244093 | \$ 86,454 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DMS-2302907 | \$ 46,362 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DMS-2331073 | \$ 18,084 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DMS-2348164 | \$ 14,586 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DMS-2348983 | \$ 26,846 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DMS-2349828 | \$ 34,350 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DMS-2401098 | \$ 24,927 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | OMA-1936353 | \$ 207,131 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | PHY-1757646 | \$ (293) | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | PHY-1828512 | \$ 2,077 | \$ 7,170 |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | PHY-1828609 | \$ (16,894) | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | PHY-1913553 | \$ 24,708 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | PHY-1913789 | \$ (110,209) | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | PHY-2013184 | \$ (4,751) | \$ - |

| Cluster | Assistance Listing Number | ALN Program Title | Federal Agency Highest Level | Direct or Pass Through | Pass Through Entity | Pass Through Identifier/Federal Award ID | Sum of Federal Expenses | Sub-recipient Expenditures |
|----------------------------------|---------------------------|--|------------------------------|------------------------|--|--|-------------------------|----------------------------|
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | PHY-2111347 | \$ 200,071 | \$ 37,003 |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | PHY-2150294 | \$ 112,390 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | PHY-2207796 | \$ 132,152 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | PHY-2209183 | \$ 109,386 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | PHY-2209481 | \$ 1,102,216 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | PHY-2209530 | \$ 238,045 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | PHY-2309944 | \$ 126,493 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | PHY-2310149 | \$ 130,274 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Pass Through | COLUMBIA UNIVERSITY | 15(GG016228) | \$ 150,951 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Pass Through | COLUMBIA UNIVERSITY | 16(GG016228) | \$ 23,927 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Pass Through | PENNSYLVANIA STATE UNIVERSITY | S000248-NSF | \$ 35,517 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Pass Through | COLUMBIA UNIVERSITY | SUB0000732 | \$ 121,792 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Pass Through | UNIVERSITY NEBRASKA LINCOLN | 25-0521-0229-002 | \$ (8,351) | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Pass Through | UNIVERSITY OF CHICAGO | AWD0102857 (SUB00000660) | \$ 76,074 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Pass Through | UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN | 1014331-19569 | \$ 127,880 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Pass Through | TULANE UNIVERSITY | TUL-SCC-560244-22/23 | \$ 278,288 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Pass Through | UNIVERSITY OF TENNESSEE | A22-0253-5001 | \$ 83,914 | \$ - |
| Research and Development Cluster | 47.049 | Mathematical and Physical Sciences | NATIONAL SCIENCE FOUNDATION | Pass Through | UNIVERSITY OF NEBRASKA | 25-0527-0002-002 | \$ 50,529 | \$ - |
| Research and Development Cluster | 47.049 Total | | | | | | \$ 9,336,997 | \$ 493,109 |
| Research and Development Cluster | 47.050 | Geosciences | NATIONAL SCIENCE FOUNDATION | Direct | | 2218293 | \$ 119,683 | \$ - |
| Research and Development Cluster | 47.050 | Geosciences | NATIONAL SCIENCE FOUNDATION | Direct | | AGS-1352375 | \$ 7,701 | \$ - |
| Research and Development Cluster | 47.050 | Geosciences | NATIONAL SCIENCE FOUNDATION | Direct | | AGS-1813981 | \$ 145 | \$ - |
| Research and Development Cluster | 47.050 | Geosciences | NATIONAL SCIENCE FOUNDATION | Direct | | AGS-1827450 | \$ 18,554 | \$ - |
| Research and Development Cluster | 47.050 | Geosciences | NATIONAL SCIENCE FOUNDATION | Direct | | AGS-2002482 | \$ 15,618 | \$ - |
| Research and Development Cluster | 47.050 | Geosciences | NATIONAL SCIENCE FOUNDATION | Direct | | AGS-2102888 | \$ 64,863 | \$ - |
| Research and Development Cluster | 47.050 | Geosciences | NATIONAL SCIENCE FOUNDATION | Direct | | AGS-2140235 | \$ 131,282 | \$ - |
| Research and Development Cluster | 47.050 | Geosciences | NATIONAL SCIENCE FOUNDATION | Direct | | AGS-2243282 | \$ 85,840 | \$ - |
| Research and Development Cluster | 47.050 | Geosciences | NATIONAL SCIENCE FOUNDATION | Direct | | AGS-2309929 | \$ 64,264 | \$ - |
| Research and Development Cluster | 47.050 | Geosciences | NATIONAL SCIENCE FOUNDATION | Direct | | AGS-2322462 | \$ 128,070 | \$ - |
| Research and Development Cluster | 47.050 | Geosciences | NATIONAL SCIENCE FOUNDATION | Direct | | DEB-2206086 | \$ 538,786 | \$ 41,117 |
| Research and Development Cluster | 47.050 | Geosciences | NATIONAL SCIENCE FOUNDATION | Direct | | EAR-1554894 | \$ 190,111 | \$ - |
| Research and Development Cluster | 47.050 | Geosciences | NATIONAL SCIENCE FOUNDATION | Direct | | EAR-1727736 | \$ (37) | \$ - |
| Research and Development Cluster | 47.050 | Geosciences | NATIONAL SCIENCE FOUNDATION | Direct | | EAR-1850878 | \$ 84,105 | \$ - |
| Research and Development Cluster | 47.050 | Geosciences | NATIONAL SCIENCE FOUNDATION | Direct | | EAR-1851684 | \$ 55,500 | \$ - |
| Research and Development Cluster | 47.050 | Geosciences | NATIONAL SCIENCE FOUNDATION | Direct | | EAR-1911321 | \$ 1,839 | \$ - |
| Research and Development Cluster | 47.050 | Geosciences | NATIONAL SCIENCE FOUNDATION | Direct | | EAR-1926734 | \$ (45) | \$ - |
| Research and Development Cluster | 47.050 | Geosciences | NATIONAL SCIENCE FOUNDATION | Direct | | EAR-1949655 | \$ 4,556 | \$ - |
| Research and Development Cluster | 47.050 | Geosciences | NATIONAL SCIENCE FOUNDATION | Direct | | EAR-2041738 | \$ 120,208 | \$ - |
| Research and Development Cluster | 47.050 | Geosciences | NATIONAL SCIENCE FOUNDATION | Direct | | EAR-2045291 | \$ 50,804 | \$ - |
| Research and Development Cluster | 47.050 | Geosciences | NATIONAL SCIENCE FOUNDATION | Direct | | EAR-2103046 | \$ 116,941 | \$ - |
| Research and Development Cluster | 47.050 | Geosciences | NATIONAL SCIENCE FOUNDATION | Direct | | EAR-2111940 | \$ 58,446 | \$ - |
| Research and Development Cluster | 47.050 | Geosciences | NATIONAL SCIENCE FOUNDATION | Direct | | EAR-2120211 | \$ 76,109 | \$ - |
| Research and Development Cluster | 47.050 | Geosciences | NATIONAL SCIENCE FOUNDATION | Direct | | EAR-2121631 | \$ 27,779 | \$ - |
| Research and Development Cluster | 47.050 | Geosciences | NATIONAL SCIENCE FOUNDATION | Direct | | EAR-2123412 | \$ 120,825 | \$ - |
| Research and Development Cluster | 47.050 | Geosciences | NATIONAL SCIENCE FOUNDATION | Direct | | EAR-2149433 | \$ 46,873 | \$ - |
| Research and Development Cluster | 47.050 | Geosciences | NATIONAL SCIENCE FOUNDATION | Direct | | EAR-2211907 | \$ 120,757 | \$ - |
| Research and Development Cluster | 47.050 | Geosciences | NATIONAL SCIENCE FOUNDATION | Direct | | EAR-2227356 | \$ 97,789 | \$ - |
| Research and Development Cluster | 47.050 | Geosciences | NATIONAL SCIENCE FOUNDATION | Direct | | EAR-2242907 | \$ 134,292 | \$ - |
| Research and Development Cluster | 47.050 | Geosciences | NATIONAL SCIENCE FOUNDATION | Direct | | EAR-2317025 | \$ 10,089 | \$ - |
| Research and Development Cluster | 47.050 | Geosciences | NATIONAL SCIENCE FOUNDATION | Direct | | EAR-2321056 | \$ 7,694 | \$ - |
| Research and Development Cluster | 47.050 | Geosciences | NATIONAL SCIENCE FOUNDATION | Direct | | ICER-2022644 | \$ 51,471 | \$ - |
| Research and Development Cluster | 47.050 | Geosciences | NATIONAL SCIENCE FOUNDATION | Direct | | OPP-1744819 | \$ 30,159 | \$ - |
| Research and Development Cluster | 47.050 | Geosciences | NATIONAL SCIENCE FOUNDATION | Pass Through | COLUMBIA UNIVERSITY | 117(GG009393-04) | \$ 218 | \$ - |
| Research and Development Cluster | 47.050 | Geosciences | NATIONAL SCIENCE FOUNDATION | Pass Through | COLUMBIA UNIVERSITY | 117B(GG009393-04) | \$ 35,539 | \$ - |
| Research and Development Cluster | 47.050 | Geosciences | NATIONAL SCIENCE FOUNDATION | Pass Through | COLUMBIA UNIVERSITY | 117C(GG009393-04) | \$ 10,121 | \$ - |
| Research and Development Cluster | 47.050 | Geosciences | NATIONAL SCIENCE FOUNDATION | Pass Through | COLUMBIA UNIVERSITY | 117D(GG009393-04) | \$ 4,391 | \$ - |
| Research and Development Cluster | 47.050 | Geosciences | NATIONAL SCIENCE FOUNDATION | Pass Through | COLUMBIA UNIVERSITY | 117E(GG009393-04) | \$ 16,863 | \$ - |
| Research and Development Cluster | 47.050 | Geosciences | NATIONAL SCIENCE FOUNDATION | Pass Through | PRINCETON UNIVERSITY | SUB0000667 | \$ 5,814 | \$ - |
| Research and Development Cluster | 47.050 Total | | | | | SUB00001913 | \$ 37,717 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | 2319246 | \$ 74,766 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | CCF-1763922 | \$ 46,730 | \$ 46,730 |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | CCF-1844234 | \$ 196,061 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | CCF-1906992 | \$ (39,641) | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | CCF-1955027 | \$ 239,414 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | CCF-2006591 | \$ 19,510 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | CCF-2019266 | \$ 72,939 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | CCF-2124225 | \$ (15,520) | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | CCF-2316234 | \$ 52,630 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | CNS-1801432 | \$ 307,386 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | CNS-1850725 | \$ 17,306 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | CNS-1852105 | \$ 126,766 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | CNS-1852294 | \$ (71) | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | CNS-2047849 | \$ 75,417 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | CNS-2105004 | \$ 66,159 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | CNS-2123618 | \$ 136,521 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | CNS-2145431 | \$ (17) | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | CNS-2143120 | \$ 102,539 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | CNS-2145675 | \$ 11,167 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | CNS-2154199 | \$ 4,991 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | CNS-2207019 | \$ 267,185 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | CNS-2207231 | \$ 122,512 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | CNS-2245760 | \$ 20,492 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | CNS-2320265 | \$ 58,660 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | CNS-2414736 | \$ 52,133 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | IIS-1814725 | \$ (35) | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | IIS-1838083 | \$ 153,652 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | IIS-1839966 | \$ 158,030 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | IIS-1845322 | \$ (8) | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | IIS-1850269 | \$ 13,495 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | IIS-1850360 | \$ (715) | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | IIS-1900683 | \$ 120,741 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | IIS-1909700 | \$ 17,759 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | IIS-1909845 | \$ 47,857 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | IIS-1909850 | \$ 62,290 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | IIS-1909916 | \$ 70,291 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | IIS-1942394 | \$ 35,076 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | IIS-1942429 | \$ 85,955 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | IIS-1948286 | \$ 59,571 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | IIS-2006818 | \$ 61,086 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | IIS-2006886 | \$ 205,839 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | IIS-2020194 | \$ 71,923 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | IIS-2023985 | \$ 205,573 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | IIS-2046963 | \$ 65,944 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | IIS-2047432 | \$ 91,117 | \$ - |

| Cluster | Assistance Listing Number | ALN Program Title | Federal Agency Highest Level | Direct or Pass Through | Pass Through Entity | Pass Through Identifier/Federal Award ID | Sum of Federal Expenses | Sub-recipient Expenditures |
|----------------------------------|---------------------------|--|------------------------------|------------------------|---|--|-------------------------|----------------------------|
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | IIS-2130583 | \$ 50,309 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | IIS-2144503 | \$ 40,053 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | IIS-2145049 | \$ 50,493 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | IIS-2145314 | \$ 107,946 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | IIS-2145565 | \$ 94,801 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | IIS-2228013 | \$ (155) | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | IIS-2246261 | \$ 248,930 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | OAC-1835817 | \$ 20,655 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | OAC-1840003 | \$ 77 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | OAC-1840034 | \$ 3,837 | \$ 11,195 |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | OAC1916518 | \$ 203,774 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | OAC-1920430 | \$ (513) | \$ (513) |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | OAC-2005506 | \$ 2,238,096 | \$ 773,969 |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | OAC-2028495 | \$ 668,121 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | OAC-2028501 | \$ 749,076 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | OAC-2126266 | \$ 180,844 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | OAC-2209835 | \$ 130,883 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | OAC-2209872 | \$ 214,996 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | OAC-2227627 | \$ 63,198 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | OAC-2247060 | \$ 46,438 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | OAC-2247080 | \$ 88,378 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | OAC-2303064 | \$ 107,737 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | OAC-2303820 | \$ 3,653 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | OAC-2311876 | \$ 15,909 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | OAC-2312673 | \$ 5,824 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | OAC-2321091 | \$ 101,454 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | OAC-2346672 | \$ 138,728 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | OAC-2339607 | \$ 34,449 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | OAC-2414185 | \$ 131,346 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | OAC-2414474 | \$ 14,354 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Pass Through | OHIO STATE UNIVERSITY | SPC-1000005602 / GR124834 | \$ 449,716 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Pass Through | PRINCETON UNIVERSITY | SUB00000274 | \$ 23,568 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Pass Through | PURDUE UNIVERSITY | 10002083-077 | \$ 110,623 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Pass Through | UNIVERSITY OF ARIZONA | 581689 | \$ 46,091 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Pass Through | UNIVERSITY OF ARIZONA | 725493 | \$ 13,648 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Pass Through | UNIVERSITY OF CALIFORNIA, LOS ANGELES | 1295 G ZA297 | \$ 112,079 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Pass Through | UNIVERSITY OF ILLINOIS | 108555-18952 | \$ 99,708 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Pass Through | UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN | 083942-16148 | \$ 293,148 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Pass Through | UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN | 108822-18946 | \$ 324,922 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Pass Through | UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN | 110550-19167 | \$ 1,155,815 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Pass Through | UNIVERSITY OF OKLAHOMA | 2024-70 | \$ 16,281 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Pass Through | UNIVERSITY OF PITTSBURGH | AWD00006341 (012839-1) | \$ 33,043 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Pass Through | UNIVERSITY OF SOUTHERN CALIFORNIA | SCON-00002664 | \$ 169,778 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Pass Through | UNIVERSITY OF TEXAS AT AUSTIN | UTA18-001251 | \$ 18,988 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Pass Through | UNIVERSITY OF TEXAS AT AUSTIN | UTAU5-SUB00000113 | \$ 63,900 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Pass Through | UNIVERSITY OF TEXAS AT AUSTIN | UTAU5-SUB00000549 | \$ 70,763 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Pass Through | UNIVERSITY OF VIRGINIA | AWD-003321.GR012402~GAI1616.16924 | \$ 8,083 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Pass Through | UNIVERSITY OF WASHINGTON | UWSC13100 | \$ 91,838 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Pass Through | UNIVERSITY OF WISCONSIN | 000000979 | \$ 117,210 | \$ - |
| Research and Development Cluster | 47.070 | Computer and Information Science and Engineering | NATIONAL SCIENCE FOUNDATION | Pass Through | COMPUTING RESEARCH ASSOCIATION | CIF2020-IUB-18 | \$ 104,715 | \$ - |
| Research and Development Cluster | 47.070 Total | | | | | | \$ 12,620,084 | \$ 831,381 |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | BGS-2307519 | \$ 59,151 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DBI-1460949 | \$ (264) | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DBI-2011271 | \$ 342,710 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DBI-2047631 | \$ 78,547 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DBI-2050311 | \$ 47,141 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DBI-2146866 | \$ 215,624 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DEB-1856469 | \$ 170,563 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DEB-1906469 | \$ 8,780 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DEB-1934554 | \$ 140,171 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DEB-1936187 | \$ 12,383 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DEB-2015541 | \$ 63,283 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DEB-2106096 | \$ 76,696 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DEB-2224853 | \$ 102,876 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DEB-2307257 | \$ 24,323 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | DEB-2331163 | \$ 15,985 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | EF-2025389 | \$ 331,661 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | EF-2025451 | \$ 82,273 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | IOS-1656414 | \$ 151,857 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | IOS-1842685 | \$ (283) | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | IOS-1856423 | \$ 149,075 | \$ 113,656 |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | IOS-1856436 | \$ 114,393 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | IOS-1901680 | \$ 393,260 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | IOS-1911688 | \$ 58 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | IOS-1928781 | \$ 151,462 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | IOS-1942192 | \$ 175,639 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | IOS-2005300 | \$ 69,116 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | IOS-2006196 | \$ 105,515 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | IOS-2012106 | \$ 351,664 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | IOS-2017314 | \$ 83,869 | \$ 30,654 |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | IOS-2141969 | \$ 412,286 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | IOS-2143636 | \$ 270,957 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | IOS-2207168 | \$ 155,960 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | IOS-2223383 | \$ 279,608 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | IOS-2243531 | \$ 186,250 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | IOS-2243725 | \$ 33,798 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | IOS-2243900 | \$ 94,672 | \$ 56,497 |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | IOS-2325060 | \$ 22,000 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | MCB-1749489 | \$ 134,646 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | MCB-1818187 | \$ 51,563 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | MCB-1917050 | \$ 132,681 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | MCB-1927504 | \$ 238,755 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | MCB1929346 | \$ 61,801 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | MCB-2001115 | \$ 129,462 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | MCB-2017164 | \$ 101,657 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | MCB-2128166 | \$ 102,124 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Pass Through | ARIZONA STATE UNIVERSITY | ASUB00000352 | \$ 37,275 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Pass Through | ARIZONA STATE UNIVERSITY | ASUB00000410 | \$ 144,593 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Pass Through | ARIZONA STATE UNIVERSITY | ASUB00000765 | \$ 80,847 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Pass Through | PURDUE UNIVERSITY | 10001908-013 | \$ 220,616 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Pass Through | UNIVERSITY OF GEORGIA | SUB00002957 | \$ 8,673 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Pass Through | UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN | 101519-18383 | \$ 752,702 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Pass Through | FOUNDATION FOR APPLIED MOLECULAR EVOLUTION, INC | | \$ 95,718 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Pass Through | SAINT MARTIN'S UNIVERSITY | 174430 | \$ 14,985 | \$ - |

| Cluster | Assistance Listing Number | ALN Program Title | Federal Agency Highest Level | Direct or Pass Through | Pass Through Entity | Pass Through Identifier/Federal Award ID | Sum of Federal Expenses | Sub-recipient Expenditures |
|----------------------------------|---------------------------|---|------------------------------|------------------------|---|--|-------------------------|----------------------------|
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Pass Through | REED COLLEGE | 40216-5326 | \$ 3,716 | \$ - |
| Research and Development Cluster | 47.074 | Biological Sciences | NATIONAL SCIENCE FOUNDATION | Pass Through | UNIVERSITY OF SAN DIEGO | A22-0018, GRT_0503 | \$ 700 | \$ - |
| Research and Development Cluster | 47.074 Total | | | | | | \$ 7,285,520 | \$ 200,807 |
| Research and Development Cluster | 47.075 | COVID-19 Social, Behavioral, and Economic Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | Covid-19, 47.075 | \$ 52,762 | \$ - |
| Research and Development Cluster | 47.075 | Social, Behavioral, and Economic Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | 2149329 | \$ 145,253 | \$ 24,139 |
| Research and Development Cluster | 47.075 | Social, Behavioral, and Economic Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | 2319108 | \$ 49,016 | \$ - |
| Research and Development Cluster | 47.075 | Social, Behavioral, and Economic Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | BGS-1753915 | \$ (270) | \$ - |
| Research and Development Cluster | 47.075 | Social, Behavioral, and Economic Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | BGS-1842617 | \$ 47,492 | \$ - |
| Research and Development Cluster | 47.075 | Social, Behavioral, and Economic Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | BGS-1941691 | \$ 66,110 | \$ - |
| Research and Development Cluster | 47.075 | Social, Behavioral, and Economic Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | BGS-1946039 | \$ 85,127 | \$ - |
| Research and Development Cluster | 47.075 | Social, Behavioral, and Economic Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | BGS-2009125 | \$ 285,955 | \$ 111,162 |
| Research and Development Cluster | 47.075 | Social, Behavioral, and Economic Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | BGS-2121144 | \$ 14,803 | \$ 3,984 |
| Research and Development Cluster | 47.075 | Social, Behavioral, and Economic Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | BGS-2122661 | \$ 956 | \$ - |
| Research and Development Cluster | 47.075 | Social, Behavioral, and Economic Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | BGS-2215153 | \$ 127,884 | \$ - |
| Research and Development Cluster | 47.075 | Social, Behavioral, and Economic Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | BGS-2224813 | \$ 10,680 | \$ - |
| Research and Development Cluster | 47.075 | Social, Behavioral, and Economic Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | BGS-2235101 | \$ 2,929 | \$ - |
| Research and Development Cluster | 47.075 | Social, Behavioral, and Economic Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | BGS-2235363 | \$ 44,117 | \$ - |
| Research and Development Cluster | 47.075 | Social, Behavioral, and Economic Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | BGS-2305559 | \$ 126,520 | \$ - |
| Research and Development Cluster | 47.075 | Social, Behavioral, and Economic Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | BGS-2314522 | \$ 113,537 | \$ - |
| Research and Development Cluster | 47.075 | Social, Behavioral, and Economic Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | BGS-2317121 | \$ 19,064 | \$ - |
| Research and Development Cluster | 47.075 | Social, Behavioral, and Economic Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | BGS-2333404 | \$ 87,652 | \$ - |
| Research and Development Cluster | 47.075 | Social, Behavioral, and Economic Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | BGS-2346989 | \$ 14,985 | \$ - |
| Research and Development Cluster | 47.075 | Social, Behavioral, and Economic Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | CNS-2207019 | \$ 58,982 | \$ - |
| Research and Development Cluster | 47.075 | Social, Behavioral, and Economic Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | SES-1658168 | \$ 50,222 | \$ - |
| Research and Development Cluster | 47.075 | Social, Behavioral, and Economic Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | SES-1737157 | \$ 25,417 | \$ - |
| Research and Development Cluster | 47.075 | Social, Behavioral, and Economic Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | SES-1754740 | \$ 18,931 | \$ - |
| Research and Development Cluster | 47.075 | Social, Behavioral, and Economic Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | SES-1941561 | \$ 81,187 | \$ - |
| Research and Development Cluster | 47.075 | Social, Behavioral, and Economic Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | SES-2017652 | \$ 159,544 | \$ - |
| Research and Development Cluster | 47.075 | Social, Behavioral, and Economic Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | SES-2021012 | \$ 34,832 | \$ 2,942 |
| Research and Development Cluster | 47.075 | Social, Behavioral, and Economic Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | SES-2116472 | \$ (923) | \$ - |
| Research and Development Cluster | 47.075 | Social, Behavioral, and Economic Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | SES-2152423 | \$ 193,044 | \$ - |
| Research and Development Cluster | 47.075 | Social, Behavioral, and Economic Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | SES-2221922 | \$ 18,373 | \$ - |
| Research and Development Cluster | 47.075 | Social, Behavioral, and Economic Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | SES-2240879 | \$ 53,837 | \$ - |
| Research and Development Cluster | 47.075 | Social, Behavioral, and Economic Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | SES-2242507 | \$ 79,028 | \$ 32,940 |
| Research and Development Cluster | 47.075 | Social, Behavioral, and Economic Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | SES-2242962 | \$ 33,466 | \$ - |
| Research and Development Cluster | 47.075 | Social, Behavioral, and Economic Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | SES-2344676 | \$ 60,063 | \$ - |
| Research and Development Cluster | 47.075 | Social, Behavioral, and Economic Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | SES-2350258 | \$ 269,323 | \$ - |
| Research and Development Cluster | 47.075 | Social, Behavioral, and Economic Sciences | NATIONAL SCIENCE FOUNDATION | Direct | | SMA-2222453 | \$ 37,005 | \$ - |
| Research and Development Cluster | 47.075 | Social, Behavioral, and Economic Sciences | NATIONAL SCIENCE FOUNDATION | Pass Through | CORNELL UNIVERSITY | 140888-21143 | \$ 45,331 | \$ - |
| Research and Development Cluster | 47.075 | Social, Behavioral, and Economic Sciences | NATIONAL SCIENCE FOUNDATION | Pass Through | OREGON STATE UNIVERSITY | SE23984 | \$ 15,243 | \$ - |
| Research and Development Cluster | 47.075 | Social, Behavioral, and Economic Sciences | NATIONAL SCIENCE FOUNDATION | Pass Through | UNIVERSITY OF MINNESOTA | A009610201 | \$ 65,623 | \$ - |
| Research and Development Cluster | 47.075 | Social, Behavioral, and Economic Sciences | NATIONAL SCIENCE FOUNDATION | Pass Through | 0000000830 | | \$ 25,601 | \$ - |
| Research and Development Cluster | 47.075 | Social, Behavioral, and Economic Sciences | NATIONAL SCIENCE FOUNDATION | Pass Through | VIRGINIA POLYTECHNIC INSTITUTE & STATE UNIVERSITY | 480539-19525 | \$ 123,869 | \$ - |
| Research and Development Cluster | 47.075 | Social, Behavioral, and Economic Sciences | NATIONAL SCIENCE FOUNDATION | Pass Through | AMERICAN SOCIOLOGICAL ASSOCIATION | | \$ 940 | \$ - |
| Research and Development Cluster | 47.075 Total | | | | | | \$ 2,753,510 | \$ 175,167 |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Direct | | 2308500 | \$ 437,141 | \$ 59,840 |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Direct | | DGE-1735095 | \$ (15,259) | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Direct | | DGE-1946537 | \$ 347,459 | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Direct | | DGE-2011117 | \$ 100,748 | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Direct | | DGE-2100235 | \$ 91,043 | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Direct | | DGE-2141416 | \$ 97,489 | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Direct | | DGE-2146359 | \$ 507,503 | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Direct | | DGE-2224777 | \$ 70,020 | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Direct | | DGE-2240777 | \$ 970,521 | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Direct | | DRL-1713567 | \$ 61,885 | \$ 36,610 |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Direct | | DRL-1759259 | \$ 37,944 | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Direct | | DRL-1761019 | \$ (1,402) | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Direct | | DRL-1908632 | \$ 148,570 | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Direct | | DRL-1934128 | \$ 12,479 | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Direct | | DRL-2005860 | \$ 146,144 | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Direct | | DRL-2048989 | \$ 93,294 | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Direct | | DRL-2101532 | \$ 197 | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Direct | | DRL-2122785 | \$ 27,334 | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Direct | | DRL-2147811 | \$ 36,897 | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Direct | | DRL-2200990 | \$ 505,842 | \$ 110,417 |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Direct | | DRL-2241705 | \$ 247,949 | \$ 125,000 |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Direct | | DRL-2243778 | \$ 161,480 | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Direct | | DRL-2300618 | \$ 121,519 | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Direct | | DRL-2300832 | \$ 195,140 | \$ 75,000 |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Direct | | DRL-2314184 | \$ 10,044 | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Direct | | DRL-23234631 | \$ 113,137 | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Direct | | DRL-2335834 | \$ 11,411 | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Direct | | DRL-2405548 | \$ 111,147 | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Direct | | DRL-2410889 | \$ 167,009 | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Direct | | DUE-1561486 | \$ (7) | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Direct | | DUE-1643586 | \$ 16,676 | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Direct | | DUE-1758481 | \$ (3,405) | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Direct | | DUE-1833817 | \$ 314,077 | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Direct | | DUE-1914872 | \$ 34,907 | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Direct | | DUE-1915498 | \$ 3,910 | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Direct | | DUE-2013467 | \$ 57,212 | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Direct | | DUE-2021209 | \$ 70,541 | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Direct | | DUE-2111216 | \$ 115,479 | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Direct | | DUE-2151012 | \$ 18,386 | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Direct | | HRD-1618408 | \$ 28,767 | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Direct | | HRD-1661004 | \$ 26,370 | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Direct | | HRD-1826626 | \$ 218,958 | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Direct | | HRD-1936096 | \$ 190,025 | \$ 4,395 |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Direct | | IIP-2052565 | \$ 36,450 | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Pass Through | BUTLER UNIVERSITY | IUPUI-190715 | \$ 2,053 | \$ - |

| Cluster | Assistance Listing Number | ALN Program Title | Federal Agency Highest Level | Direct or Pass Through | Pass Through Entity | Pass Through Identifier/Federal Award ID | Sum of Federal Expenses | Sub-recipient Expenditures |
|----------------------------------|---------------------------|---|---------------------------------|------------------------|--|--|-------------------------|----------------------------|
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Pass Through | COUNCIL ON UNDERGRADUATE RESEARCH | 1625354-02 | \$ 1,810 | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Pass Through | RESEARCH FOUNDATION STATE UNIVERSITY NEW YORK | 90063 | \$ 34,379 | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Pass Through | UNIVERSITY OF ARIZONA | 592573 | \$ 72,704 | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Pass Through | UNIVERSITY OF GEORGIA | SIU800002122 | \$ 19,213 | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Pass Through | UNIVERSITY OF MICHIGAN | SIUBK00019791 | \$ 1,864 | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Pass Through | CLEMSON UNIVERSITY | 2229-206-2014171 | \$ 9,202 | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Pass Through | EDUCATIONAL TESTING SERVICE | 0901046 | \$ 87,593 | \$ 68,041 |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Pass Through | IOWA STATE UNIVERSITY | 026019A | \$ 36,160 | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Pass Through | NORTH CAROLINA STATE UNIVERSITY | 2021-1592-02 | \$ 700,959 | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Pass Through | PASADENA CITY COLLEGE | B220013 | \$ 38,830 | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Pass Through | TERC | 12148 | \$ 169,036 | \$ - |
| Research and Development Cluster | 47.076 | STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Pass Through | FORDHAM UNIVERSITY | FORD0117-30408 | \$ 23,452 | \$ - |
| Research and Development Cluster | 47.076 | COVID-19 STEM Education (formerly Education and Human Resources) | NATIONAL SCIENCE FOUNDATION | Direct | | Covid-19, 47.076 | \$ 89,390 | \$ 6,485 |
| Research and Development Cluster | 47.076 Total | | | | | | \$ 7,229,676 | \$ 485,788 |
| Research and Development Cluster | 47.078 | Polar Programs | NATIONAL SCIENCE FOUNDATION | Direct | | OPP-2039854 | \$ 164,430 | \$ - |
| Research and Development Cluster | 47.078 Total | | | | | | \$ 164,430 | \$ - |
| Research and Development Cluster | 47.079 | Office of International Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | OISE-1854114 | \$ 74,285 | \$ 12,186 |
| Research and Development Cluster | 47.079 | Office of International Science and Engineering | NATIONAL SCIENCE FOUNDATION | Direct | | OISE-1927418 | \$ 294,214 | \$ - |
| Research and Development Cluster | 47.079 | Office of International Science and Engineering | NATIONAL SCIENCE FOUNDATION | Pass Through | PURDUE UNIVERSITY | 10002150-006 | \$ 15,616 | \$ - |
| Research and Development Cluster | 47.079 | Office of International Science and Engineering | NATIONAL SCIENCE FOUNDATION | Pass Through | UNIVERSITY OF CALIFORNIA, BERKELEY | 00010750 | \$ 6,629 | \$ - |
| Research and Development Cluster | 47.079 Total | | | | | | \$ 390,744 | \$ 12,186 |
| Research and Development Cluster | 47.083 | Integrative Activities | NATIONAL SCIENCE FOUNDATION | Direct | | OIA-2317826 | \$ 41,148 | \$ - |
| Research and Development Cluster | 47.083 | Integrative Activities | NATIONAL SCIENCE FOUNDATION | Pass Through | KANSAS STATE UNIVERSITY | A24-0074-5001 | \$ 25,429 | \$ - |
| Research and Development Cluster | 47.083 Total | | | | | | \$ 66,577 | \$ - |
| Research and Development Cluster | 47.084 | NSF Technology, Innovation, and Partnerships | NATIONAL SCIENCE FOUNDATION | Direct | | | \$ 467,981 | \$ 92,290 |
| Research and Development Cluster | 47.084 | NSF Technology, Innovation, and Partnerships | NATIONAL SCIENCE FOUNDATION | Direct | | TI-2229642 | \$ 126,511 | \$ - |
| Research and Development Cluster | 47.084 | NSF Technology, Innovation, and Partnerships | NATIONAL SCIENCE FOUNDATION | Pass Through | CARNEGIE MELLON UNIVERSITY | 1123649-463158 | \$ 54,004 | \$ - |
| Research and Development Cluster | 47.084 Total | | | | | | \$ 648,496 | \$ 92,290 |
| Research and Development Cluster | 47.RD | National Science Foundation | NATIONAL SCIENCE FOUNDATION | Pass Through | UNAVCO INC | PO 017623 | \$ 32,664 | \$ - |
| Research and Development Cluster | 47.RD Total | | | | | | \$ 32,664 | \$ - |
| Research and Development Cluster | 66.419 | Water Pollution Control State, Interstate, and Tribal Program Support | ENVIRONMENTAL PROTECTION AGENCY | Pass Through | INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT | 00000000000000000000059029 | \$ 11,231 | \$ - |
| Research and Development Cluster | 66.419 Total | | | | | | \$ 11,231 | \$ - |
| Research and Development Cluster | 66.469 | Geographic Programs - Great Lakes Restoration Initiative | ENVIRONMENTAL PROTECTION AGENCY | Direct | | GL-00E02730 | \$ 1,146,205 | \$ 17,025 |
| Research and Development Cluster | 66.469 Total | | | | | | \$ 1,146,205 | \$ 17,025 |
| Research and Development Cluster | 66.509 | Science To Achieve Results (STAR) Research Program | ENVIRONMENTAL PROTECTION AGENCY | Pass Through | PURDUE UNIVERSITY | 16200037-009 | \$ 94,829 | \$ - |
| Research and Development Cluster | 66.509 | Science To Achieve Results (STAR) Research Program | ENVIRONMENTAL PROTECTION AGENCY | Pass Through | GREEN UMBRELLA | STAR1UJ | \$ 79,722 | \$ - |
| Research and Development Cluster | 66.509 Total | | | | | | \$ 174,551 | \$ - |
| Research and Development Cluster | 66.511 | Office of Research and Development Consolidated Research/Training | ENVIRONMENTAL PROTECTION AGENCY | Direct | | 84008101 | \$ (4,531) | \$ - |
| Research and Development Cluster | 66.511 Total | | | | | | \$ (4,531) | \$ - |
| Research and Development Cluster | 66.RD | Environmental Protection Agency | ENVIRONMENTAL PROTECTION AGENCY | Pass Through | MONROE COUNTY SOIL & WATER CONSERVATION DISTRICT | | \$ 8,775 | \$ - |
| Research and Development Cluster | 66.RD Total | | | | | | \$ 8,775 | \$ - |
| Research and Development Cluster | 81.049 | Office of Science Financial Assistance Program | ENERGY, DEPARTMENT OF | Direct | | DE-FG02-05ER41374 | \$ 582,072 | \$ - |
| Research and Development Cluster | 81.049 | Office of Science Financial Assistance Program | ENERGY, DEPARTMENT OF | Direct | | DE-FG02-87ER40365 | \$ 467,025 | \$ - |
| Research and Development Cluster | 81.049 | Office of Science Financial Assistance Program | ENERGY, DEPARTMENT OF | Direct | | DE-FG02-88ER40404 | \$ 8,518 | \$ - |
| Research and Development Cluster | 81.049 | Office of Science Financial Assistance Program | ENERGY, DEPARTMENT OF | Direct | | DE-SC0002728 | \$ 201,753 | \$ - |
| Research and Development Cluster | 81.049 | Office of Science Financial Assistance Program | ENERGY, DEPARTMENT OF | Direct | | DE-SC0010120 | \$ 1,756,709 | \$ - |
| Research and Development Cluster | 81.049 | Office of Science Financial Assistance Program | ENERGY, DEPARTMENT OF | Direct | | DE-SC0014443 | \$ (4,129) | \$ - |
| Research and Development Cluster | 81.049 | Office of Science Financial Assistance Program | ENERGY, DEPARTMENT OF | Direct | | DE-SC0019466 | \$ 182,536 | \$ - |
| Research and Development Cluster | 81.049 | Office of Science Financial Assistance Program | ENERGY, DEPARTMENT OF | Direct | | DE-SC0020343 | \$ (10,248) | \$ - |
| Research and Development Cluster | 81.049 | Office of Science Financial Assistance Program | ENERGY, DEPARTMENT OF | Direct | | DE-SC0021390 | \$ 259,408 | \$ - |
| Research and Development Cluster | 81.049 | Office of Science Financial Assistance Program | ENERGY, DEPARTMENT OF | Direct | | DE-SC0022098 | \$ 137,980 | \$ - |
| Research and Development Cluster | 81.049 | Office of Science Financial Assistance Program | ENERGY, DEPARTMENT OF | Direct | | DE-SC0022530 | \$ 164,753 | \$ - |
| Research and Development Cluster | 81.049 | Office of Science Financial Assistance Program | ENERGY, DEPARTMENT OF | Direct | | DE-SC0023349 | \$ 270,324 | \$ - |
| Research and Development Cluster | 81.049 | Office of Science Financial Assistance Program | ENERGY, DEPARTMENT OF | Direct | | DE-SC0023519 | \$ 129,308 | \$ 23,505 |
| Research and Development Cluster | 81.049 | Office of Science Financial Assistance Program | ENERGY, DEPARTMENT OF | Direct | | DE-SC0023598 | \$ 275,725 | \$ 209,832 |
| Research and Development Cluster | 81.049 | Office of Science Financial Assistance Program | ENERGY, DEPARTMENT OF | Direct | | DE-SC0023695 | \$ 184,237 | \$ 156,366 |
| Research and Development Cluster | 81.049 | Office of Science Financial Assistance Program | ENERGY, DEPARTMENT OF | Direct | | DE-SC0024282 | \$ 276,482 | \$ 79,811 |
| Research and Development Cluster | 81.049 | Office of Science Financial Assistance Program | ENERGY, DEPARTMENT OF | Direct | | DE-SC0024333 | \$ 170,551 | \$ 75,617 |
| Research and Development Cluster | 81.049 | Office of Science Financial Assistance Program | ENERGY, DEPARTMENT OF | Pass Through | ADELPHI TECHNOLOGY INC. | DE-SC0022453 | \$ 3,159 | \$ - |
| Research and Development Cluster | 81.049 | Office of Science Financial Assistance Program | ENERGY, DEPARTMENT OF | Pass Through | ADELPHI TECHNOLOGY INC. | SC0023624 | \$ 90,129 | \$ - |
| Research and Development Cluster | 81.049 | Office of Science Financial Assistance Program | ENERGY, DEPARTMENT OF | Pass Through | MICHIGAN STATE UNIVERSITY | RC111931 - IU | \$ 79,301 | \$ - |
| Research and Development Cluster | 81.049 | Office of Science Financial Assistance Program | ENERGY, DEPARTMENT OF | Pass Through | UNIVERSITY OF DELAWARE | 55668 | \$ 170 | \$ - |
| Research and Development Cluster | 81.049 | Office of Science Financial Assistance Program | ENERGY, DEPARTMENT OF | Pass Through | UNIVERSITY OF VIRGINIA | AWD-004247.GR100874 | \$ 39,043 | \$ - |
| Research and Development Cluster | 81.049 | Office of Science Financial Assistance Program | ENERGY, DEPARTMENT OF | Pass Through | STORAGEENERGY | 2021_IUPUI | \$ 1,306 | \$ - |
| Research and Development Cluster | 81.049 | Office of Science Financial Assistance Program | ENERGY, DEPARTMENT OF | Pass Through | FERMI NATIONAL ACCELERATOR LABORATORY | P0021990 | \$ 189,790 | \$ - |
| Research and Development Cluster | 81.049 | Office of Science Financial Assistance Program | ENERGY, DEPARTMENT OF | Pass Through | NEW MEXICO INST OF MINING AND TECHNOLOGY | 21074-1313-06 | \$ 80,728 | \$ - |
| Research and Development Cluster | 81.049 | Office of Science Financial Assistance Program | ENERGY, DEPARTMENT OF | Pass Through | CARNEGIE INSTITUTE OF WASHINGTON | PHASE III PHYSICS LLC | \$ 28,393 | \$ - |
| Research and Development Cluster | 81.049 Total | | | | | | \$ 5,597,023 | \$ 545,131 |
| Research and Development Cluster | 81.089 | Fossil Energy Research and Development | ENERGY, DEPARTMENT OF | Direct | | DE-FE0032365 | \$ 70,498 | \$ - |
| Research and Development Cluster | 81.089 | Fossil Energy Research and Development | ENERGY, DEPARTMENT OF | Pass Through | UNIVERSITY OF ILLINOIS | 106354-18671 | \$ 62,780 | \$ - |
| Research and Development Cluster | 81.089 Total | | | | | | \$ 133,278 | \$ - |
| Research and Development Cluster | 81.117 | Energy Efficiency and Renewable Energy Information Dissemination | ENERGY, DEPARTMENT OF | Direct | | DE-EE0009707 | \$ 311,812 | \$ - |
| Research and Development Cluster | 81.117 Total | | | | | | \$ 311,812 | \$ - |
| Research and Development Cluster | 81.RD | US Department of Energy | ENERGY, DEPARTMENT OF | Pass Through | BROOKHAVEN NATIONAL LABORATORY | 357698 | \$ 17,027 | \$ - |
| Research and Development Cluster | 81.RD | US Department of Energy | ENERGY, DEPARTMENT OF | Pass Through | BROOKHAVEN NATIONAL LABORATORY | 378241 | \$ 1,930 | \$ - |
| Research and Development Cluster | 81.RD | US Department of Energy | ENERGY, DEPARTMENT OF | Pass Through | BROOKHAVEN NATIONAL LABORATORY | 417573 | \$ 46,750 | \$ - |
| Research and Development Cluster | 81.RD | US Department of Energy | ENERGY, DEPARTMENT OF | Pass Through | BROOKHAVEN NATIONAL LABORATORY | 420720 | \$ 208,989 | \$ - |
| Research and Development Cluster | 81.RD | US Department of Energy | ENERGY, DEPARTMENT OF | Pass Through | BROOKHAVEN NATIONAL LABORATORY | 429489 | \$ 67,805 | \$ - |
| Research and Development Cluster | 81.RD | US Department of Energy | ENERGY, DEPARTMENT OF | Pass Through | BROOKHAVEN NATIONAL LABORATORY | 438387 | \$ 29,631 | \$ - |
| Research and Development Cluster | 81.RD | US Department of Energy | ENERGY, DEPARTMENT OF | Pass Through | BROOKHAVEN NATIONAL LABORATORY | 441044 | \$ 30,191 | \$ - |
| Research and Development Cluster | 81.RD | US Department of Energy | ENERGY, DEPARTMENT OF | Pass Through | BROOKHAVEN NATIONAL LABORATORY | 442552 | \$ 4,773 | \$ - |
| Research and Development Cluster | 81.RD | US Department of Energy | ENERGY, DEPARTMENT OF | Pass Through | BROOKHAVEN NATIONAL LABORATORY | 443759 | \$ 9,551 | \$ - |
| Research and Development Cluster | 81.RD | US Department of Energy | ENERGY, DEPARTMENT OF | Pass Through | FERMI NATIONAL ACCELERATOR LABORATORY | 764639 | \$ 50,185 | \$ - |
| Research and Development Cluster | 81.RD | US Department of Energy | ENERGY, DEPARTMENT OF | Pass Through | FERMI NATIONAL ACCELERATOR LABORATORY | 8694335 | \$ 103,871 | \$ - |
| Research and Development Cluster | 81.RD | US Department of Energy | ENERGY, DEPARTMENT OF | Pass Through | FERMI NATIONAL ACCELERATOR LABORATORY | 708371 | \$ 270 | \$ - |
| Research and Development Cluster | 81.RD | US Department of Energy | ENERGY, DEPARTMENT OF | Pass Through | LAWRENCE BERKELEY NATIONAL LABORATORY | 7429400 | \$ (2,370) | \$ - |
| Research and Development Cluster | 81.RD | US Department of Energy | ENERGY, DEPARTMENT OF | Pass Through | LAWRENCE BERKELEY NATIONAL LABORATORY | 7536280 | \$ 33,556 | \$ - |
| Research and Development Cluster | 81.RD | US Department of Energy | ENERGY, DEPARTMENT OF | Pass Through | LAWRENCE BERKELEY NATIONAL LABORATORY | 7539566 | \$ 215,236 | \$ - |
| Research and Development Cluster | 81.RD | US Department of Energy | ENERGY, DEPARTMENT OF | Pass Through | LAWRENCE BERKELEY NATIONAL LABORATORY | 7583024 | \$ 68,686 | \$ - |
| Research and Development Cluster | 81.RD | US Department of Energy | ENERGY, DEPARTMENT OF | Pass Through | LAWRENCE BERKELEY NATIONAL LABORATORY | 7629203 | \$ 25,816 | \$ 11,766 |
| Research and Development Cluster | 81.RD | US Department of Energy | ENERGY, DEPARTMENT OF | Pass Through | LAWRENCE BERKELEY NATIONAL LABORATORY | 7759451 | \$ 33,541 | \$ - |
| Research and Development Cluster | 81.RD | US Department of Energy | ENERGY, DEPARTMENT OF | Pass Through | OAK RIDGE NATIONAL LABORATORY | 4000174379 | \$ 43 | \$ - |
| Research and Development Cluster | 81.RD | US Department of Energy | ENERGY, DEPARTMENT OF | Pass Through | OAK RIDGE NATIONAL LABORATORY | CW44148 | \$ 20,936 | \$ - |
| Research and Development Cluster | 81.RD | US Department of Energy | ENERGY, DEPARTMENT OF | Pass Through | UT-BATTELLE LLC | 4000052291 | \$ 74,481 | \$ - |
| Research and Development Cluster | 81.RD | US Department of Energy | ENERGY, DEPARTMENT OF | Pass Through | UT-BATTELLE LLC | ACW48664 | \$ 56,990 | \$ - |
| Research and Development Cluster | 81.RD | US Department of Energy | ENERGY, DEPARTMENT OF | Pass Through | ARGONNIE NATIONAL LABORATORY | 0F-60092 | \$ (2,763) | \$ - |
| Research and Development Cluster | 81.RD | US Department of Energy | ENERGY, DEPARTMENT OF | Pass Through | ARGONNIE NATIONAL LABORATORY | 1F-60080 | \$ 24,865 | \$ - |
| Research and Development Cluster | 81.RD | US Department of Energy | ENERGY, DEPARTMENT OF | Pass Through | ARGONNIE NATIONAL LABORATORY | 2F-60162 | \$ 70,495 | \$ - |
| Research and Development Cluster | 81.RD | US Department of Energy | ENERGY, DEPARTMENT OF | Pass Through | ARGONNIE NATIONAL LABORATORY | 2F-60243 | \$ 14,108 | \$ - |
| Research and Development Cluster | 81.RD | US Department of Energy | ENERGY, DEPARTMENT OF | Pass Through | ARGONNIE NATIONAL LABORATORY | 2F-60281 | \$ (3,560) | \$ - |
| Research and Development Cluster | 81.RD | US Department of Energy | ENERGY, DEPARTMENT OF | Pass Through | ARGONNIE NATIONAL LABORATORY | 3F-60034 | \$ 71,724 | \$ - |

| Cluster | Assistance Listing Number | ALN Program Title | Federal Agency Highest Level | Direct or Pass Through | Pass Through Entity | Pass Through Identifier/Federal Award ID | Sum of Federal Expenses | Sub-recipient Expenditures |
|----------------------------------|---------------------------|---|--|------------------------|--|--|-------------------------|----------------------------|
| Research and Development Cluster | 81.RD | US Department of Energy | ENERGY, DEPARTMENT OF | Pass Through | ARGONNE NATIONAL LABORATORY | 3F-60052 | \$ 54,700 | \$ - |
| Research and Development Cluster | 81.RD | US Department of Energy | ENERGY, DEPARTMENT OF | Pass Through | ARGONNE NATIONAL LABORATORY | 3F-60113 | \$ 100,077 | \$ - |
| Research and Development Cluster | 81.RD | US Department of Energy | ENERGY, DEPARTMENT OF | Pass Through | UNIVERSITY OF TEXAS AT SAN ANTONIO | 1000003897 | \$ 91,946 | \$ - |
| Research and Development Cluster | 81.RD | US Department of Energy | ENERGY, DEPARTMENT OF | Pass Through | UNIVERSITY OF TEXAS AT SAN ANTONIO | CyManII RFP2-1 | \$ 57,925 | \$ - |
| Research and Development Cluster | 81.RD | US Department of Energy | ENERGY, DEPARTMENT OF | Pass Through | NATIONAL RENEWABLE ENERGY LABORATORY | SUB-2023-10366 | \$ 91,490 | \$ - |
| Research and Development Cluster | 81.RD | US Department of Energy | ENERGY, DEPARTMENT OF | Pass Through | PACIFIC NORTHWEST NATIONAL LABORATORY | 389810 | \$ 7,942 | \$ - |
| Research and Development Cluster | 81.RD | US Department of Energy | ENERGY, DEPARTMENT OF | Pass Through | PACIFIC NORTHWEST NATIONAL LABORATORY | 669058 | \$ 75,523 | \$ - |
| Research and Development Cluster | 81.RD | US Department of Energy | ENERGY, DEPARTMENT OF | Pass Through | PACIFIC NORTHWEST NATIONAL LABORATORY | 729390 | \$ 10,255 | \$ - |
| Research and Development Cluster | 81.RD | US Department of Energy | ENERGY, DEPARTMENT OF | Pass Through | LAWRENCE LIVERMORE NATIONAL LABORATORY | B650402 | \$ 9,877 | \$ - |
| Research and Development Cluster | 81.RD | US Department of Energy | ENERGY, DEPARTMENT OF | Pass Through | TRIAD NATIONAL SECURITY | C3347 | \$ 53,622 | \$ - |
| Research and Development Cluster | 81.RD | US Department of Energy | ENERGY, DEPARTMENT OF | Pass Through | THOMAS JEFFERSON NATIONAL ACCELERATOR FACILITY | 23-M0731 | \$ 911 | \$ - |
| Research and Development Cluster | 81.RD | US Department of Energy | ENERGY, DEPARTMENT OF | Pass Through | THOMAS JEFFERSON NATIONAL ACCELERATOR FACILITY | 24-D0571 | \$ 24,961 | \$ - |
| Research and Development Cluster | 81.RD Total | | | | | | \$ 1,861,981 | \$ 11,766 |
| Research and Development Cluster | 84.022 | Overseas Programs - Doctoral Dissertation Research Abroad | EDUCATION, DEPARTMENT OF | Direct | | P022A220022 | \$ 19,090 | \$ - |
| Research and Development Cluster | 84.022 Total | | | | | | \$ 19,090 | \$ - |
| Research and Development Cluster | 84.031 | Higher Education Institutional Aid | EDUCATION, DEPARTMENT OF | Direct | | P031A220129 | \$ 469,902 | \$ - |
| Research and Development Cluster | 84.031 Total | | | | | | \$ 469,902 | \$ - |
| Research and Development Cluster | 84.215 | Innovative Approaches to Literacy; Promise Neighborhoods; Full-S | EDUCATION, DEPARTMENT OF | Pass Through | JOHN H BONER COMMUNITY CENTER | 184316 | \$ 79,426 | \$ - |
| Research and Development Cluster | 84.215 Total | | | | | | \$ 79,426 | \$ - |
| Research and Development Cluster | 84.305 | Education Research, Development and Dissemination | EDUCATION, DEPARTMENT OF | Direct | | R305N210035 | \$ 389,455 | \$ 58,078 |
| Research and Development Cluster | 84.305 | Education Research, Development and Dissemination | EDUCATION, DEPARTMENT OF | Pass Through | NEW YORK UNIVERSITY | F1434-02 | \$ 11,711 | \$ - |
| Research and Development Cluster | 84.305 | Education Research, Development and Dissemination | EDUCATION, DEPARTMENT OF | Pass Through | UNIVERSITY OF TEXAS AT AUSTIN | UTAU5-SUB00000822 | \$ 35,962 | \$ - |
| Research and Development Cluster | 84.305 Total | | | | | | \$ 437,128 | \$ 58,078 |
| Research and Development Cluster | 84.324 | Research in Special Education | EDUCATION, DEPARTMENT OF | Direct | | R324A230213 | \$ 504,906 | \$ - |
| Research and Development Cluster | 84.324 Total | | | | | | \$ 504,906 | \$ - |
| Research and Development Cluster | 84.365 | English Language Acquisition State Grants | EDUCATION, DEPARTMENT OF | Direct | | TJ3652170226 | \$ 49,921 | \$ - |
| Research and Development Cluster | 84.365 Total | | | | | | \$ 49,921 | \$ - |
| Research and Development Cluster | 84.RD | US Department of Education | EDUCATION, DEPARTMENT OF | Pass Through | GREEN RIVER REGIONAL EDUCATIONAL COOPERATIVE | EIR_Project | \$ 29,427 | \$ - |
| Research and Development Cluster | 84.RD Total | | | | | | \$ 29,427 | \$ - |
| Research and Development Cluster | 93.077 | Family Smoking Prevention and Tobacco Control Act Regulatory Re | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | VANDERBILT UNIVERSITY MEDICAL CENTER | VUMC108702 | \$ 1,960 | \$ - |
| Research and Development Cluster | 93.077 Total | | | | | | \$ 1,960 | \$ - |
| Research and Development Cluster | 93.084 | Prevention of Disease, Disability, and Death by Infectious Diseases | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R56MS129438 | \$ 99,997 | \$ 79,720 |
| Research and Development Cluster | 93.084 | Prevention of Disease, Disability, and Death by Infectious Diseases | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF IOWA | S03823-01 | \$ 63,193 | \$ - |
| Research and Development Cluster | 93.084 Total | | | | | | \$ 363,190 | \$ 79,720 |
| Research and Development Cluster | 93.103 | Food and Drug Administration Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 7R01FD006820-02 | \$ 947,488 | \$ - |
| Research and Development Cluster | 93.103 | Food and Drug Administration Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | U19FD0007110 | \$ 80,193 | \$ - |
| Research and Development Cluster | 93.103 | Food and Drug Administration Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | VANDERBILT UNIVERSITY MEDICAL CENTER | VUMC76677 | \$ 18,943 | \$ - |
| Research and Development Cluster | 93.103 | Food and Drug Administration Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | CUMBERLAND PHARMACEUTICALS | CP11FF-007 | \$ 27,555 | \$ - |
| Research and Development Cluster | 93.103 | Food and Drug Administration Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | QUEEN'S MEDICAL CENTER | 1047026 | \$ 30,604 | \$ - |
| Research and Development Cluster | 93.103 | Food and Drug Administration Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | NEW YORK MEDICAL COLLEGE | 123903*123902 | \$ 4,918 | \$ - |
| Research and Development Cluster | 93.103 Total | | | | | | \$ 1,109,705 | \$ - |
| Research and Development Cluster | 93.110 | Maternal and Child Health Federal Consolidated Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R42MC49149 | \$ 103,018 | \$ - |
| Research and Development Cluster | 93.110 | Maternal and Child Health Federal Consolidated Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | T71MC45699 | \$ 489,579 | \$ - |
| Research and Development Cluster | 93.110 | Maternal and Child Health Federal Consolidated Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | T73MC00015 | \$ 667,269 | \$ - |
| Research and Development Cluster | 93.110 Total | | | | | | \$ 1,259,866 | \$ - |
| Research and Development Cluster | 93.113 | Environmental Health | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1K25E030402 | \$ 248,931 | \$ - |
| Research and Development Cluster | 93.113 | Environmental Health | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01E0209835 | \$ 48,013 | \$ - |
| Research and Development Cluster | 93.113 | Environmental Health | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01E028104 | \$ 109,713 | \$ - |
| Research and Development Cluster | 93.113 | Environmental Health | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | PURDUE UNIVERSITY | 11001143-016 | \$ 21,771 | \$ - |
| Research and Development Cluster | 93.113 | Environmental Health | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF MARYLAND | 11001342-010 | \$ 47,102 | \$ - |
| Research and Development Cluster | 93.113 | Environmental Health | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF MARYLAND | 123330-20568205 | \$ 13,959 | \$ - |
| Research and Development Cluster | 93.113 | Environmental Health | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF MICHIGAN | SUBK00018851 | \$ 136,030 | \$ - |
| Research and Development Cluster | 93.113 | Environmental Health | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF MICHIGAN | SUBK00019685 | \$ 3,516 | \$ - |
| Research and Development Cluster | 93.113 | Environmental Health | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF LOUISVILLE RESEARCH FOUNDATION INC | ULRF_20-0508-02 | \$ 45,052 | \$ - |
| Research and Development Cluster | 93.113 Total | | | | | | \$ 674,087 | \$ - |
| Research and Development Cluster | 93.121 | Oral Diseases and Disorders Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R21DE030561 | \$ 15,288 | \$ - |
| Research and Development Cluster | 93.121 | Oral Diseases and Disorders Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R56DE029195 | \$ 2,549 | \$ - |
| Research and Development Cluster | 93.121 | Oral Diseases and Disorders Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1UG3DE030087 | \$ 16,498 | \$ 11,215 |
| Research and Development Cluster | 93.121 | Oral Diseases and Disorders Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R00DE028585 | \$ 184,361 | \$ - |
| Research and Development Cluster | 93.121 | Oral Diseases and Disorders Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01DE025836 | \$ (1,239) | \$ - |
| Research and Development Cluster | 93.121 | Oral Diseases and Disorders Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01DE030413 | \$ 333,271 | \$ 22,889 |
| Research and Development Cluster | 93.121 | Oral Diseases and Disorders Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01DE031203 | \$ 659,746 | \$ 206,173 |
| Research and Development Cluster | 93.121 | Oral Diseases and Disorders Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01DE032036 | \$ 224,123 | \$ - |
| Research and Development Cluster | 93.121 | Oral Diseases and Disorders Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R03DE032101 | \$ 56,849 | \$ - |
| Research and Development Cluster | 93.121 | Oral Diseases and Disorders Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R15DE031929 | \$ 55,034 | \$ - |
| Research and Development Cluster | 93.121 | Oral Diseases and Disorders Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | U01DE033269 | \$ 351,998 | \$ 31,108 |
| Research and Development Cluster | 93.121 | Oral Diseases and Disorders Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | BOSTON UNIVERSITY | 4500002863 | \$ 1,957 | \$ - |
| Research and Development Cluster | 93.121 | Oral Diseases and Disorders Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | STANFORD UNIVERSITY | 63173253-217366 | \$ 33,236 | \$ - |
| Research and Development Cluster | 93.121 | Oral Diseases and Disorders Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF MARYLAND | 118852-20590201 | \$ 31,690 | \$ - |
| Research and Development Cluster | 93.121 | Oral Diseases and Disorders Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF MICHIGAN | SUBK00017252 | \$ 15,017 | \$ - |
| Research and Development Cluster | 93.121 | Oral Diseases and Disorders Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF MICHIGAN | SUBK00017641 | \$ 287,219 | \$ - |
| Research and Development Cluster | 93.121 | Oral Diseases and Disorders Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF MICHIGAN | SUBK00018322 | \$ (3,951) | \$ - |
| Research and Development Cluster | 93.121 | Oral Diseases and Disorders Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF MICHIGAN | SUBK00021593 | \$ 19,902 | \$ - |
| Research and Development Cluster | 93.121 | Oral Diseases and Disorders Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF MICHIGAN | S128463 | \$ 35,479 | \$ - |
| Research and Development Cluster | 93.121 | Oral Diseases and Disorders Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL | S128477 | \$ 2,728 | \$ - |
| Research and Development Cluster | 93.121 | Oral Diseases and Disorders Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF PENNSYLVANIA | S83562 | \$ 37,719 | \$ - |
| Research and Development Cluster | 93.121 | Oral Diseases and Disorders Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF PITTSBURGH | CNVA00055576 (134310-2) | \$ 82,767 | \$ - |
| Research and Development Cluster | 93.121 | Oral Diseases and Disorders Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF COLORADO DENVER | FY20.530.001 | \$ 381,345 | \$ - |
| Research and Development Cluster | 93.121 | Oral Diseases and Disorders Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | KOVINA THERAPEUTICS, INC | R43DE031495 | \$ 31,158 | \$ - |
| Research and Development Cluster | 93.121 Total | | | | | | \$ 2,845,744 | \$ 271,385 |
| Research and Development Cluster | 93.136 | Injury Prevention and Control Research and State and Community | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | NATIONWIDE CHILDREN'S HOSPITAL | 710053-0723-04 | \$ 12,382 | \$ - |
| Research and Development Cluster | 93.136 Total | | | | | | \$ 39,952 | \$ - |
| Research and Development Cluster | 93.142 | NIEHS Hazardous Waste Worker Health and Safety Training | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | KS AND ASSOCIATES | R42E032642 | \$ 866 | \$ - |
| Research and Development Cluster | 93.142 Total | | | | | | \$ 866 | \$ - |
| Research and Development Cluster | 93.145 | HIV-Related Training and Technical Assistance | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | HEALTH AND HOSPITAL CORPORATION OF MARION COUNTY | 2015-04958-09-00 | \$ 12,168 | \$ - |
| Research and Development Cluster | 93.145 Total | | | | | | \$ 12,168 | \$ - |
| Research and Development Cluster | 93.172 | Human Genome Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01HG010798 | \$ 273,562 | \$ 76,665 |
| Research and Development Cluster | 93.172 | Human Genome Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 7R01HG011633 | \$ 592,253 | \$ - |
| Research and Development Cluster | 93.172 | Human Genome Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | K01HG012408 | \$ 169,762 | \$ - |
| Research and Development Cluster | 93.172 | Human Genome Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R25HG012325 | \$ 109,726 | \$ - |
| Research and Development Cluster | 93.172 | Human Genome Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | U01HG010245 | \$ 1,525,043 | \$ 416,755 |
| Research and Development Cluster | 93.172 | Human Genome Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | CLEVELAND CLINIC | CCF24112784 | \$ 6,972 | \$ - |
| Research and Development Cluster | 93.172 | Human Genome Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | HARVARD UNIVERSITY | 132685-5104587 | \$ 481,077 | \$ - |
| Research and Development Cluster | 93.172 | Human Genome Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | HARVARD UNIVERSITY | 132782-5126673 | \$ 154,787 | \$ - |
| Research and Development Cluster | 93.172 | Human Genome Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF PENNSYLVANIA | S88847 | \$ 6,100 | \$ - |
| Research and Development Cluster | 93.172 | Human Genome Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | YALE UNIVERSITY | CON-80004885(GR122907) | \$ 23,303 | \$ - |
| Research and Development Cluster | 93.172 | Human Genome Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | BROAD INSTITUTE | S001164-5500001674 | \$ 26,162 | \$ - |
| Research and Development Cluster | 93.172 Total | | | | | | \$ 3,370,747 | \$ 493,420 |
| Research and Development Cluster | 93.173 | Research Related to Deafness and Communication Disorders | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1F30DCD018715 | \$ 33,862 | \$ - |

| Cluster | Assistance Listing Number | ALN Program Title | Federal Agency Highest Level | Direct or Pass Through | Pass Through Entity | Pass Through Identifier/Federal Award ID | Sum of Federal Expenses | Sub-recipient Expenditures |
|----------------------------------|---------------------------|---|--|------------------------|---|--|-------------------------|----------------------------|
| Research and Development Cluster | 93.173 | Research Related to Deafness and Communication Disorders | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1K08DC016034 | \$ (90,594) | \$ - |
| Research and Development Cluster | 93.173 | Research Related to Deafness and Communication Disorders | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01DC015788 | \$ 121,571 | \$ 8,188 |
| Research and Development Cluster | 93.173 | Research Related to Deafness and Communication Disorders | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01DC017147 | \$ 122,721 | \$ - |
| Research and Development Cluster | 93.173 | Research Related to Deafness and Communication Disorders | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 2R01DC013294 | \$ 601,103 | \$ - |
| Research and Development Cluster | 93.173 | Research Related to Deafness and Communication Disorders | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 2R01DC014670 | \$ 482,250 | \$ 215,721 |
| Research and Development Cluster | 93.173 | Research Related to Deafness and Communication Disorders | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 2R01DC015799 | \$ 539,420 | \$ - |
| Research and Development Cluster | 93.173 | Research Related to Deafness and Communication Disorders | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01DC013538 | \$ 22,152 | \$ 22,152 |
| Research and Development Cluster | 93.173 | Research Related to Deafness and Communication Disorders | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01DC015495 | \$ 379,606 | \$ - |
| Research and Development Cluster | 93.173 | Research Related to Deafness and Communication Disorders | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01DC016267 | \$ 182,080 | \$ 25,208 |
| Research and Development Cluster | 93.173 | Research Related to Deafness and Communication Disorders | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01DC017147 | \$ 111,831 | \$ 22,130 |
| Research and Development Cluster | 93.173 | Research Related to Deafness and Communication Disorders | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01DC018785 | \$ 568,031 | \$ 144,780 |
| Research and Development Cluster | 93.173 | Research Related to Deafness and Communication Disorders | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01DC019632 | \$ 499,607 | \$ 177,013 |
| Research and Development Cluster | 93.173 | Research Related to Deafness and Communication Disorders | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01DC020574 | \$ 671,787 | \$ 99,380 |
| Research and Development Cluster | 93.173 | Research Related to Deafness and Communication Disorders | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01DC020628 | \$ 516,736 | \$ 45,653 |
| Research and Development Cluster | 93.173 | Research Related to Deafness and Communication Disorders | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01DC021339 | \$ 164,387 | \$ - |
| Research and Development Cluster | 93.173 | Research Related to Deafness and Communication Disorders | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21DC019490 | \$ 104,787 | \$ - |
| Research and Development Cluster | 93.173 | Research Related to Deafness and Communication Disorders | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | CARNEGIE MELLON UNIVERSITY | 1090816-487178*1090718-459985 | \$ 72,705 | \$ - |
| Research and Development Cluster | 93.173 | Research Related to Deafness and Communication Disorders | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | MICHIGAN STATE UNIVERSITY | RC114629IU | \$ 38,045 | \$ - |
| Research and Development Cluster | 93.173 | Research Related to Deafness and Communication Disorders | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | OHIO STATE UNIVERSITY | 60057048-IU/R01DC014956; SPC-100000 | \$ 38,002 | \$ - |
| Research and Development Cluster | 93.173 | Research Related to Deafness and Communication Disorders | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | SYRACUSE UNIVERSITY | 31578-05749-S01 | \$ 3,444 | \$ - |
| Research and Development Cluster | 93.173 | Research Related to Deafness and Communication Disorders | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF DELAWARE | 55633 | \$ 86,208 | \$ - |
| Research and Development Cluster | 93.173 | Research Related to Deafness and Communication Disorders | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF SOUTH FLORIDA | 1219-1068-00-C | \$ (394) | \$ - |
| Research and Development Cluster | 93.173 | Research Related to Deafness and Communication Disorders | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | BOSTON CHILDREN'S HOSPITAL | R01DC017461 | \$ 7,147 | \$ - |
| Research and Development Cluster | 93.173 | Research Related to Deafness and Communication Disorders | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | COMMUNICATION DISORDERS TECHNOLOGY | 171715 | \$ 78,957 | \$ - |
| Research and Development Cluster | 93.173 | Research Related to Deafness and Communication Disorders | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF CENTRAL FLORIDA | GR108175 | \$ 9,437 | \$ - |
| Research and Development Cluster | 93.173 | Research Related to Deafness and Communication Disorders | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF CENTRAL FLORIDA | GR108176 | \$ 17,488 | \$ - |
| Research and Development Cluster | 93.173 Total | | | | | | \$ 5,382,376 | \$ 760,225 |
| Research and Development Cluster | 93.178 | Nursing Workforce Diversity | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | INDIANA CENTER FOR NURSING | needs2b | \$ 53,099 | \$ - |
| Research and Development Cluster | 93.178 Total | | | | | | \$ 53,099 | \$ - |
| Research and Development Cluster | 93.185 | COVID-19 Immunization Research, Demonstration, Public Informa | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | NORTHEASTERN UNIVERSITY | Covid-19, 93.185 | \$ 155,836 | \$ - |
| Research and Development Cluster | 93.185 Total | | | | | | \$ 155,836 | \$ - |
| Research and Development Cluster | 93.211 | Telehealth Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | H2ARH39971 | \$ 261,111 | \$ 155,000 |
| Research and Development Cluster | 93.211 Total | | | | | | \$ 261,111 | \$ 155,000 |
| Research and Development Cluster | 93.213 | Research and Training in Complementary and Integrative Health | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01AT008632-01 | \$ (152) | \$ (152) |
| Research and Development Cluster | 93.213 | Research and Training in Complementary and Integrative Health | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R00AT010012 | \$ 292,204 | \$ - |
| Research and Development Cluster | 93.213 | Research and Training in Complementary and Integrative Health | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01AT011463 | \$ 1,044,936 | \$ - |
| Research and Development Cluster | 93.213 | Research and Training in Complementary and Integrative Health | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | U24AT012602 | \$ 217,834 | \$ 74,453 |
| Research and Development Cluster | 93.213 | Research and Training in Complementary and Integrative Health | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | RESEARCH FOUNDATION STATE UNIVERSITY NEW YORK | R1343910 | \$ 16,903 | \$ - |
| Research and Development Cluster | 93.213 | Research and Training in Complementary and Integrative Health | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF ALABAMA BIRMINGHAM | 000528180-SC005 | \$ 48,629 | \$ - |
| Research and Development Cluster | 93.213 | Research and Training in Complementary and Integrative Health | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | QUEEN'S MEDICAL CENTER | PA-2020-038 | \$ 187,860 | \$ - |
| Research and Development Cluster | 93.213 | Research and Training in Complementary and Integrative Health | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF CALIFORNIA, BERKELEY | 00011030 | \$ 82,760 | \$ - |
| Research and Development Cluster | 93.213 | Research and Training in Complementary and Integrative Health | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | DREXEL UNIVERSITY | 900361-Indiana | \$ 17,257 | \$ - |
| Research and Development Cluster | 93.213 | Research and Training in Complementary and Integrative Health | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | OKLAHOMA STATE UNIVERSITY | 1-502011IU | \$ 51,027 | \$ - |
| Research and Development Cluster | 93.213 | Research and Training in Complementary and Integrative Health | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | OKLAHOMA STATE UNIVERSITY | 1-512543IU | \$ 14,617 | \$ - |
| Research and Development Cluster | 93.213 Total | | | | | | \$ 1,975,875 | \$ 74,301 |
| Research and Development Cluster | 93.226 | Research on Healthcare Costs, Quality and Outcomes | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1K12HS026390 | \$ 161,542 | \$ - |
| Research and Development Cluster | 93.226 | Research on Healthcare Costs, Quality and Outcomes | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01HS027185 | \$ 249,085 | \$ 51,493 |
| Research and Development Cluster | 93.226 | Research on Healthcare Costs, Quality and Outcomes | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01HS028008 | \$ 357,546 | \$ 44,252 |
| Research and Development Cluster | 93.226 | Research on Healthcare Costs, Quality and Outcomes | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R36HS029654-01 | \$ 43,188 | \$ - |
| Research and Development Cluster | 93.226 | Research on Healthcare Costs, Quality and Outcomes | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 7R03HS029688-02 | \$ 62,195 | \$ - |
| Research and Development Cluster | 93.226 | Research on Healthcare Costs, Quality and Outcomes | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01HS028026 | \$ 139,029 | \$ - |
| Research and Development Cluster | 93.226 | Research on Healthcare Costs, Quality and Outcomes | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01HS028001 | \$ 403,058 | \$ 151,775 |
| Research and Development Cluster | 93.226 | Research on Healthcare Costs, Quality and Outcomes | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01HS028636 | \$ 315,991 | \$ 88,383 |
| Research and Development Cluster | 93.226 | Research on Healthcare Costs, Quality and Outcomes | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01HS029088 | \$ 9,545 | \$ - |
| Research and Development Cluster | 93.226 | Research on Healthcare Costs, Quality and Outcomes | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | ANN & ROBERT H LURIE CHILDREN HOSPITAL OF CHI | A24-0007-S001 | \$ 115,851 | \$ - |
| Research and Development Cluster | 93.226 | Research on Healthcare Costs, Quality and Outcomes | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | MEDICAL COLLEGE OF WISCONSIN | FP00024778 | \$ 24,863 | \$ - |
| Research and Development Cluster | 93.226 | Research on Healthcare Costs, Quality and Outcomes | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | PURDUE UNIVERSITY | 11000858-03 | \$ 9,512 | \$ - |
| Research and Development Cluster | 93.226 | Research on Healthcare Costs, Quality and Outcomes | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | PURDUE UNIVERSITY | 11001301-035 | \$ 114,450 | \$ - |
| Research and Development Cluster | 93.226 | Research on Healthcare Costs, Quality and Outcomes | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF FLORIDA | SU080003675 | \$ 122,845 | \$ - |
| Research and Development Cluster | 93.226 | Research on Healthcare Costs, Quality and Outcomes | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF MINNESOTA | N00968802 | \$ 51,790 | \$ - |
| Research and Development Cluster | 93.226 | Research on Healthcare Costs, Quality and Outcomes | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF WISCONSIN | 0000002444*0000002182 | \$ 6,871 | \$ - |
| Research and Development Cluster | 93.226 | Research on Healthcare Costs, Quality and Outcomes | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF WISCONSIN | 0000002513 | \$ (70) | \$ - |
| Research and Development Cluster | 93.226 | Research on Healthcare Costs, Quality and Outcomes | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF WISCONSIN | 0000002776 | \$ 131,126 | \$ - |
| Research and Development Cluster | 93.226 | Research on Healthcare Costs, Quality and Outcomes | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF WISCONSIN | 0000003298 | \$ 24,952 | \$ - |
| Research and Development Cluster | 93.226 Total | | | | | | \$ 2,343,369 | \$ 335,903 |
| Research and Development Cluster | 93.233 | National Center on Sleep Disorders Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1K23HL150299 | \$ 158,581 | \$ - |
| Research and Development Cluster | 93.233 Total | | | | | | \$ 158,581 | \$ - |
| Research and Development Cluster | 93.234 | Traumatic Brain Injury State Demonstration Grant Program | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | INDIANA DEPARTMENT OF HEALTH | 0000000000000000000000072992 | \$ 69,586 | \$ - |
| Research and Development Cluster | 93.234 | Traumatic Brain Injury State Demonstration Grant Program | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | INDIANA DEPARTMENT OF HEALTH | 0000000000000000000000070019 | \$ 211,781 | \$ - |
| Research and Development Cluster | 93.234 Total | | | | | | \$ 281,367 | \$ - |
| Research and Development Cluster | 93.236 | Grants to States to Support Oral Health Workforce Activities | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | T12HP46109 | \$ 449,406 | \$ - |
| Research and Development Cluster | 93.236 Total | | | | | | \$ 449,406 | \$ - |
| Research and Development Cluster | 93.242 | Mental Health Research Grants | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1F30MH122100 | \$ 46,239 | \$ - |
| Research and Development Cluster | 93.242 | Mental Health Research Grants | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1K23MH116808 | \$ (65,961) | \$ - |
| Research and Development Cluster | 93.242 | Mental Health Research Grants | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01MH117431 | \$ 479,400 | \$ - |
| Research and Development Cluster | 93.242 | Mental Health Research Grants | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01MH120588 | \$ 1,346,702 | \$ 655,837 |
| Research and Development Cluster | 93.242 | Mental Health Research Grants | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01MH121978 | \$ 23,819 | \$ - |
| Research and Development Cluster | 93.242 | Mental Health Research Grants | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01MH122843 | \$ 595,351 | \$ - |
| Research and Development Cluster | 93.242 | Mental Health Research Grants | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01MH122957 | \$ 49,586 | \$ - |
| Research and Development Cluster | 93.242 | Mental Health Research Grants | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R21MH121747 | \$ 9,910 | \$ 8,969 |
| Research and Development Cluster | 93.242 | Mental Health Research Grants | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R34MH119411 | \$ 65,263 | \$ - |
| Research and Development Cluster | 93.242 | Mental Health Research Grants | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R61MH119291 | \$ (212) | \$ - |
| Research and Development Cluster | 93.242 | Mental Health Research Grants | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 2732MH103213 | \$ 297,324 | \$ - |
| Research and Development Cluster | 93.242 | Mental Health Research Grants | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 7R01MH110425 | \$ 100,266 | \$ - |
| Research and Development Cluster | 93.242 | Mental Health Research Grants | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01MH110425 | \$ 161,799 | \$ - |
| Research and Development Cluster | 93.242 | Mental Health Research Grants | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01MH110630 | \$ 584,290 | \$ 333,940 |
| Research and Development Cluster | 93.242 | Mental Health Research Grants | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01MH126970 | \$ 515,722 | \$ 166,856 |
| Research and Development Cluster | 93.242 | Mental Health Research Grants | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01MH127170 | \$ 609,363 | \$ 12,523 |
| Research and Development Cluster | 93.242 | Mental Health Research Grants | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21MH126165 | \$ 195,236 | \$ - |
| Research and Development Cluster | 93.242 | Mental Health Research Grants | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21MH1272675 | \$ 606,675 | \$ - |
| Research and Development Cluster | 93.242 | Mental Health Research Grants | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21MH127570 | \$ 131,154 | \$ 86,864 |
| Research and Development Cluster | 93.242 | Mental Health Research Grants | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21MH135251 | \$ 21,678 | \$ - |
| Research and Development Cluster | 93.242 | Mental Health Research Grants | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R34MH133664 | \$ 8,067 | \$ - |
| Research and Development Cluster | 93.242 | Mental Health Research Grants | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R56MH132674 | \$ 276,979 | \$ - |
| Research and Development Cluster | 93.242 | Mental Health Research Grants | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | ARIZONA STATE UNIVERSITY | ASUB00001209 | \$ 6,583 | \$ - |
| Research and Development Cluster | 93.242 | Mental Health Research Grants | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | COLUMBIA UNIVERSITY | F58687 | \$ 366,159 | \$ - |
| Research and Development Cluster | 93.242 | Mental Health Research Grants | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | KAISER FOUNDATION RESEARCH INSTITUTE | RNG210241-BUDG01-UI-00 | \$ 958,628 | \$ 458,090 |
| Research and Development Cluster | 93.242 | Mental Health Research Grants | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | RAND CORPORATION | SCON-0000428 | \$ 14,971 | \$ - |
| Research and Development Cluster | 93.242 | Mental Health Research Grants | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF PITTSBURGH | AWD00003490 (135646-1) | \$ 46,596 | \$ - |
| Research and Development Cluster | 93.242 | Mental Health Research Grants | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF TEXAS AT AUSTIN | UTAU5-SUB00000491 | \$ 23,757 | \$ - |

| Cluster | Assistance Listing Number | ALN Program Title | Federal Agency Highest Level | Direct or Pass Through | Pass Through Entity | Pass Through Identifier/Federal Award ID | Sum of Federal Expenses | Sub-recipient Expenditures |
|----------------------------------|---------------------------|---|--|------------------------|---|--|-------------------------|----------------------------|
| Research and Development Cluster | 93.242 | Mental Health Research Grants | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | BROWN UNIVERSITY | 00001596 | \$ (246) | \$ - |
| Research and Development Cluster | 93.242 | Mental Health Research Grants | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF COLORADO | FP21AO026104 | \$ 88,514 | \$ - |
| Research and Development Cluster | 93.242 | Mental Health Research Grants | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | RESEARCH FOUNDATION CITY UNIVERSITY OF NEW YORK | CM0006501-00 | \$ 66,880 | \$ - |
| Research and Development Cluster | 93.242 | Mental Health Research Grants | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF KANSAS CENTER FOR RESEARCH | FY2024-057 | \$ 14,248 | \$ - |
| Research and Development Cluster | 93.242 | Mental Health Research Grants | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF ROCHESTER | SUB00000556 GR533628 (UR AWD00003 | \$ 29,708 | \$ - |
| Research and Development Cluster | 93.242 | Mental Health Research Grants | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF TEXAS | UTAUUS-SUB00000762 | \$ 66,898 | \$ - |
| Research and Development Cluster | 93.242 | Mental Health Research Grants | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF CENTRAL FLORIDA | GR108366 | \$ 6,459 | \$ - |
| Research and Development Cluster | 93.243 | Substance Abuse and Mental Health Services Projects of Regional | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | INDIANA DEPARTMENT OF HEALTH | 00000000000000000000000058953 | \$ 7,201,815 | \$ 1,723,079 |
| Research and Development Cluster | 93.243 | Occupational Safety and Health Program | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01OH011528 | \$ 28,605 | \$ - |
| Research and Development Cluster | 93.262 | Occupational Safety and Health Program | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF CALIFORNIA, LOS ANGELES | 1930 G 1A116 | \$ 652,056 | \$ 94,219 |
| Research and Development Cluster | 93.262 | Occupational Safety and Health Program | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF PITTSBURGH | AWD00004787 (136999-2) | \$ 3,702 | \$ - |
| Research and Development Cluster | 93.262 | Occupational Safety and Health Program | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | | | \$ 3,765 | \$ - |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1F30AA028687 | \$ 659,523 | \$ 94,219 |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1F31AA028998 | \$ 27,007 | \$ - |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1F31AA029297-01A1 | \$ 2,373 | \$ - |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1K01AA026385 | \$ 34 | \$ - |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1K99AA028265 | \$ 12,849 | \$ - |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01AA026014 | \$ 18,714 | \$ - |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01AA027214 | \$ 441,628 | \$ 287,292 |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01AA027236 | \$ 441,628 | \$ - |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01AA028711 | \$ 201,542 | \$ - |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R21AA029176 | \$ (1,378,705) | \$ - |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1U01AA026103 | \$ (5,178) | \$ - |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1U01AA026817 | \$ 29,675 | \$ - |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1U01AA026917 | \$ 282,402 | \$ 254,174 |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1U24AA026969 | \$ 89,348 | \$ - |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 2R13AA017055 | \$ 1,317,047 | \$ 79,892 |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 2U01AA021840 | \$ 12,361 | \$ - |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 4U03AA026903 | \$ 317,974 | \$ - |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 7R01AA025784 | \$ 50,566 | \$ - |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 7R21AA025157 | \$ 51,622 | \$ - |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | F31AA029273 | \$ (30,964) | \$ - |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | K99AA030828 | \$ 18,461 | \$ - |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | K99AA031067 | \$ 97,397 | \$ - |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | P60AA007611 | \$ 106,947 | \$ - |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01AA024588 | \$ 1,863,306 | \$ 102,063 |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01AA028501 | \$ 86,142 | \$ - |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01AA029396 | \$ 253,205 | \$ 43,593 |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01AA029409 | \$ 438,154 | \$ - |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01AA029607 | \$ 610,443 | \$ - |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01AA029788 | \$ 554,533 | \$ 140,307 |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01AA030312 | \$ 326,106 | \$ - |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01AA030371 | \$ 502,541 | \$ - |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01AA030955 | \$ 436,489 | \$ - |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01AA030993 | \$ 174,635 | \$ - |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21AA029614 | \$ 338,955 | \$ - |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21AA029760 | \$ 100,086 | \$ 21,304 |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21AA030107 | \$ 147,179 | \$ - |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21AA030119 | \$ 172,913 | \$ - |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21AA031370 | \$ 176,406 | \$ - |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | T32AA007462 | \$ 15,265 | \$ - |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | U24AA029970 | \$ 347,804 | \$ - |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | U24AA030169 | \$ 528,078 | \$ 48,288 |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | UH3AA026218 | \$ 168,576 | \$ - |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | BOSTON UNIVERSITY | 4500004712 | \$ 31,370 | \$ 7,122 |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | CLEVELAND CLINIC | 8955-SUB | \$ 4,826 | \$ - |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | OHIO STATE UNIVERSITY | SPC-1000013566 GR136264 | \$ 38,570 | \$ - |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | RAND CORPORATION | 9920190086 | \$ 41,270 | \$ - |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | RESEARCH FOUNDATION STATE UNIVERSITY NEW YORK | 100-1009189-85979 | \$ (21,342) | \$ - |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | RESEARCH FOUNDATION STATE UNIVERSITY NEW YORK | 100-1171519-92823 | \$ 1,665,823 | \$ - |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | TEXAS A&M UNIVERSITY | M2302663 | \$ 14,121 | \$ - |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION | 3200003576-21-151 | \$ 28,403 | \$ - |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | WAYNE STATE UNIVERSITY | WSU24058 | \$ 14,260 | \$ - |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF SOUTH CAROLINA | Z1-4457 PO#2000058172 | \$ 12,164 | \$ - |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | AMYGDALA NEUROSCIENCES, INC. | | \$ 18,688 | \$ - |
| Research and Development Cluster | 93.273 | Alcohol Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | | | \$ 40,369 | \$ - |
| Research and Development Cluster | 93.279 | Drug Abuse and Addiction Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01DA043654 | \$ 11,236,291 | \$ 984,035 |
| Research and Development Cluster | 93.279 | Drug Abuse and Addiction Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01DA039764 | \$ 70,937 | \$ - |
| Research and Development Cluster | 93.279 | Drug Abuse and Addiction Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01DA042737 | \$ 2,020 | \$ - |
| Research and Development Cluster | 93.279 | Drug Abuse and Addiction Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01DA043982 | \$ (7,816) | \$ - |
| Research and Development Cluster | 93.279 | Drug Abuse and Addiction Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01DA046196 | \$ (1,279) | \$ - |
| Research and Development Cluster | 93.279 | Drug Abuse and Addiction Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01DA047858 | \$ 377,671 | \$ - |
| Research and Development Cluster | 93.279 | Drug Abuse and Addiction Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01DA048012 | \$ 295,806 | \$ - |
| Research and Development Cluster | 93.279 | Drug Abuse and Addiction Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01DA048042 | \$ 449,967 | \$ - |
| Research and Development Cluster | 93.279 | Drug Abuse and Addiction Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01DA048042 | \$ 103,031 | \$ 82,933 |
| Research and Development Cluster | 93.279 | Drug Abuse and Addiction Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R21DA046085 | \$ 37,357 | \$ - |
| Research and Development Cluster | 93.279 | Drug Abuse and Addiction Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1UG3DA050923 | \$ 2,054 | \$ - |
| Research and Development Cluster | 93.279 | Drug Abuse and Addiction Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | Z732DA024628 | \$ 212,603 | \$ - |
| Research and Development Cluster | 93.279 | Drug Abuse and Addiction Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 4R33DA045808 | \$ 160,751 | \$ 147,249 |
| Research and Development Cluster | 93.279 | Drug Abuse and Addiction Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 7K01DA042828 | \$ (8,012) | \$ - |
| Research and Development Cluster | 93.279 | Drug Abuse and Addiction Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | K23DA055210 | \$ 137,721 | \$ - |
| Research and Development Cluster | 93.279 | Drug Abuse and Addiction Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | P30DA056410 | \$ 1,604,293 | \$ 31,812 |
| Research and Development Cluster | 93.279 | Drug Abuse and Addiction Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01DA053722 | \$ 679,213 | \$ 38,499 |
| Research and Development Cluster | 93.279 | Drug Abuse and Addiction Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01DA053746 | \$ 378,152 | \$ - |
| Research and Development Cluster | 93.279 | Drug Abuse and Addiction Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01DA059026 | \$ 328,559 | \$ 6,918 |
| Research and Development Cluster | 93.279 | Drug Abuse and Addiction Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01DA059321 | \$ 405,692 | \$ 63,370 |
| Research and Development Cluster | 93.279 | Drug Abuse and Addiction Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R03DA054335 | \$ 54,447 | \$ - |
| Research and Development Cluster | 93.279 | Drug Abuse and Addiction Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R03DA056797 | \$ 158,792 | \$ - |
| Research and Development Cluster | 93.279 | Drug Abuse and Addiction Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21DA056825 | \$ 203,030 | \$ 54,000 |
| Research and Development Cluster | 93.279 | Drug Abuse and Addiction Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R34DA055304 | \$ 228,320 | \$ - |
| Research and Development Cluster | 93.279 | Drug Abuse and Addiction Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R34DA058162 | \$ 145,539 | \$ - |
| Research and Development Cluster | 93.279 | Drug Abuse and Addiction Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R61DA057660 | \$ 777,426 | \$ 154,531 |
| Research and Development Cluster | 93.279 | Drug Abuse and Addiction Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R61DA059948 | \$ 245,676 | \$ 31,879 |
| Research and Development Cluster | 93.279 | Drug Abuse and Addiction Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | U01DA056242 | \$ 1,275,963 | \$ 216,165 |
| Research and Development Cluster | 93.279 | Drug Abuse and Addiction Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | UG1DA050070 | \$ 821,494 | \$ 76,674 |
| Research and Development Cluster | 93.279 | Drug Abuse and Addiction Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | MEDICAL UNIVERSITY OF SOUTH CAROLINA | A22-0064-5002 | \$ 24,731 | \$ - |
| Research and Development Cluster | 93.279 | Drug Abuse and Addiction Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | MICHIGAN STATE UNIVERSITY | RC1118144 | \$ (243) | \$ - |
| Research and Development Cluster | 93.279 | Drug Abuse and Addiction Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | NEW YORK UNIVERSITY | F2199-02 | \$ 18,925 | \$ - |
| Research and Development Cluster | 93.279 | Drug Abuse and Addiction Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | NORTHEASTERN UNIVERSITY | 500849-78053 | \$ 121,313 | \$ - |
| Research and Development Cluster | 93.279 | Drug Abuse and Addiction Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF ARIZONA | 732734 | \$ 10,174 | \$ - |
| Research and Development Cluster | 93.279 | Drug Abuse and Addiction Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF FLORIDA | SUB00003535 | \$ 15,753 | \$ - |
| Research and Development Cluster | 93.279 | Drug Abuse and Addiction Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF GEORGIA | SUB000002048 | \$ 127,982 | \$ - |

Fiscal Year Ended June 30, 2024 Schedule of Expenditures of Federal Awards for Indiana University

| Cluster | Assistance Listing Number | ALN Program Title | Federal Agency Highest Level | Direct or Pass Through | Pass Through Entity | Pass Through Identifier/Federal Award ID | Sum of Federal Expenses | Sub-recipient Expenditures |
|----------------------------------|---------------------------|--|--|------------------------|---|--|-------------------------|----------------------------|
| Research and Development Cluster | 93.279 | Drug Abuse and Addiction Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION | 3200002706-20-139 | \$ 15,958 | \$ - |
| Research and Development Cluster | 93.279 | Drug Abuse and Addiction Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER HOUSTON | 0014744A | \$ 100,369 | \$ - |
| Research and Development Cluster | 93.279 | Drug Abuse and Addiction Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | WASHINGTON UNIVERSITY | WU-21-0470 | \$ 203,233 | \$ - |
| Research and Development Cluster | 93.279 | Drug Abuse and Addiction Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | BROWN UNIVERSITY | 00001993 | \$ 60,787 | \$ - |
| Research and Development Cluster | 93.279 | Drug Abuse and Addiction Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | NEMALIFE INC | 1002 | \$ 11 | \$ - |
| Research and Development Cluster | 93.279 | Drug Abuse and Addiction Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF ROCHESTER | SUB00000434/URFAO:GR532913 | \$ 100,558 | \$ - |
| Research and Development Cluster | 93.279 | Drug Abuse and Addiction Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF SOUTH CAROLINA | 22-4551 | \$ 96,016 | \$ - |
| Research and Development Cluster | 93.279 | Drug Abuse and Addiction Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | RESCUE BIOMEDICAL, LLC | 2022-0121 | \$ 8,101 | \$ - |
| Research and Development Cluster | 93.279 | Drug Abuse and Addiction Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | RELATE XR LLC | R41DA055405 | \$ 23,484 | \$ - |
| Research and Development Cluster | 93.279 | Drug Abuse and Addiction Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF CALIFORNIA, IRVINE | 2023-2069 | \$ 133,796 | \$ - |
| Research and Development Cluster | 93.279 | Drug Abuse and Addiction Research Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | NATIONAL DEVELOPMENT AND RESEARCH INSTITUTES INC. | S670-IUJMSL-01 | \$ 36,054 | \$ - |
| Research and Development Cluster | 93.279 Total | | | | | | \$ 10,236,299 | \$ 904,030 |
| Research and Development Cluster | 93.286 | Discovery and Applied Research for Technological Innovations to | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01EB027119 | \$ 149,208 | \$ 26,180 |
| Research and Development Cluster | 93.286 | Discovery and Applied Research for Technological Innovations to | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01EB025272 | \$ 444 | \$ 444 |
| Research and Development Cluster | 93.286 | Discovery and Applied Research for Technological Innovations to | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01EB030896 | \$ 136,489 | \$ 96,300 |
| Research and Development Cluster | 93.286 | Discovery and Applied Research for Technological Innovations to | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R25EB031389 | \$ 47,647 | \$ - |
| Research and Development Cluster | 93.286 | Discovery and Applied Research for Technological Innovations to | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 2R01EB027585 | \$ 298,705 | \$ 32,255 |
| Research and Development Cluster | 93.286 | Discovery and Applied Research for Technological Innovations to | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21EB034938 | \$ 231,051 | \$ - |
| Research and Development Cluster | 93.286 | Discovery and Applied Research for Technological Innovations to | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | EMORY UNIVERSITY | AB85711 | \$ 2,093 | \$ - |
| Research and Development Cluster | 93.286 | Discovery and Applied Research for Technological Innovations to | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | JOHNS HOPKINS UNIVERSITY | 2006033017 | \$ 70,381 | \$ - |
| Research and Development Cluster | 93.286 | Discovery and Applied Research for Technological Innovations to | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF NOTRE DAME | 203601IU | \$ 3,599 | \$ - |
| Research and Development Cluster | 93.286 | Discovery and Applied Research for Technological Innovations to | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF WASHINGTON | UWSC11542 | \$ 38,251 | \$ - |
| Research and Development Cluster | 93.286 | Discovery and Applied Research for Technological Innovations to | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | VANDERBILT UNIVERSITY | OSA00000008 | \$ 135,467 | \$ - |
| Research and Development Cluster | 93.286 | Discovery and Applied Research for Technological Innovations to | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | FLORIDA A & M UNIVERSITY | C-5158 | \$ 187,754 | \$ - |
| Research and Development Cluster | 93.300 Total | National Center for Health Workforce Analysis | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF MINNESOTA | P010074157 | \$ 1,301,089 | \$ 155,179 |
| Research and Development Cluster | 93.300 | | | | | | \$ 95,200 | \$ - |
| Research and Development Cluster | 93.300 | | | | | | \$ 95,200 | \$ - |
| Research and Development Cluster | 93.307 | Minority Health and Health Disparities Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R13MD018938-01 | \$ 43,346 | \$ - |
| Research and Development Cluster | 93.307 | Minority Health and Health Disparities Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | K01MD018455 | \$ 60,071 | \$ - |
| Research and Development Cluster | 93.307 | Minority Health and Health Disparities Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | K23MD018090 | \$ 174,123 | \$ - |
| Research and Development Cluster | 93.307 | Minority Health and Health Disparities Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | K99MD019060 | \$ 71,844 | \$ - |
| Research and Development Cluster | 93.307 | Minority Health and Health Disparities Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01MD017961 | \$ 653,017 | \$ 126,062 |
| Research and Development Cluster | 93.307 | Minority Health and Health Disparities Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | MASSACHUSETTS GENERAL HOSPITAL | Z23714 | \$ (4,661) | \$ - |
| Research and Development Cluster | 93.307 | Minority Health and Health Disparities Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | PENNSYLVANIA STATE UNIVERSITY | IUMD017046 | \$ 20,515 | \$ - |
| Research and Development Cluster | 93.307 | Minority Health and Health Disparities Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL | 5126611 | \$ 12,493 | \$ - |
| Research and Development Cluster | 93.307 | Minority Health and Health Disparities Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | YALE UNIVERSITY | GR110625 (CON-80002672) | \$ 68,682 | \$ - |
| Research and Development Cluster | 93.307 | Minority Health and Health Disparities Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | BROWN UNIVERSITY | 00002341 | \$ 172,432 | \$ 53,864 |
| Research and Development Cluster | 93.307 Total | | | | | | \$ 1,271,862 | \$ 179,926 |
| Research and Development Cluster | 93.310 | Trans-NIH Research Support | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1OT2D0033756-01 | \$ 1,723,078 | \$ 508,309 |
| Research and Development Cluster | 93.310 | Trans-NIH Research Support | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01AR078663 | \$ 387,065 | \$ - |
| Research and Development Cluster | 93.310 | Trans-NIH Research Support | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R03TR003350 | \$ 446 | \$ - |
| Research and Development Cluster | 93.310 | Trans-NIH Research Support | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 7U01GM132366-06 | \$ 161,646 | \$ - |
| Research and Development Cluster | 93.310 | Trans-NIH Research Support | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | CARNEGIE MELLON UNIVERSITY | 1090656-436645 | \$ 113,580 | \$ - |
| Research and Development Cluster | 93.310 | Trans-NIH Research Support | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | OREGON HEALTH & SCIENCE UNIVERSITY | 1090658-INDIANA | \$ 92,081 | \$ - |
| Research and Development Cluster | 93.310 | Trans-NIH Research Support | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | OREGON HEALTH & SCIENCE UNIVERSITY | 1023219_IU | \$ 185,464 | \$ - |
| Research and Development Cluster | 93.310 | Trans-NIH Research Support | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | PURDUE UNIVERSITY | 11000900-008 | \$ 104,197 | \$ - |
| Research and Development Cluster | 93.310 | Trans-NIH Research Support | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF CHICAGO | AWD102706 (SUB00000646) | \$ (2,882) | \$ - |
| Research and Development Cluster | 93.310 | Trans-NIH Research Support | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF FLORIDA | SUB00003313 | \$ 100,488 | \$ - |
| Research and Development Cluster | 93.310 | Trans-NIH Research Support | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF PITTSBURGH | AWD00004814 (136877-3) | \$ 539,592 | \$ - |
| Research and Development Cluster | 93.310 | Trans-NIH Research Support | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | WU-23-0284 | WU-23-0284 | \$ 437,106 | \$ - |
| Research and Development Cluster | 93.310 | Trans-NIH Research Support | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | YALE UNIVERSITY | CON-80004711 (GR122205) | \$ 87,175 | \$ - |
| Research and Development Cluster | 93.310 | Trans-NIH Research Support | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | CEDARS-SINAI MEDICAL CENTER | 1828485^1914307 | \$ 58,656 | \$ - |
| Research and Development Cluster | 93.310 | Trans-NIH Research Support | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | MOREHOUSE SCHOOL OF MEDICINE | CEC-IND-001 | \$ 29,069 | \$ - |
| Research and Development Cluster | 93.310 Total | | | | | | \$ 4,016,761 | \$ 508,309 |
| Research and Development Cluster | 93.323 | Epidemiology and Laboratory Capacity for Infectious Diseases (ELC) | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF WASHINGTON | IUWSC15251 | \$ 55,811 | \$ - |
| Research and Development Cluster | 93.323 Total | | | | | | \$ 55,811 | \$ - |
| Research and Development Cluster | 93.350 | National Center for Advancing Translational Sciences | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1KL2TR002530 | \$ 68,230 | \$ 39,182 |
| Research and Development Cluster | 93.350 | National Center for Advancing Translational Sciences | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1TL1TR002531 | \$ 13,784 | \$ 17,193 |
| Research and Development Cluster | 93.350 | National Center for Advancing Translational Sciences | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | K12TR004415 | \$ 663,469 | \$ 245,280 |
| Research and Development Cluster | 93.350 | National Center for Advancing Translational Sciences | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R03TR004608 | \$ 17,267 | \$ - |
| Research and Development Cluster | 93.350 | National Center for Advancing Translational Sciences | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R25TR004387 | \$ 10,553 | \$ - |
| Research and Development Cluster | 93.350 | National Center for Advancing Translational Sciences | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | UL1TR002529 | \$ 94,125 | \$ 40,938 |
| Research and Development Cluster | 93.350 | National Center for Advancing Translational Sciences | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | UM1TR004402 | \$ 5,023,020 | \$ 1,631,142 |
| Research and Development Cluster | 93.350 | National Center for Advancing Translational Sciences | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | PURDUE UNIVERSITY | 11001321-035 | \$ 11,326 | \$ - |
| Research and Development Cluster | 93.350 | National Center for Advancing Translational Sciences | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF PITTSBURGH | AWD00006168 (138333-1) | \$ 254,799 | \$ - |
| Research and Development Cluster | 93.350 | National Center for Advancing Translational Sciences | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | VANDERBILT UNIVERSITY MEDICAL CENTER | VUMC116945 | \$ 25,177 | \$ - |
| Research and Development Cluster | 93.350 | National Center for Advancing Translational Sciences | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | VANDERBILT UNIVERSITY MEDICAL CENTER | VUMC62798 | \$ 5,738 | \$ - |
| Research and Development Cluster | 93.350 | COVID-19 National Center for Advancing Translational Sciences | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | MEDICAL COLLEGE OF WISCONSIN | Covid-19_93.350 | \$ 13,110 | \$ - |
| Research and Development Cluster | 93.350 Total | | | | | | \$ 6,200,607 | \$ 1,973,735 |
| Research and Development Cluster | 93.351 | Research Infrastructure Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1S100D032431-01A1 | \$ 1,199,974 | \$ - |
| Research and Development Cluster | 93.351 | Research Infrastructure Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 2P40OD010949 | \$ 503,158 | \$ - |
| Research and Development Cluster | 93.351 | Research Infrastructure Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 2P40OD018537 | \$ 3,141,089 | \$ - |
| Research and Development Cluster | 93.351 | Research Infrastructure Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | P40OD010949 | \$ 150,812 | \$ - |
| Research and Development Cluster | 93.351 | Research Infrastructure Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | S100D032191 | \$ (4) | \$ - |
| Research and Development Cluster | 93.351 | Research Infrastructure Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | ARIZONA STATE UNIVERSITY | AGSUB00000538 | \$ 173,485 | \$ - |
| Research and Development Cluster | 93.351 | Research Infrastructure Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | HARVARD UNIVERSITY | 150821.5119435.0002 | \$ 8,890 | \$ - |
| Research and Development Cluster | 93.351 | Research Infrastructure Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF MINNESOTA | A00940101 | \$ 42,844 | \$ - |
| Research and Development Cluster | 93.351 | Research Infrastructure Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF KANSAS CENTER FOR RESEARCH | FY2023-079 | \$ 67,104 | \$ - |
| Research and Development Cluster | 93.351 Total | | | | | | \$ 5,287,352 | \$ - |
| Research and Development Cluster | 93.353 | 21st Century Cures Act - Beau Biden Cancer Moonshot | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | MAYO CLINIC, ROCHESTER | THE-247007/PO#66315158 | \$ 8,118 | \$ - |
| Research and Development Cluster | 93.353 | 21st Century Cures Act - Beau Biden Cancer Moonshot | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | PURDUE UNIVERSITY | 11001337-026 | \$ 27,611 | \$ - |
| Research and Development Cluster | 93.353 | 21st Century Cures Act - Beau Biden Cancer Moonshot | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF TEXAS MD ANDERSON CANCER CENTER | 3002248783 | \$ 72,276 | \$ - |
| Research and Development Cluster | 93.353 Total | | | | | | \$ 355,005 | \$ - |
| Research and Development Cluster | 93.361 | Nursing Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01NR018162 | \$ 613,484 | \$ 6,772 |
| Research and Development Cluster | 93.361 | Nursing Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01NR019190 | \$ 329,627 | \$ 92,316 |
| Research and Development Cluster | 93.361 | Nursing Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R21NR017777 | \$ 122,163 | \$ 104,616 |
| Research and Development Cluster | 93.361 | Nursing Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1T32NR018407 | \$ 279,046 | \$ - |
| Research and Development Cluster | 93.361 | Nursing Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | F31NR020758 | \$ 33,858 | \$ - |
| Research and Development Cluster | 93.361 | Nursing Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | K99NR020377 | \$ 156,637 | \$ - |
| Research and Development Cluster | 93.361 | Nursing Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21NR019348 | \$ 168,937 | \$ 6,526 |
| Research and Development Cluster | 93.361 | Nursing Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R61NR020845 | \$ 767,743 | \$ 229,997 |
| Research and Development Cluster | 93.361 | Nursing Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | JOHNS HOPKINS UNIVERSITY | 2005424090 | \$ 92,692 | \$ - |
| Research and Development Cluster | 93.361 | Nursing Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | PROBARI, INC | R43NR020775 | \$ 28,623 | \$ - |
| Research and Development Cluster | 93.361 Total | | | | | | \$ 2,592,810 | \$ 440,227 |
| Research and Development Cluster | 93.391 | Activities to Support State, Tribal, Local and Territorial (STLT) Health | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | INDIANA DEPARTMENT OF HEALTH | 00000000000000000000059257 | \$ 200,964 | \$ - |
| Research and Development Cluster | 93.391 Total | | | | | | \$ 200,964 | \$ - |
| Research and Development Cluster | 93.393 | Cancer Cause and Prevention Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01CA204121 | \$ (83) | \$ - |
| Research and Development Cluster | 93.393 | Cancer Cause and Prevention Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01CA241143-01A1 | \$ 648,249 | \$ 463,258 |
| Research and Development Cluster | 93.393 | Cancer Cause and Prevention Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 2R01CA157823 | \$ 1,009,431 | \$ 506,321 |
| Research and Development Cluster | 93.393 | Cancer Cause and Prevention Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01CA255480 | \$ 554,104 | \$ 283,309 |
| Research and Development Cluster | 93.393 | Cancer Cause and Prevention Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01CA262623 | \$ 336,573 | \$ - |
| Research and Development Cluster | 93.393 | Cancer Cause and Prevention Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01CA276659 | \$ 598,556 | \$ 63,709 |

| Cluster | Assistance Listing Number | ALN Program Title | Federal Agency Highest Level | Direct or Pass Through | Pass Through Entity | Pass Through Identifier/Federal Award ID | Sum of Federal Expenses | Sub-recipient Expenditures |
|----------------------------------|---------------------------|---|--|------------------------|---|--|-------------------------|----------------------------|
| Research and Development Cluster | 93.393 | Cancer Cause and Prevention Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | ECOG-ACRIN CANCER RESEARCH GROUP | EA1151 | \$ 278 | \$ - |
| Research and Development Cluster | 93.393 | Cancer Cause and Prevention Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | MAYO CLINIC, ROCHESTER | PO#69408353 | \$ 4,423 | \$ - |
| Research and Development Cluster | 93.393 | Cancer Cause and Prevention Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | NEW YORK UNIVERSITY | 20-AI-00-1003702 | \$ 9,153 | \$ - |
| Research and Development Cluster | 93.393 | Cancer Cause and Prevention Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | PENNSYLVANIA STATE UNIVERSITY | IUCA222648 | \$ 68,767 | \$ - |
| Research and Development Cluster | 93.393 | Cancer Cause and Prevention Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | RAND CORPORATION | SCON-00000625 | \$ 35,768 | \$ - |
| Research and Development Cluster | 93.393 | Cancer Cause and Prevention Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF FLORIDA | SUB00003663 | \$ 23,980 | \$ - |
| Research and Development Cluster | 93.393 | Cancer Cause and Prevention Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF MICHIGAN | SUBK00014891 | \$ 19,981 | \$ - |
| Research and Development Cluster | 93.393 | Cancer Cause and Prevention Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF PENNSYLVANIA | 584733 | \$ 23,778 | \$ - |
| Research and Development Cluster | 93.393 | Cancer Cause and Prevention Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF PITTSBURGH | AWD0002381(134604-1) | \$ 323,457 | \$ - |
| Research and Development Cluster | 93.393 | Cancer Cause and Prevention Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF SOUTHERN CALIFORNIA | SCON-00004344 | \$ 16,149 | \$ - |
| Research and Development Cluster | 93.393 | Cancer Cause and Prevention Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | MAYO CLINIC, JACKSONVILLE | IND-294275; PO#P000229414 | \$ 36,921 | \$ - |
| Research and Development Cluster | 93.393 | Cancer Cause and Prevention Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | KOVINA THERAPEUTICS, INC | | \$ 233,287 | \$ - |
| Research and Development Cluster | 93.393 | Cancer Cause and Prevention Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | KOVINA THERAPEUTICS, INC | R42CA268137 | \$ (3,464) | \$ - |
| Research and Development Cluster | 93.393 Total | | | | | | \$ 3,939,308 | \$ 1,316,597 |
| Research and Development Cluster | 93.394 | Cancer Detection and Diagnosis Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R101CA202695 | \$ 299,111 | \$ - |
| Research and Development Cluster | 93.394 | Cancer Detection and Diagnosis Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R137CA262238-01 | \$ 682,529 | \$ - |
| Research and Development Cluster | 93.394 | Cancer Detection and Diagnosis Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01CA258994 | \$ 474,093 | \$ 17,000 |
| Research and Development Cluster | 93.394 | Cancer Detection and Diagnosis Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21CA264339 | \$ 192,417 | \$ 5,881 |
| Research and Development Cluster | 93.394 | Cancer Detection and Diagnosis Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | U01CA239522 | \$ 635,978 | \$ 248,824 |
| Research and Development Cluster | 93.394 | Cancer Detection and Diagnosis Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | U24CA279629 | \$ 358,179 | \$ 107,415 |
| Research and Development Cluster | 93.394 | Cancer Detection and Diagnosis Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | CEDARS-SINAI MEDICAL CENTER | 0002119314 | \$ 102,792 | \$ - |
| Research and Development Cluster | 93.394 | Cancer Detection and Diagnosis Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | MAYO CLINIC, JACKSONVILLE | INU-272738; PO#69121162 | \$ 4,890 | \$ - |
| Research and Development Cluster | 93.394 | Cancer Detection and Diagnosis Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER | PO# 000003050 GMO230705 | \$ 46,780 | \$ - |
| Research and Development Cluster | 93.394 Total | | | | | | \$ 2,795,769 | \$ 379,120 |
| Research and Development Cluster | 93.395 | Cancer Treatment Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R101CA230542 | \$ 34,792 | \$ 12,225 |
| Research and Development Cluster | 93.395 | Cancer Treatment Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01CA231267 | \$ 36,474 | \$ - |
| Research and Development Cluster | 93.395 | Cancer Treatment Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R101CA235632 | \$ 935,825 | \$ 601,830 |
| Research and Development Cluster | 93.395 | Cancer Treatment Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R101CA247370 | \$ 639,633 | \$ 128,452 |
| Research and Development Cluster | 93.395 | Cancer Treatment Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R101CA257430-01A1 | \$ 520,784 | \$ - |
| Research and Development Cluster | 93.395 | Cancer Treatment Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | ZR01CA167291 | \$ 103,250 | \$ - |
| Research and Development Cluster | 93.395 | Cancer Treatment Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | ZR01CA203737 | \$ 401,992 | \$ - |
| Research and Development Cluster | 93.395 | Cancer Treatment Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | ZR01CA221158 | \$ 90,174 | \$ - |
| Research and Development Cluster | 93.395 | Cancer Treatment Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01CA224493 | \$ 71,963 | \$ - |
| Research and Development Cluster | 93.395 | Cancer Treatment Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01CA254110 | \$ 386,704 | \$ 85,426 |
| Research and Development Cluster | 93.395 | Cancer Treatment Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01CA260274 | \$ 446,990 | \$ - |
| Research and Development Cluster | 93.395 | Cancer Treatment Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01CA264471 | \$ 514,874 | \$ - |
| Research and Development Cluster | 93.395 | Cancer Treatment Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01CA266699 | \$ 453,389 | \$ - |
| Research and Development Cluster | 93.395 | Cancer Treatment Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01CA276680 | \$ 380,251 | \$ - |
| Research and Development Cluster | 93.395 | Cancer Treatment Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01CA282478 | \$ 429,082 | \$ - |
| Research and Development Cluster | 93.395 | Cancer Treatment Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01CA282917 | \$ 487,883 | \$ - |
| Research and Development Cluster | 93.395 | Cancer Treatment Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01CA286090 | \$ 105,794 | \$ - |
| Research and Development Cluster | 93.395 | Cancer Treatment Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01CA289486 | \$ 4,778 | \$ - |
| Research and Development Cluster | 93.395 | Cancer Treatment Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21CA263239 | \$ 5,132 | \$ - |
| Research and Development Cluster | 93.395 | Cancer Treatment Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21CA263470 | \$ 157,834 | \$ - |
| Research and Development Cluster | 93.395 | Cancer Treatment Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21CA264257 | \$ 149,425 | \$ - |
| Research and Development Cluster | 93.395 | Cancer Treatment Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21CA270913 | \$ 170,700 | \$ 4,837 |
| Research and Development Cluster | 93.395 | Cancer Treatment Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | U01CA278474 | \$ 470,588 | \$ - |
| Research and Development Cluster | 93.395 | Cancer Treatment Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | CASE WESTERN RESERVE UNIVERSITY | RESS114401 | \$ 161,502 | \$ - |
| Research and Development Cluster | 93.395 | Cancer Treatment Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | CORNELL UNIVERSITY | 139860-21374 | \$ (800) | \$ - |
| Research and Development Cluster | 93.395 | Cancer Treatment Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | ECOG-ACRIN CANCER RESEARCH GROUP | SU10CA180820-11-NU1C | \$ 452 | \$ - |
| Research and Development Cluster | 93.395 | Cancer Treatment Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | ECOG-ACRIN CANCER RESEARCH GROUP | U10CA180820-06-NU1A | \$ 20,010 | \$ - |
| Research and Development Cluster | 93.395 | Cancer Treatment Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | OHIO STATE UNIVERSITY | SPC-1000011385 GR130911 | \$ 83,714 | \$ - |
| Research and Development Cluster | 93.395 | Cancer Treatment Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | OREGON HEALTH & SCIENCE UNIVERSITY | 1013080 INDIANA | \$ 13,497 | \$ - |
| Research and Development Cluster | 93.395 | Cancer Treatment Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | PUBLIC HEALTH INSTITUTE | AR66245 | \$ 1,398 | \$ - |
| Research and Development Cluster | 93.395 | Cancer Treatment Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | PURDUE UNIVERSITY | 11001296-030 | \$ 139,234 | \$ - |
| Research and Development Cluster | 93.395 | Cancer Treatment Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | RESEARCH FOUNDATION STATE UNIVERSITY NEW YORK | 87976/2/1160979 | \$ 35,088 | \$ - |
| Research and Development Cluster | 93.395 | Cancer Treatment Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY AT BUFFALO - SUNY | R1275690 | \$ 306 | \$ - |
| Research and Development Cluster | 93.395 | Cancer Treatment Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF ALABAMA BIRMINGHAM | 000522645-SC001 | \$ 567 | \$ - |
| Research and Development Cluster | 93.395 | Cancer Treatment Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN | 091166-17052 | \$ 34,750 | \$ - |
| Research and Development Cluster | 93.395 | Cancer Treatment Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF MARYLAND | 133569-20713202 | \$ 8,056 | \$ - |
| Research and Development Cluster | 93.395 | Cancer Treatment Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF MARYLAND | 88899-20302202 | \$ 173,675 | \$ - |
| Research and Development Cluster | 93.395 | Cancer Treatment Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF NOTRE DAME | 2038691USM | \$ 37,490 | \$ - |
| Research and Development Cluster | 93.395 | Cancer Treatment Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF TEXAS MD ANDERSON CANCER CENTER | 3002195619 | \$ 66,773 | \$ - |
| Research and Development Cluster | 93.395 | Cancer Treatment Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | WAYNE STATE UNIVERSITY | WSU21035 | \$ 117,704 | \$ - |
| Research and Development Cluster | 93.395 | Cancer Treatment Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | ABALONE BIO | 188262 | \$ 249,596 | \$ - |
| Research and Development Cluster | 93.395 | Cancer Treatment Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | HB THERAPEUTICS INC | R4HC4365547 | \$ 45,063 | \$ - |
| Research and Development Cluster | 93.395 | Cancer Treatment Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | WRIGHT STATE UNIVERSITY | 671860-1 | \$ 51,979 | \$ - |
| Research and Development Cluster | 93.395 Total | | | | | | \$ 8,229,365 | \$ 832,770 |
| Research and Development Cluster | 93.396 | Cancer Biology Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R101CA225108 | \$ 416,793 | \$ - |
| Research and Development Cluster | 93.396 | Cancer Biology Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R101CA240952 | \$ 584,673 | \$ 203,416 |
| Research and Development Cluster | 93.396 | Cancer Biology Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R101CA241677 | \$ 308,343 | \$ 37,197 |
| Research and Development Cluster | 93.396 | Cancer Biology Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R101CA244625 | \$ 443,115 | \$ 27,927 |
| Research and Development Cluster | 93.396 | Cancer Biology Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | ZR01CA134777 | \$ 223,438 | \$ - |
| Research and Development Cluster | 93.396 | Cancer Biology Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | ZR01CA172742 | \$ 349,866 | \$ - |
| Research and Development Cluster | 93.396 | Cancer Biology Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01CA121044 | \$ 302,752 | \$ 30,104 |
| Research and Development Cluster | 93.396 | Cancer Biology Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01CA173852 | \$ 237,191 | \$ - |
| Research and Development Cluster | 93.396 | Cancer Biology Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01CA227737 | \$ 56,053 | \$ - |
| Research and Development Cluster | 93.396 | Cancer Biology Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01CA231349 | \$ 304,701 | \$ - |
| Research and Development Cluster | 93.396 | Cancer Biology Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01CA252715 | \$ 546,662 | \$ 69,147 |
| Research and Development Cluster | 93.396 | Cancer Biology Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01CA262798 | \$ 503,964 | \$ - |
| Research and Development Cluster | 93.396 | Cancer Biology Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01CA269508 | \$ 430,161 | \$ 9,260 |
| Research and Development Cluster | 93.396 | Cancer Biology Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01CA272852 | \$ 852,905 | \$ 264,867 |
| Research and Development Cluster | 93.396 | Cancer Biology Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R03CA273471 | \$ 113,808 | \$ - |
| Research and Development Cluster | 93.396 | Cancer Biology Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | GEORGIA INSTITUTE OF TECHNOLOGY | RK465-62 | \$ 4,862 | \$ - |
| Research and Development Cluster | 93.396 | Cancer Biology Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | MEDICAL UNIVERSITY OF SOUTH CAROLINA | A21-0021-5002 | \$ 17,111 | \$ - |
| Research and Development Cluster | 93.396 | Cancer Biology Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | MEDICAL UNIVERSITY OF SOUTH CAROLINA | A22-0021-5002 | \$ 21,913 | \$ - |
| Research and Development Cluster | 93.396 | Cancer Biology Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | PURDUE UNIVERSITY | 11000988-014 | \$ 9,117 | \$ - |
| Research and Development Cluster | 93.396 | Cancer Biology Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | PURDUE UNIVERSITY | 11001317-005 | \$ 32,994 | \$ - |
| Research and Development Cluster | 93.396 | Cancer Biology Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF MARYLAND | 123941-20613202 | \$ 19,331 | \$ - |
| Research and Development Cluster | 93.396 | Cancer Biology Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF NOTRE DAME | 20476210 | \$ 7,073 | \$ - |
| Research and Development Cluster | 93.396 | Cancer Biology Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF NOTRE DAME | 2048001USM | \$ 12,881 | \$ - |
| Research and Development Cluster | 93.396 | Cancer Biology Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF SOUTHERN CALIFORNIA | 113370450 | \$ 34,125 | \$ - |
| Research and Development Cluster | 93.396 | Cancer Biology Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF TEXAS MD ANDERSON CANCER CENTER | 3001947034 | \$ 23,805 | \$ - |
| Research and Development Cluster | 93.396 | Cancer Biology Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF TEXAS MD ANDERSON CANCER CENTER | 3002240944 | \$ 22,391 | \$ - |
| Research and Development Cluster | 93.396 | Cancer Biology Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF TEXAS MD ANDERSON CANCER CENTER | 3002348884 | \$ 104,874 | \$ - |
| Research and Development Cluster | 93.396 | Cancer Biology Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | WAKE FOREST UNIVERSITY HEALTH SCIENCES | 166-100200-116221^166-100200-116221 | \$ 57,926 | \$ - |
| Research and Development Cluster | 93.396 | Cancer Biology Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF TEXAS SOUTHWESTERN | GMO230906 PO#0000002759 | \$ (44) | \$ - |
| Research and Development Cluster | 93.396 | Cancer Biology Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | EAST CAROLINA UNIVERSITY | AWD-23-0484-5002 | \$ 9,171 | \$ - |
| Research and Development Cluster | 93.396 Total | | | | | | \$ 6,251,955 | \$ 641,918 |
| Research and Development Cluster | 93.397 | Cancer Centers Support Grants | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | ZP30CA082709 | \$ 3,098,180 | \$ - |
| Research and Development Cluster | 93.397 | Cancer Centers Support Grants | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | US4CA196519 | \$ 2,014,825 | \$ 980,960 |
| Research and Development Cluster | 93.397 | Cancer Centers Support Grants | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | US4CA254518 | \$ 912,016 | \$ 550,203 |

| Cluster | Assistance Listing Number | ALN Program Title | Federal Agency Highest Level | Direct or Pass Through | Pass Through Entity | Pass Through Identifier/Federal Award ID | Sum of Federal Expenses | Sub-recipient Expenditures |
|----------------------------------|---------------------------|---|--|------------------------|---|--|-------------------------|----------------------------|
| Research and Development Cluster | 93.397 | Cancer Centers Support Grants | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | CORIELL INSTITUTE FOR MEDICAL RESEARCH | | \$ 14,003 | \$ - |
| Research and Development Cluster | 93.397 | Cancer Centers Support Grants | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | CORIELL INSTITUTE FOR MEDICAL RESEARCH | A22-0002-S002 | \$ 204,854 | \$ - |
| Research and Development Cluster | 93.397 | Cancer Centers Support Grants | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | INSTITUTE FOR SYSTEMS BIOLOGY | 2023.0010 | \$ 41,935 | \$ - |
| Research and Development Cluster | 93.397 Total | | | | | | \$ 6,285,813 | \$ 1,531,163 |
| Research and Development Cluster | 93.398 | Cancer Research Manpower | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1K08CA230218 | \$ 253,310 | \$ - |
| Research and Development Cluster | 93.398 | Cancer Research Manpower | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | F31CA268751 | \$ 32,125 | \$ - |
| Research and Development Cluster | 93.398 | Cancer Research Manpower | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | K99CA283277 | \$ 30,166 | \$ - |
| Research and Development Cluster | 93.398 | Cancer Research Manpower | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R25CA269071 | \$ 125,353 | \$ - |
| Research and Development Cluster | 93.398 | Cancer Research Manpower | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R25CA274184 | \$ 183,354 | \$ - |
| Research and Development Cluster | 93.398 | Cancer Research Manpower | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | T32CA117865 | \$ 241,674 | \$ - |
| Research and Development Cluster | 93.398 | Cancer Research Manpower | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | T32CA272370 | \$ 114,370 | \$ - |
| Research and Development Cluster | 93.398 | Cancer Research Manpower | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | PURDUE UNIVERSITY | 11000929-032 | \$ 16,555 | \$ - |
| Research and Development Cluster | 93.398 Total | | | | | | \$ 996,907 | \$ - |
| Research and Development Cluster | 93.399 | Cancer Control | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | ECOG-ACRIN CANCER RESEARCH GROUP | UG1CA9828-08-IU1 | \$ 31,248 | \$ - |
| Research and Development Cluster | 93.399 | Cancer Control | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | PUBLIC HEALTH INSTITUTE | AR04851 | \$ (1,041) | \$ - |
| Research and Development Cluster | 93.399 Total | | | | | | \$ 30,207 | \$ - |
| Research and Development Cluster | 93.421 | Strengthening Public Health Systems and Services through National | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | NORTHEASTERN UNIVERSITY | 597241-78050 | \$ 32,493 | \$ - |
| Research and Development Cluster | 93.421 | Strengthening Public Health Systems and Services through National | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | NORTHEASTERN UNIVERSITY | 598877-78050 | \$ 37,156 | \$ - |
| Research and Development Cluster | 93.421 | Strengthening Public Health Systems and Services through National | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | BOSTON CHILDREN'S HOSPITAL | GENFD0002298094 | \$ 62,478 | \$ 62,292 |
| Research and Development Cluster | 93.421 Total | | | | | | \$ 132,127 | \$ 62,292 |
| Research and Development Cluster | 93.433 | ACL National Institute on Disability, Independent Living, and Rehabil | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 90DPHF0006 | \$ 507,378 | \$ 192,978 |
| Research and Development Cluster | 93.433 | ACL National Institute on Disability, Independent Living, and Rehabil | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 90DPTB0002 | \$ 1,198 | \$ - |
| Research and Development Cluster | 93.433 | ACL National Institute on Disability, Independent Living, and Rehabil | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 90DPTB0002-01-00 | \$ 499,792 | \$ - |
| Research and Development Cluster | 93.433 | ACL National Institute on Disability, Independent Living, and Rehabil | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 90DPTB0035-01-00 | \$ 374,298 | \$ 100,125 |
| Research and Development Cluster | 93.433 | ACL National Institute on Disability, Independent Living, and Rehabil | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | RUTGERS UNIVERSITY | 2690/2189 | \$ 21,756 | \$ - |
| Research and Development Cluster | 93.433 | ACL National Institute on Disability, Independent Living, and Rehabil | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | SPAULDING REHABILITATION HOSPITAL CORPORATION | 500570 | \$ 915 | \$ - |
| Research and Development Cluster | 93.433 | ACL National Institute on Disability, Independent Living, and Rehabil | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | SPAULDING REHABILITATION HOSPITAL CORPORATION | 500684 | \$ 30,890 | \$ - |
| Research and Development Cluster | 93.433 Total | | | | | | \$ 1,436,227 | \$ 293,103 |
| Research and Development Cluster | 93.516 | Public Health Training Centers Program | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | PURDUE UNIVERSITY | 11001369-003 | \$ 12,817 | \$ - |
| Research and Development Cluster | 93.516 Total | | | | | | \$ 12,817 | \$ - |
| Research and Development Cluster | 93.632 | University Centers for Excellence in Developmental Disabilities Edu | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 90DDUC0091-01-00 | \$ 595,766 | \$ - |
| Research and Development Cluster | 93.632 Total | | | | | | \$ 595,766 | \$ - |
| Research and Development Cluster | 93.680 | Medical Student Education | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 799HP39199 | \$ 2,661,956 | \$ 81,125 |
| Research and Development Cluster | 93.680 Total | | | | | | \$ 2,661,956 | \$ 81,125 |
| Research and Development Cluster | 93.767 | Children's Health Insurance Program | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF ALABAMA BIRMINGHAM | 000536028-001 | \$ 4,658 | \$ - |
| Research and Development Cluster | 93.767 Total | | | | | | \$ 4,658 | \$ - |
| Research and Development Cluster | 93.778 | Medical Assistance Program | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | INDIANA FAMILY AND SOCIAL SERVICES ADMINISTRATION | 0000000000000000000082429 | \$ 283,080 | \$ 55,344 |
| Research and Development Cluster | 93.778 Total | | | | | | \$ 283,080 | \$ 55,344 |
| Research and Development Cluster | 93.823 | Public Health Response, Forecasting, and Analytic Capacities Relate | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | NORTHEASTERN UNIVERSITY | 500939-78050 | \$ 295,898 | \$ - |
| Research and Development Cluster | 93.823 | Public Health Response, Forecasting, and Analytic Capacities Relate | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | NORTHEASTERN UNIVERSITY | 500940-78050 | \$ 7,900 | \$ - |
| Research and Development Cluster | 93.823 Total | | | | | | \$ 303,798 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1K08HL148508 | \$ 101,940 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1K23HL146567 | \$ 175,717 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01HL126903 | \$ 115,778 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01HL137036 | \$ (26,364) | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01HL145060 | \$ 359,032 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01HL145528 | \$ 150,897 | \$ 64,752 |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01HL146481 | \$ 77,394 | \$ 933 |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01HL147871 | \$ 277,922 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01HL148165 | \$ 153,744 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01HL150346 | \$ 1,270,730 | \$ 269,564 |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01HL151480 | \$ 407,379 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01HL154859 | \$ 400,403 | \$ 132,405 |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01HL155218 | \$ 377,004 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01HL171631 | \$ 168,520 | \$ 6,378 |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 2R25HL124208 | \$ 30,104 | \$ 60,539 |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | F30HL160171 | \$ 39,114 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | F30HL162452 | \$ 8,319 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | K01HL142848 | \$ 165,405 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | K01HL146900 | \$ 151,042 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | K01HL149479 | \$ 116,934 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | K08HL167146 | \$ 136,098 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | P01HL134599 | \$ 2,417,625 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R00HL143194 | \$ 271,712 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R00HL159594 | \$ 207,378 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01HL116546 | \$ 124,915 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01HL147133 | \$ 1,218,848 | \$ 209,668 |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01HL148788 | \$ 772,108 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01HL153430 | \$ 366,938 | \$ 36,797 |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01HL155957 | \$ 362,865 | \$ 15,702 |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01HL158597 | \$ 660,124 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01HL158647 | \$ 557,366 | \$ 15,788 |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01HL158952 | \$ 399,235 | \$ 10,780 |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01HL159216 | \$ 783,039 | \$ 283,066 |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01HL159436 | \$ 535,229 | \$ 190,435 |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01HL160856 | \$ 360,716 | \$ 18,541 |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01HL161212 | \$ 298,076 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01HL164105 | \$ 447,929 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01HL165115 | \$ 440,560 | \$ 72,802 |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01HL166747 | \$ 725,069 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01HL168202 | \$ 278,615 | \$ 5,796 |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01HL169877 | \$ 451,233 | \$ 64,067 |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01HL169976 | \$ 73,317 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01HL170260 | \$ 351,239 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01HL171277 | \$ 105,957 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21HL163720 | \$ 233,758 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21HL168669 | \$ 197,358 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21HL170146 | \$ 130,546 | \$ 7,053 |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R25HL163860 | \$ 142,367 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R56HL161741 | \$ 227,429 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R56HL164477 | \$ 198,764 | \$ 45,994 |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | T35HL110854 | \$ 294,713 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | CINCINNATI CHILDREN'S HOSPITAL MEDICAL CENTER | 138149 | \$ 60,850 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | DUKE UNIVERSITY | A034686 | \$ 74,303 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | MASSACHUSETTS GENERAL HOSPITAL | 236957 | \$ 27,705 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | MASSACHUSETTS GENERAL HOSPITAL | SU01HL123336-02 | \$ (13,144) | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | NEW ENGLAND RESEARCH INSTITUTE | Exhibit A | \$ 2,421 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | NEW ENGLAND RESEARCH INSTITUTE | Exhibit H | \$ 29,313 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | NEW ENGLAND RESEARCH INSTITUTE | HL068270 | \$ 2,046 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | NORTHWESTERN UNIVERSITY | 60060791 IU | \$ 73,309 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | PURDUE UNIVERSITY | 11001042-015 | \$ 8,878 | \$ - |

| Cluster | Assistance Listing Number | ALN Program Title | Federal Agency Highest Level | Direct or Pass Through | Pass Through Entity | Pass Through Identifier/Federal Award ID | Sum of Federal Expenses | Sub-recipient Expenditures |
|----------------------------------|---------------------------|---|--|------------------------|---|--|-------------------------|----------------------------|
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | RESEARCH FOUNDATION STATE UNIVERSITY NEW YORK | 100-1091654-90560 | \$ 9,425 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | RTI INTERNATIONAL | B-312-0217457-66027L | \$ 87,335 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF ALABAMA BIRMINGHAM | 000530812-SC003 | \$ 71,753 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF MICHIGAN | SUBK00019630 | \$ 148,055 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF MICHIGAN | SUBK00020159 | \$ 34,875 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF OKLAHOMA | 2023-20 | \$ 98,432 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | WASHINGTON UNIVERSITY | WU-23-0053 | \$ 111,624 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | BOSTON CHILDREN'S HOSPITAL | GENFD0002003801 | \$ 22,876 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | DES MOINES UNIVERSITY | DES-20-02 sub 1 | \$ 25,100 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | CEDARS-SINAI MEDICAL CENTER | 1890277 | \$ (3,936) | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | CEDARS-SINAI MEDICAL CENTER | 23255299 | \$ 116,403 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF SOUTHERN MISSISSIPPI | 8007045-01.01 TIU | \$ 6,419 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | WEST VIRGINIA UNIVERSITY RESEARCH CORPORATION | 23-096-IU | \$ 42,013 | \$ - |
| Research and Development Cluster | 93.837 | Cardiovascular Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | SAINT LUKE'S HEALTH SYSTEM, INC. | GR-00664-01 | \$ 11,172 | \$ - |
| Research and Development Cluster | 93.837 Total | | | | | | \$ 19,611,247 | \$ 1,511,060 |
| Research and Development Cluster | 93.838 | Lung Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | | \$ 382,365 | \$ - |
| Research and Development Cluster | 93.838 | Lung Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1K23HL150244 | \$ 187,906 | \$ - |
| Research and Development Cluster | 93.838 | Lung Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01HL132358 | \$ 123,219 | \$ 44,400 |
| Research and Development Cluster | 93.838 | Lung Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01HL142638 | \$ 831 | \$ 189 |
| Research and Development Cluster | 93.838 | Lung Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01HL145679 | \$ 448,182 | \$ 164,527 |
| Research and Development Cluster | 93.838 | Lung Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01HL159764-01 | \$ 1,022,170 | \$ - |
| Research and Development Cluster | 93.838 | Lung Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R35HL140019 | \$ 867,948 | \$ - |
| Research and Development Cluster | 93.838 | Lung Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R61HL154136 | \$ 249,149 | \$ 124,737 |
| Research and Development Cluster | 93.838 | Lung Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 2R01HL127342 | \$ 564,290 | \$ 125,576 |
| Research and Development Cluster | 93.838 | Lung Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 7R01HL149693 | \$ 339,485 | \$ 9,627 |
| Research and Development Cluster | 93.838 | Lung Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 7UG1HL139126 | \$ 287,998 | \$ 203,109 |
| Research and Development Cluster | 93.838 | Lung Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | K01HL149989 | \$ 148,549 | \$ - |
| Research and Development Cluster | 93.838 | Lung Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | K01HL164874 | \$ 108,820 | \$ - |
| Research and Development Cluster | 93.838 | Lung Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | K01HL166436 | \$ 189,792 | \$ - |
| Research and Development Cluster | 93.838 | Lung Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | K23HL168362 | \$ 71,394 | \$ - |
| Research and Development Cluster | 93.838 | Lung Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | K99HL171869 | \$ 33,815 | \$ - |
| Research and Development Cluster | 93.838 | Lung Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | P01HL128192 | \$ 10,525 | \$ - |
| Research and Development Cluster | 93.838 | Lung Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | P01HL158507 | \$ 3,292,927 | \$ 1,361,675 |
| Research and Development Cluster | 93.838 | Lung Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01HL132918 | \$ 295,826 | \$ - |
| Research and Development Cluster | 93.838 | Lung Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01HL142638 | \$ 592,430 | \$ 9,387 |
| Research and Development Cluster | 93.838 | Lung Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01HL158108 | \$ 730,164 | \$ 22,156 |
| Research and Development Cluster | 93.838 | Lung Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01HL160666 | \$ 429,408 | \$ - |
| Research and Development Cluster | 93.838 | Lung Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01HL164791 | \$ 538,461 | \$ 14,600 |
| Research and Development Cluster | 93.838 | Lung Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01HL170368 | \$ 7,616 | \$ - |
| Research and Development Cluster | 93.838 | Lung Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | RS6HL163583 | \$ 419,737 | \$ - |
| Research and Development Cluster | 93.838 | Lung Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | T32HL091816 | \$ 400,401 | \$ - |
| Research and Development Cluster | 93.838 | Lung Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | BRIGHAM AND WOMEN'S HOSPITAL | 122869 | \$ 19,058 | \$ - |
| Research and Development Cluster | 93.838 | Lung Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | CASE WESTERN RESERVE UNIVERSITY | RESS17148 | \$ 9,514 | \$ - |
| Research and Development Cluster | 93.838 | Lung Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | CHILDREN'S HOSPITAL OF PHILADELPHIA | 3200930818 | \$ 11,510 | \$ - |
| Research and Development Cluster | 93.838 | Lung Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | CINCINNATI CHILDREN'S HOSPITAL MEDICAL CENTER | OS00000374/400279 | \$ 240,985 | \$ - |
| Research and Development Cluster | 93.838 | Lung Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | OHIO STATE UNIVERSITY | SPC-100012649 GR132828 | \$ 68,993 | \$ - |
| Research and Development Cluster | 93.838 | Lung Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | INDIANA | 1008666 | \$ (1) | \$ - |
| Research and Development Cluster | 93.838 | Lung Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | OREGON HEALTH & SCIENCE UNIVERSITY | 1015103_IU | \$ 116,559 | \$ - |
| Research and Development Cluster | 93.838 | Lung Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | OREGON HEALTH & SCIENCE UNIVERSITY | 1022244_INDIANA | \$ 276,578 | \$ - |
| Research and Development Cluster | 93.838 | Lung Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL | 5118104 | \$ 25,969 | \$ - |
| Research and Development Cluster | 93.838 | Lung Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF PITTSBURGH | AWDD00008090 (139597-1) | \$ 19,780 | \$ - |
| Research and Development Cluster | 93.838 | Lung Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | WAYNE STATE UNIVERSITY | WSU22075 | \$ (7,877) | \$ - |
| Research and Development Cluster | 93.838 | Lung Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | TULANE UNIVERSITY | TUL-HSC-558038-20/21 | \$ 54,329 | \$ - |
| Research and Development Cluster | 93.838 | Lung Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF COLORADO | PT23-064-002 | \$ 23,315 | \$ - |
| Research and Development Cluster | 93.838 | Lung Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | CLEVELAND CLINIC FOUNDATION | 1480-SUB | \$ 96,639 | \$ - |
| Research and Development Cluster | 93.838 Total | | | | | | \$ 12,698,459 | \$ 2,079,983 |
| Research and Development Cluster | 93.839 | Blood Diseases and Resources Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1K23HL143162 | \$ 197,098 | \$ - |
| Research and Development Cluster | 93.839 | Blood Diseases and Resources Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01HL140961 | \$ 173,239 | \$ - |
| Research and Development Cluster | 93.839 | Blood Diseases and Resources Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01HL146137 | \$ 174,008 | \$ - |
| Research and Development Cluster | 93.839 | Blood Diseases and Resources Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 2R01L114566 | \$ 6,253 | \$ - |
| Research and Development Cluster | 93.839 | Blood Diseases and Resources Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 2R01HL131093 | \$ 944,829 | \$ 643,036 |
| Research and Development Cluster | 93.839 | Blood Diseases and Resources Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 2T32HL007910 | \$ 305,127 | \$ - |
| Research and Development Cluster | 93.839 | Blood Diseases and Resources Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 7U54HL142019 | \$ 913,443 | \$ 627,310 |
| Research and Development Cluster | 93.839 | Blood Diseases and Resources Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | F31HL160120 | \$ 30,971 | \$ - |
| Research and Development Cluster | 93.839 | Blood Diseases and Resources Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | F32HL160072 | \$ 6,383 | \$ - |
| Research and Development Cluster | 93.839 | Blood Diseases and Resources Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | K08HL1461379 | \$ 87,079 | \$ - |
| Research and Development Cluster | 93.839 | Blood Diseases and Resources Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | K08HL157619 | \$ 213,823 | \$ - |
| Research and Development Cluster | 93.839 | Blood Diseases and Resources Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | K99HL166790 | \$ 100,738 | \$ - |
| Research and Development Cluster | 93.839 | Blood Diseases and Resources Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | P01HL160472 | \$ 2,236,369 | \$ 1,136,711 |
| Research and Development Cluster | 93.839 | Blood Diseases and Resources Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01HL111656 | \$ 716,977 | \$ 135,500 |
| Research and Development Cluster | 93.839 | Blood Diseases and Resources Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01HL158921 | \$ 498,710 | \$ - |
| Research and Development Cluster | 93.839 | Blood Diseases and Resources Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01HL167877 | \$ 317,467 | \$ - |
| Research and Development Cluster | 93.839 | Blood Diseases and Resources Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | AUGUSTA UNIVERSITY | 33737-29 | \$ 3,062 | \$ - |
| Research and Development Cluster | 93.839 | Blood Diseases and Resources Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | CHILDREN'S HOSPITAL OF PHILADELPHIA | 3201040419 | \$ 30,824 | \$ - |
| Research and Development Cluster | 93.839 | Blood Diseases and Resources Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | CHILDREN'S HOSPITAL OF PHILADELPHIA | PO# 20514387 / Activity# GR1-00000909 | \$ 6,731 | \$ - |
| Research and Development Cluster | 93.839 | Blood Diseases and Resources Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF MICHIGAN | 3004662681 | \$ 24,790 | \$ - |
| Research and Development Cluster | 93.839 | Blood Diseases and Resources Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL | S115292 | \$ 202,296 | \$ - |
| Research and Development Cluster | 93.839 | Blood Diseases and Resources Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF PENNSYLVANIA | SP9830 | \$ 121,890 | \$ - |
| Research and Development Cluster | 93.839 | Blood Diseases and Resources Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | TECHOS LABORATORIES, LLC | TRD00097911 | \$ 48,830 | \$ - |
| Research and Development Cluster | 93.839 | Blood Diseases and Resources Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | OSSILUM HEALTH | R41HL155004 | \$ (8) | \$ - |
| Research and Development Cluster | 93.839 Total | | | | | | \$ 7,352,424 | \$ 2,542,557 |
| Research and Development Cluster | 93.846 | Arthritis, Musculoskeletal and Skin Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01AR069029 | \$ (435) | \$ - |
| Research and Development Cluster | 93.846 | Arthritis, Musculoskeletal and Skin Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01AR072609 | \$ 144,653 | \$ - |
| Research and Development Cluster | 93.846 | Arthritis, Musculoskeletal and Skin Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01AR073739 | \$ 111,674 | \$ 18,592 |
| Research and Development Cluster | 93.846 | Arthritis, Musculoskeletal and Skin Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01AR074473 | \$ 332,813 | \$ 31,402 |
| Research and Development Cluster | 93.846 | Arthritis, Musculoskeletal and Skin Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01AR076477 | \$ 572,161 | \$ 12,964 |
| Research and Development Cluster | 93.846 | Arthritis, Musculoskeletal and Skin Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01AR077273 | \$ 51,878 | \$ 4,450 |
| Research and Development Cluster | 93.846 | Arthritis, Musculoskeletal and Skin Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01AR077869 | \$ 18,338 | \$ 1,648 |
| Research and Development Cluster | 93.846 | Arthritis, Musculoskeletal and Skin Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R21AR075275 | \$ (846) | \$ - |
| Research and Development Cluster | 93.846 | Arthritis, Musculoskeletal and Skin Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21AR079005 | \$ 4,988 | \$ - |
| Research and Development Cluster | 93.846 | Arthritis, Musculoskeletal and Skin Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21AR081458 | \$ 65,291 | \$ - |
| Research and Development Cluster | 93.846 | Arthritis, Musculoskeletal and Skin Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | RS6AR083234 | \$ 60,121 | \$ - |
| Research and Development Cluster | 93.846 | Arthritis, Musculoskeletal and Skin Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 2R01AR053237 | \$ 30,339 | \$ 44 |
| Research and Development Cluster | 93.846 | Arthritis, Musculoskeletal and Skin Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 2T32AR065971 | \$ 373,549 | \$ - |
| Research and Development Cluster | 93.846 | Arthritis, Musculoskeletal and Skin Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 4R00AR070903 | \$ (50) | \$ - |
| Research and Development Cluster | 93.846 | Arthritis, Musculoskeletal and Skin Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 7R01AR070200 | \$ 1,487 | \$ - |
| Research and Development Cluster | 93.846 | Arthritis, Musculoskeletal and Skin Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | P30AR072581 | \$ 998,765 | \$ 23,538 |
| Research and Development Cluster | 93.846 | Arthritis, Musculoskeletal and Skin Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01AR080076 | \$ 441,818 | \$ 27,902 |
| Research and Development Cluster | 93.846 | Arthritis, Musculoskeletal and Skin Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01AR080116 | \$ 572,301 | \$ 186,732 |
| Research and Development Cluster | 93.846 | Arthritis, Musculoskeletal and Skin Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01AR084202 | \$ 8,357 | \$ - |
| Research and Development Cluster | 93.846 | Arthritis, Musculoskeletal and Skin Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R13AR083271 | \$ 15,000 | \$ - |
| Research and Development Cluster | 93.846 | Arthritis, Musculoskeletal and Skin Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21AR080255 | \$ 76,516 | \$ - |
| Research and Development Cluster | 93.846 | Arthritis, Musculoskeletal and Skin Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21AR080424 | \$ 37,346 | \$ - |
| Research and Development Cluster | 93.846 | Arthritis, Musculoskeletal and Skin Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21AR081593 | \$ 170,731 | \$ - |

| Cluster | Assistance Listing Number | ALN Program Title | Federal Agency Highest Level | Direct or Pass Through | Pass Through Entity | Pass Through Identifier/Federal Award ID | Sum of Federal Expenses | Sub-recipient Expenditures |
|----------------------------------|---------------------------|--|---|------------------------|---|--|-------------------------|----------------------------|
| Research and Development Cluster | 93.846 | Arthritis, Musculoskeletal and Skin Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21AR082600 | \$ 111,115 | \$ - |
| Research and Development Cluster | 93.846 | Arthritis, Musculoskeletal and Skin Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21AR083774 | \$ 59,604 | \$ - |
| Research and Development Cluster | 93.846 | Arthritis, Musculoskeletal and Skin Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 956AR053237 | \$ 144,246 | \$ 1,922 |
| Research and Development Cluster | 93.846 | Arthritis, Musculoskeletal and Skin Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | BRIGHAM H LURIE CHILDREN HOSPITAL OF CHI | 23-520 | \$ 23,520 | \$ - |
| Research and Development Cluster | 93.846 | Arthritis, Musculoskeletal and Skin Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | BRIGHAM AND WOMEN'S HOSPITAL | 127765 | \$ 27,699 | \$ - |
| Research and Development Cluster | 93.846 | Arthritis, Musculoskeletal and Skin Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | CINCINNATI CHILDREN'S HOSPITAL MEDICAL CENTER | 138708 | \$ 26,810 | \$ - |
| Research and Development Cluster | 93.846 | Arthritis, Musculoskeletal and Skin Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | PURDUE UNIVERSITY | 11001543-012 | \$ 5,934 | \$ - |
| Research and Development Cluster | 93.846 | Arthritis, Musculoskeletal and Skin Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | PURDUE UNIVERSITY | 4102-85218 | \$ 64 | \$ - |
| Research and Development Cluster | 93.846 | Arthritis, Musculoskeletal and Skin Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | RUSH UNIVERSITY MEDICAL CENTER | 21010901-Sub01 | \$ 68,504 | \$ - |
| Research and Development Cluster | 93.846 | Arthritis, Musculoskeletal and Skin Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | RGF THERAPEUTICS INC. | | \$ 82,223 | \$ - |
| Research and Development Cluster | 93.846 Total | | | | | | \$ 4,616,523 | \$ 309,194 |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1F30DK121399 | \$ 48,224 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1K23DK119368 | \$ 98,527 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1K23DK122015 | \$ 31,299 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1K23DK123408 | \$ 182,567 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01DK108342 | \$ 317,528 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01DK111651 | \$ 22,251 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01DK111293 | \$ (6,692) | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01DK116963 | \$ 7,920 | \$ 7,920 |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01DK117076 | \$ 25,729 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01DK118433 | \$ 311,129 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01DK118536 | \$ 312,244 | \$ 14,755 |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01DK120689 | \$ 140,595 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01DK120859 | \$ 308,531 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01DK120772 | \$ 555,550 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01DK121378 | \$ 1,895,869 | \$ 1,307,062 |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01DK121925 | \$ 307,433 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01DK121929 | \$ 391,294 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01DK121987 | \$ 213,987 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01DK124067 | \$ 509,122 | \$ 27,444 |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01DK124304 | \$ 522,886 | \$ 51,912 |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01DK124380 | \$ 311,804 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01DK124401 | \$ 349,032 | \$ (3,858) |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01DK124776 | \$ 208,303 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01DK125008 | \$ 22,908 | \$ 14,864 |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01DK127308 | \$ 502,156 | \$ 1,153 |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01DK127761 | \$ 192,528 | \$ 28,919 |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01DK128252 | \$ 488,734 | \$ 76,336 |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01DK132385-01 | \$ 451,790 | \$ 56,510 |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R03DK122230 | \$ (2,996) | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R03DK122560 | \$ 1,256 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R03DK127766 | \$ 2,271 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R03DK129326-01A1 | \$ 95,506 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R21DK123582 | \$ 7,773 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1T32DK120524 | \$ 306,875 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1U01DK127382 | \$ 357,328 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 2P30DK097931 | \$ 1,351,860 | \$ (1,870) |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 2P30DK097512 | \$ 28,796 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 2R01DK027221 | \$ 607,995 | \$ 83,490 |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 2R01DK040949 | \$ 44,195 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 2R01DK063114 | \$ (285) | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 2R01DK091623 | \$ 30,397 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 2R01DK108956-07A1 | \$ 172,055 | \$ 28,281 |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 2R25DK095900 | \$ (2,951) | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 2T32DK064466 | \$ (28,279) | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 2U01DK061737 | \$ 273,267 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 2U01DK065211 | \$ 11,864 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 2U01DK089536 | \$ 399,902 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 7K32DK115673 | \$ 2,075 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 7R01DK122701-05 | \$ 304,975 | \$ 231,179 |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | F31DK130606 | \$ 27,074 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | F31DK134168 | \$ 11,159 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | F31DK137439 | \$ 34,672 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | F31DK137482 | \$ 3,995 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | F31DK137567 | \$ 41,758 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | K08DK139369 | \$ 10,822 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | K23DK123378 | \$ 9,918 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | K30DK129799 | \$ 168,390 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | K99DK127216 | \$ 5,435 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R00DK129703 | \$ 1,747 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R00DK127216 | \$ 186,274 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01AG082275~R01DK118782 | \$ 237,867 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01DK063114 | \$ 26,958 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01DK107623 | \$ 725,535 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01DK112930 | \$ 367,050 | \$ 95,752 |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01DK114008 | \$ 37,068 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01DK127236 | \$ 411,630 | \$ 256,371 |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01DK127436 | \$ 422,316 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01DK128845 | \$ 2,730 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01DK129287 | \$ 392,441 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01DK129289 | \$ 470,752 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01DK135808 | \$ 376,885 | \$ 3,884 |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01DK131143 | \$ 376,685 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01DK132366 | \$ 234,791 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01DK132390 | \$ 696,581 | \$ 451,618 |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01DK132583 | \$ 227,604 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01DK132709 | \$ 384,478 | \$ 170,005 |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01DK132893 | \$ 321,963 | \$ 156,343 |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01DK133418 | \$ 522,566 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01DK133881 | \$ 724,987 | \$ 316,831 |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01DK136283 | \$ 387,895 | \$ 267,450 |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01DK136812 | \$ 420,300 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01DK136897 | \$ 161,255 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01DK142945 | \$ 378,037 | \$ 137,482 |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01DK136994 | \$ 25,311 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01DK138021 | \$ 297,362 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01DK138504 | \$ 255,418 | \$ 82,100 |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01DK139505 | \$ 133,166 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R03DK132446 | \$ 6,737 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R03DK134510 | \$ 90,000 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R03DK139283 | \$ 21,305 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R13DK137550 | \$ 13,626 | \$ - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21DK136084 | \$ 56,426 | \$ - |

Fiscal Year Ended June 30, 2024 Schedule of Expenditures of Federal Awards for Indiana University

| Cluster | Assistance Listing Number | ALN Program Title | Federal Agency Highest Level | Direct or Pass Through | Pass Through Entity | Pass Through Identifier/Federal Award ID | Sum of Federal Expenses | Sub-recipient Expenditures |
|----------------------------------|---------------------------|--|--|------------------------|--|--|-------------------------|----------------------------|
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R61DK131909 | \$ 634 | - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | T32DK006466 | \$ 276,794 | - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | U01DK0065211 | \$ 348,201 | - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | U01DK108323 | \$ 630,862 | - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | U01DK114923 | \$ 1,074,957 | 39,435 |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | U01DK119099 | \$ 6,579 | - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | U54DK106846 | \$ 1,217,016 | - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | U54DK137328 | \$ 848,578 | 38,887 |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | ANN & ROBERT H LURIE CHILDREN HOSPITAL OF CHI | 901628-Indiana | \$ 9,065 | - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | AUGUSTA UNIVERSITY | 932307-60 | \$ 259 | - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | BAYLOR COLLEGE OF MEDICINE | 7000000919 | \$ 130,658 | - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | BAYLOR COLLEGE OF MEDICINE | 7000000815 | \$ 631 | - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | BRIGHAM AND WOMEN'S HOSPITAL | 127969 | \$ 50,578 | - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | BRIGHAM AND WOMEN'S HOSPITAL | 128038 | \$ 77,594 | - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | CINCINNATI CHILDREN'S HOSPITAL MEDICAL CENTER | OS00000590/317894 | \$ 30,781 | - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | CITY OF HOPE | 63443.2009937.669301 | \$ 20,361 | - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | COLUMBIA UNIVERSITY | 165G016512-01 | \$ 239,993 | - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | COLUMBIA UNIVERSITY | 55G0100011 | \$ 7,832 | - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | GEORGE WASHINGTON UNIVERSITY | 5-GRD1718-SC9 | \$ 24,351 | - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | JOHNS HOPKINS UNIVERSITY | 2005117840 | \$ 44,459 | - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | MASSACHUSETTS GENERAL HOSPITAL | 238171 | \$ 28,162 | - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | NATIONWIDE CHILDREN'S HOSPITAL | 700155-0119-00 | \$ 10,777 | - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH & EDU | SCH2284-12 | \$ 7,516 | - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | PENNSYLVANIA STATE UNIVERSITY | IUDK127384 | \$ 29,027 | - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | PENNSYLVANIA STATE UNIVERSITY | IUDK127384-PC | \$ 105 | - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | PENNSYLVANIA STATE UNIVERSITY | IUDK127384-SUP | \$ 286,445 | - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | PURDUE UNIVERSITY | 111001325-121 | \$ 76,744 | - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | RUTGERS UNIVERSITY | 1989 | \$ 200,126 | - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | STANFORD UNIVERSITY | 625122-202-24733 | \$ 19,673 | - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | STANFORD UNIVERSITY | 63042034-247133 | \$ 179,016 | - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | TEXAS A&M UNIVERSITY | M2302630 | \$ 42,467 | - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF ALABAMA BIRMINGHAM | 000521653-SC002 | \$ 43,725 | - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF ALABAMA BIRMINGHAM | 000526066-001 | \$ 62,892 | - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF CHICAGO | AWO101513 (SUB00000414) | \$ 97,308 | - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF CHICAGO | AWO101521 (SUB00001103) | \$ 45,825 | - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF CHICAGO | AWO103851 (SUB00000890) | \$ 87,135 | - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF CHICAGO | FP046970-03-A | \$ (25,885) | - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF CHICAGO | FP046970-03-C | \$ 27,100 | - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF MICHIGAN | SUBK00016269 | \$ 84,064 | - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF PITTSBURGH | AWO00004275 (136529-2) | \$ 61,014 | - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF PITTSBURGH | AWO00007841 (1001630-1) | \$ 65,000 | - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF SOUTH FLORIDA | 6119-1295-00-C | \$ 40,373 | - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF SOUTH FLORIDA | 6163-1082-00-BD | \$ 10,886 | - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF SOUTH FLORIDA | 6163-1082-00-BO | \$ 67,452 | - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF SOUTH FLORIDA | 6163-1082-00-BO | \$ 417,001 | - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF UTAH | 10055841-46-U1 | \$ 377 | - |
| Research and Development Cluster | 93.847 | Diabetes, Digestive, and Kidney Diseases Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF WASHINGTON | 00 | | |

| Cluster | Assistance Listing Number | ALN Program Title | Federal Agency Highest Level | Direct or Pass Through | Pass Through Entity | Pass Through Identifier/Federal Award ID | Sum of Federal Expenses | Sub-recipient Expenditures |
|----------------------------------|---------------------------|---|--|------------------------|---|--|-------------------------|----------------------------|
| Research and Development Cluster | 93.853 | Extramural Research Programs in the Neurosciences and Neurology | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | MASSACHUSETTS GENERAL HOSPITAL | 243443 | \$ 63,204 | - |
| Research and Development Cluster | 93.853 | Extramural Research Programs in the Neurosciences and Neurology | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | MEDICAL COLLEGE OF WISCONSIN | | \$ 23,652 | - |
| Research and Development Cluster | 93.853 | Extramural Research Programs in the Neurosciences and Neurology | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | MEDICAL COLLEGE OF WISCONSIN | 1U24NS100648-01 | \$ (3,406) | - |
| Research and Development Cluster | 93.853 | Extramural Research Programs in the Neurosciences and Neurology | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | MEDICAL COLLEGE OF WISCONSIN | R21NS118169 | \$ 4,893 | - |
| Research and Development Cluster | 93.853 | Extramural Research Programs in the Neurosciences and Neurology | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | MEDICAL COLLEGE OF WISCONSIN | U24NS115679 | \$ 10,521 | - |
| Research and Development Cluster | 93.853 | Extramural Research Programs in the Neurosciences and Neurology | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | NORTHWESTERN UNIVERSITY | 60051731 IU | \$ 17,454 | - |
| Research and Development Cluster | 93.853 | Extramural Research Programs in the Neurosciences and Neurology | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | NORTHWESTERN UNIVERSITY | 60051733 IU | \$ 49,586 | - |
| Research and Development Cluster | 93.853 | Extramural Research Programs in the Neurosciences and Neurology | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | NORTHWESTERN UNIVERSITY | 60051853 IU | \$ 138,846 | - |
| Research and Development Cluster | 93.853 | Extramural Research Programs in the Neurosciences and Neurology | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | OHIO STATE UNIVERSITY | GR128738-SPC-100006868*GR125692 | \$ 22,361 | 7,829 |
| Research and Development Cluster | 93.853 | Extramural Research Programs in the Neurosciences and Neurology | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | OREGON HEALTH & SCIENCE UNIVERSITY | 10151486, INDIANA | \$ 51,465 | - |
| Research and Development Cluster | 93.853 | Extramural Research Programs in the Neurosciences and Neurology | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | STANFORD UNIVERSITY | 63213924-176406 | \$ 47,499 | - |
| Research and Development Cluster | 93.853 | Extramural Research Programs in the Neurosciences and Neurology | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF CHICAGO | AWD103738 (SUB00000889) | \$ 10,150 | - |
| Research and Development Cluster | 93.853 | Extramural Research Programs in the Neurosciences and Neurology | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF FLORIDA | SUB00002687 | \$ 6,533 | - |
| Research and Development Cluster | 93.853 | Extramural Research Programs in the Neurosciences and Neurology | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF IOWA | S01903-01 | \$ 3,686 | - |
| Research and Development Cluster | 93.853 | Extramural Research Programs in the Neurosciences and Neurology | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION | 3200000811-17-076 | \$ 10,555 | - |
| Research and Development Cluster | 93.853 | Extramural Research Programs in the Neurosciences and Neurology | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION | 3200005740-24-103 | \$ 40,487 | - |
| Research and Development Cluster | 93.853 | Extramural Research Programs in the Neurosciences and Neurology | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF PENNSYLVANIA | S85719 | \$ 19,484 | - |
| Research and Development Cluster | 93.853 | Extramural Research Programs in the Neurosciences and Neurology | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF SOUTHERN CALIFORNIA | SCON-00005048 | \$ 38,062 | - |
| Research and Development Cluster | 93.853 | Extramural Research Programs in the Neurosciences and Neurology | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | WASHINGTON UNIVERSITY | WU-24-0260 | \$ 54,257 | - |
| Research and Development Cluster | 93.853 | Extramural Research Programs in the Neurosciences and Neurology | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | ANAGIN, INC | | \$ 154,912 | - |
| Research and Development Cluster | 93.853 | Extramural Research Programs in the Neurosciences and Neurology | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | ANAGIN, INC | 4U4ANS119284 | \$ 10,555 | - |
| Research and Development Cluster | 93.853 | Extramural Research Programs in the Neurosciences and Neurology | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF CALIFORNIA, DAVIS | A21-1324-0526 | \$ 87,077 | - |
| Research and Development Cluster | 93.853 | Extramural Research Programs in the Neurosciences and Neurology | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF MISSOURI | C00079517-1 | \$ 51,517 | - |
| Research and Development Cluster | 93.853 Total | | | | | | \$ 16,977,990 | 2,164,365 |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 10P2A1160242 | \$ 471,590 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1F32A1157551 | \$ 53,264 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1K08A1146278 | \$ 110,643 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01A1132771 | \$ (195) | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01A1137116 | \$ 754,821 | 17,749 |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01A1143254 | \$ 269,039 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01A1143792 | \$ 380,961 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01A1144022 | \$ 345,730 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01A1144430 | \$ 437,178 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01A1148282 | \$ 546,759 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01A1148525 | \$ 817,440 | 230,288 |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01A1149766 | \$ 591,329 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01A1152235 | \$ 643,747 | 117,256 |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01A1153239 | \$ 735,576 | 37,199 |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01A1158719 | \$ 739,589 | 198,178 |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R03A1159780 | \$ 15,506 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R21A1153785 | \$ (99) | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R21A1156170 | \$ 174,910 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R21A1156443 | \$ 29,279 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R21A1159804 | \$ 70,943 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R21A1164002 | \$ 114,612 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R56A1175187-01A1 | \$ 19,037 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1U01A1138283 | \$ 208,479 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 2R01A1057459 | \$ 534,137 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 2R01A1099278 | \$ 477,019 | 96,396 |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 2R01A1110637 | \$ 211,849 | 57,833 |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 2T32A1060519 | \$ 306,834 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R001A1051390 | \$ 306,662 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | F30A1174762 | \$ 29,178 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R00A1153464 | \$ 261,534 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R00A1153483 | \$ 214,555 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01A1083640 | \$ 304,936 | 1,113 |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01A1087856 | \$ 292,044 | 55,246 |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01A1095282 | \$ (7,764) | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01A1110637 | \$ 21,490 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01A1118933 | \$ 255,875 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01A1134036 | \$ 6,422 | 5,472 |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01A1144430 | \$ 223,606 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01A1153255 | \$ 463,390 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01A1165611 | \$ 590,000 | 19,429 |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01A1165949 | \$ 673,136 | 495,308 |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01A1165958 | \$ 413,219 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01A1168056 | \$ 155,700 | 22,984 |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01A1172752 | \$ 538,465 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01A1175239 | \$ 46,738 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01A1175631 | \$ 52,496 | 4,176 |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01A1176999 | \$ 308,136 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01A1177002 | \$ 418,664 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01A1177600 | \$ 803,560 | 350,698 |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01A1180448 | \$ 359,245 | 401 |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01A1180518 | \$ 2,891 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01A1183911 | \$ 95,054 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21A1153745 | \$ 275,853 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21A1156756 | \$ 141,488 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21A1157336 | \$ 208,547 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21A1163574 | \$ 74,668 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21A1163638 | \$ 127,274 | 43,532 |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21A1164619 | \$ 10,297 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21A1167662 | \$ 158,517 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21A1168967 | \$ 228,155 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21A1169333 | \$ 160,870 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21A1171911 | \$ 117,656 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21A1171932 | \$ 156,005 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21A1172087 | \$ 133,929 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21A1173929 | \$ 231,570 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21A1174247 | \$ 236,663 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21A1174860 | \$ 182,484 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21A1175824 | \$ 236,220 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21A1176762 | \$ 210,761 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21A1180409 | \$ 63,220 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21A1180840 | \$ 102,209 | 24,192 |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21A1181621 | \$ 49,815 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R56A1129241 | \$ 302,650 | 78,245 |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | U01A1069911 | \$ 3,995,953 | 2,502,202 |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | BENAROYA RESEARCH INSTITUTE AT VIRGINIA MASON | FY22TNS81 | \$ 1,485 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | BENAROYA RESEARCH INSTITUTE AT VIRGINIA MASON | UM1A1109565 | \$ 38,743 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | CINCINNATI CHILDREN'S HOSPITAL MEDICAL CENTER | 309135 | \$ 51,063 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | COLUMBIA UNIVERSITY | 10(GG014746-09) | \$ (2,158) | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | COLUMBIA UNIVERSITY | 9(GG014746-09) | \$ 26,761 | - |
| Research and Development Cluster | 93.855 | Allergy and Infectious Diseases Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | EMORY UNIVERSITY | A641076 | \$ 34,665 | - |

| Entity | Pass Through Identifier/Federal | Sum of Federal | Sub-recipient |
|--|---------------------------------|----------------|---------------|
| | Award ID | Expenses | Expenditures |
| UNIVERSITY OF MICHIGAN ARCH FOUNDATION | A822005 | \$ 21,763 | \$ - |
| | 109770-5109058 | \$ 59,285 | \$ - |
| | 421-01 | \$ 8,137 | \$ - |
| | | \$ 2,501 | \$ - |
| | LDR 03 | \$ 73,414 | \$ - |
| | 20-A1-00-1003407 | \$ 967 | \$ - |
| | 1020009_IU | \$ 42,426 | \$ - |
| | 11000748-024 | \$ 4,583 | \$ - |
| | 000532303-5C002 | \$ 95,443 | \$ - |
| | 000542191-5C003 | \$ 16,612 | \$ - |
| | 3200005384-23-246 | \$ 30,999 | \$ - |
| | 3000925 Request: 3696 | \$ 240,001 | \$ - |
| | N008039601 | \$ 6,652 | \$ - |
| | 203807IU | \$ 91,224 | \$ - |
| | CNV000007526 (139303-1) | \$ 112,723 | \$ - |
| | CNVAD0058466 (136031-2) | \$ 43,533 | \$ - |
| | 6408-1103-00-A | \$ (12,548) | \$ - |
| | UWESC12930 | \$ 1,604 | \$ - |
| | U45E5019360 | \$ 58,803 | \$ - |
| | VUMC112089 | \$ 139,871 | \$ - |
| VUMC114830 | \$ 232,571 | \$ - | |
| VUMC117139 | \$ 19,982 | \$ - | |
| VUMC58450 | \$ 55,756 | \$ - | |
| VUMC65910 | \$ 69,974 | \$ - | |
| 00001972 | \$ 12,561 | \$ - | |
| GENFD0001762834*GENFD0001867981 | \$ (21,921) | \$ - | |
| PG20-61062-03 | \$ 171 | \$ - | |
| 10034797 | \$ 19,777 | \$ - | |
| FR-DENBCHLAMYD-IU Subaward | \$ 27,420 | \$ - | |
| 0001127253 | \$ 55,048 | \$ - | |
| AWD-23-0130-S001 | \$ 89,743 | \$ - | |
| NR 204350 | \$ 102,575 | \$ - | |
| | \$ 25,137,824 | \$ 4,357,889 | |
| UNIVERSITY OF MICHIGAN ARCH FOUNDATION | 1R01DK114008 | \$ 116,364 | \$ - |
| | 1R01GM114500 | \$ 33,492 | \$ - |
| | 1R01GM123314 | \$ 75,142 | \$ - |
| | 1R01GM129261 | \$ 3,795 | \$ 2,521 |
| | 1R01GM131100 | \$ 180,121 | \$ - |
| | 1R01GM135178 | \$ 264,470 | \$ - |
| | 1R01GM135264 | \$ 297,109 | \$ 144,103 |
| | 1R01GM137656 | \$ (15,130) | \$ - |
| | 1R01GM138845 | \$ 90,608 | \$ - |
| | 1R01GM141242 | \$ 425,263 | \$ - |
| | 1R15GM139064 | \$ (4,090) | \$ - |
| | 1R35GM124765 | \$ 55,411 | \$ - |
| | 1R35GM124918 | \$ 94,578 | \$ - |
| | 1R35GM128674 | \$ 95,244 | \$ - |
| | 1R35GM131755 | \$ 269,656 | \$ - |
| | 1R35GM131767 | \$ 697,897 | \$ - |
| | 1R35GM131783 | \$ 368,260 | \$ - |
| | 1R35GM131812 | \$ 514,037 | \$ - |
| | 1R35GM133437 | \$ 674,387 | \$ - |
| | 1R35GM136331 | \$ 385,113 | \$ - |
| | 1R35GM136365 | \$ 71,194 | \$ - |
| | 1R35GM138376 | \$ 678,477 | \$ - |
| | 1R35GM152171 | \$ 230,542 | \$ - |
| | 1T32GM131994 | \$ 197,364 | \$ - |
| | 2R01GM099714 | \$ (275) | \$ - |
| | 2R01GM113107 | \$ 290,007 | \$ - |
| | 2R01GM115665 | \$ 55,897 | \$ - |
| | 2R15GM139064-02 | \$ 16,058 | \$ - |
| | 2R35GM118157 | \$ 298,015 | \$ - |
| | 2R35GM131783-06 | \$ 269,245 | \$ - |
| | 2T32GM008425 | \$ 19,541 | \$ - |
| | 2T32GM077229 | \$ 2,464 | \$ - |
| | 4R00GM127605 | \$ 232 | \$ - |
| | 7R01GM095657 | \$ 51,989 | \$ 33,539 |
| | 7R35GM142760-04 | \$ 375,512 | \$ - |
| | K23GM147805 | \$ 197,238 | \$ - |
| | K25GM143572 | \$ 1,106 | \$ - |
| | R00GM141320 | \$ 236,725 | \$ - |
| | R01GM120156 | \$ 135,672 | \$ - |
| | R01GM120350 | \$ (3,615) | \$ - |
| R01GM130759 | \$ 392,090 | \$ - | |
| R01GM147151 | \$ 266,873 | \$ - | |
| R01GM149786 | \$ 180,271 | \$ 54,331 | |
| R01GM150808 | \$ 162,960 | \$ - | |
| R15GM139094 | \$ 17,732 | \$ - | |
| R25GM109432 | \$ 314,869 | \$ - | |
| R35GM119557 | \$ 522,514 | \$ - | |
| R35GM122482 | \$ 365,296 | \$ - | |
| R35GM124698 | \$ 576,829 | \$ - | |
| R35GM124918 | \$ 288,200 | \$ - | |
| R35GM128594 | \$ 389,046 | \$ - | |
| R35GM128674 | \$ 410,875 | \$ - | |
| R35GM131755 | \$ 312,650 | \$ - | |
| R35GM141922 | \$ 627,471 | \$ - | |
| R35GM142691 | \$ 361,886 | \$ - | |
| R35GM143054 | \$ (13,707) | \$ - | |
| R35GM145383 | \$ 485,574 | \$ - | |
| R35GM146888 | \$ 355,722 | \$ - | |
| R35GM147023 | \$ 438,903 | \$ - | |
| R35GM147241 | \$ 427,742 | \$ - | |
| R35GM147412 | \$ 61,553 | \$ - | |
| R35GM148258 | \$ 286,020 | \$ - | |
| R35GM148290 | \$ 421,669 | \$ - | |
| R35GM150517 | \$ 290,223 | \$ - | |
| R35GM150542 | \$ 309,475 | \$ - | |
| R35GM150971 | \$ 149,346 | \$ - | |
| R35GM151033 | \$ 325,564 | \$ - | |
| R35GM151123 | \$ 133,437 | \$ - | |
| R35GM151227 | \$ 115,978 | \$ - | |
| R35GM151251 | \$ 420,596 | \$ - | |
| R35GM152068 | \$ 259,998 | \$ - | |
| T32GM008425 | \$ 508,417 | \$ - | |

| Cluster | Assistance Listing Number | ALN Program Title | Federal Agency Highest Level | Direct or Pass Through | Pass Through Entity | Pass Through Identifier/Federal Award ID | Sum of Federal Expenses | Sub-recipient Expenditures |
|----------------------------------|---------------------------|--|--|------------------------|---|--|-------------------------|----------------------------|
| Research and Development Cluster | 93.859 | Biomedical Research and Research Training | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | T32GM131994 | \$ 5,760 | \$ - |
| Research and Development Cluster | 93.859 | Biomedical Research and Research Training | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | T32GM144891 | \$ 139,915 | \$ - |
| Research and Development Cluster | 93.859 | Biomedical Research and Research Training | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | T32GM148382 | \$ 866,655 | \$ - |
| Research and Development Cluster | 93.859 | Biomedical Research and Research Training | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | EMORY UNIVERSITY | A899752 | \$ 22,737 | \$ - |
| Research and Development Cluster | 93.859 | Biomedical Research and Research Training | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | OHIO STATE UNIVERSITY | 60072609 | \$ 37,228 | \$ - |
| Research and Development Cluster | 93.859 | Biomedical Research and Research Training | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | OHIO STATE UNIVERSITY | SPC-100005901 - GR125375 | \$ 120,822 | \$ - |
| Research and Development Cluster | 93.859 | Biomedical Research and Research Training | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | PURDUE UNIVERSITY | 11001591-005 | \$ 1,763 | \$ - |
| Research and Development Cluster | 93.859 | Biomedical Research and Research Training | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | RESEARCH FOUNDATION STATE UNIVERSITY NEW YORK | 95380/1177562/2 | \$ 170,240 | \$ - |
| Research and Development Cluster | 93.859 | Biomedical Research and Research Training | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | TEXAS TECH UNIVERSITY | 21F09-01 | \$ 82,435 | \$ - |
| Research and Development Cluster | 93.859 | Biomedical Research and Research Training | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | TEXAS TECH UNIVERSITY | 21F168-01 | \$ 28,242 | \$ - |
| Research and Development Cluster | 93.859 | Biomedical Research and Research Training | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF MICHIGAN | SUBK00014172 | \$ 111,194 | \$ - |
| Research and Development Cluster | 93.859 | Biomedical Research and Research Training | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF MINNESOTA | P009108403 | \$ 79,820 | \$ - |
| Research and Development Cluster | 93.859 | Biomedical Research and Research Training | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF OKLAHOMA | 2020-47 | \$ 72,037 | \$ - |
| Research and Development Cluster | 93.859 | Biomedical Research and Research Training | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF COLORADO DENVER | PY24_752.001 | \$ 133,791 | \$ - |
| Research and Development Cluster | 93.859 | Biomedical Research and Research Training | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | TULANE UNIVERSITY | HSC-H55-59671-21/22 | \$ 67,643 | \$ - |
| Research and Development Cluster | 93.859 | Biomedical Research and Research Training | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF MONTANA | PG23-61297-01 | \$ 21,672 | \$ - |
| Research and Development Cluster | 93.859 | Biomedical Research and Research Training | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | TUFTS UNIVERSITY | 00220511_Pohl | \$ 165,320 | \$ - |
| Research and Development Cluster | 93.859 | Biomedical Research and Research Training | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | OKLAHOMA STATE UNIVERSITY | 1-519494-1U | \$ 18,261 | \$ - |
| Research and Development Cluster | 93.859 | Biomedical Research and Research Training | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | ARKANSAS CHILDREN'S HOSPITAL RES INST | K034205 - 1U | \$ 20,031 | \$ - |
| Research and Development Cluster | 93.859 | Biomedical Research and Research Training | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | CALIFORNIA STATE UNIVERSITY, LONG BEACH RESEARCH FOUNDATION | SG269322100INDIANAUNIV | \$ 5,186 | \$ - |
| Research and Development Cluster | 93.859 Total | | | | | | \$ 20,081,939 | \$ 234,494 |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1K23HD094853 | \$ 167,505 | \$ - |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1K23HD095778 | \$ 39,851 | \$ - |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01HD095971 | \$ 479,441 | \$ - |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01HD098013 | \$ 756,841 | \$ 65,935 |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01HD101246 | \$ 377,068 | \$ 209,206 |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01HD104555 | \$ 661,025 | \$ 492,267 |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01HD104552 | \$ 763,157 | \$ 279,720 |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R03HD110806-01 | \$ 47,969 | \$ - |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R21HD102653 | \$ 48,062 | \$ - |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R21HD102871 | \$ 26,972 | \$ - |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 2K13HD085773-06 | \$ 10,000 | \$ - |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 2K15HD090603 | \$ 123,804 | \$ - |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 2732HD007475 | \$ 426,053 | \$ - |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 2UG1HD076461 | \$ 246,398 | \$ 246,020 |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | F31HD110244 | \$ 32,511 | \$ - |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | F31HD110259 | \$ 47,288 | \$ - |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | K08HD109636 | \$ 147,661 | \$ - |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | K12HD111017 | \$ 272,043 | \$ - |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | K23HD105495 | \$ 133,141 | \$ 16,180 |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | K23HD109056 | \$ 155,127 | \$ 33,332 |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | K99HD105920 | \$ 22,169 | \$ - |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | P30HD106451 | \$ 3,748,179 | \$ 2,485,393 |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01HD102381 | \$ 956,853 | \$ 735,657 |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01HD102335 | \$ 257,989 | \$ - |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01HD104624 | \$ 491,850 | \$ 159,591 |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01HD107120 | \$ 284,498 | \$ 14,662 |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01HD108622 | \$ 385,305 | \$ 16,277 |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01HD109707 | \$ 543,922 | \$ - |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01HD110994 | \$ 183,588 | \$ 15,092 |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R03HD104841 | \$ 26,903 | \$ - |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R03HD107320 | \$ 25,767 | \$ - |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R03HD111815 | \$ 14,637 | \$ - |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R15HD092925 | \$ 89,946 | \$ 3,752 |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21HD108052 | \$ 148,193 | \$ 51,803 |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21HD108460 | \$ 173,929 | \$ - |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21HD114230 | \$ 22,417 | \$ - |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | T32HD049326 | \$ 234,904 | \$ - |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | UG1HD107653 | \$ 216,710 | \$ - |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | BAYLOR COLLEGE OF MEDICINE | 7000001685 | \$ 1,938 | \$ - |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | COLUMBIA UNIVERSITY | 1(GG014633-02) | \$ (30,499) | \$ - |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | FLORIDA STATE UNIVERSITY | R000003130 | \$ 43,568 | \$ - |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | HARVARD UNIVERSITY | 117267-0260-5123219 | \$ 11,976 | \$ - |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | MASSACHUSETTS GENERAL HOSPITAL | 2296648 | \$ 24,160 | \$ - |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | PURDUE UNIVERSITY | 11001363-035 | \$ 80,657 | \$ - |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | PURDUE UNIVERSITY | 11001377-015 | \$ 54,544 | \$ - |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF ILLINOIS AT CHICAGO | 19418 | \$ 112,545 | \$ - |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF MARYLAND | 66986-20189201 | \$ 25,239 | \$ - |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF MICHIGAN | SUBK00017887 | \$ 17,607 | \$ - |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF MINNESOTA | N010040902 | \$ 11,907 | \$ - |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL | S124886 | \$ 15,115 | \$ - |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF PITTSBURGH | AWD00005308 (137253-1) | \$ 171,377 | \$ - |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | YALE UNIVERSITY | CON-80004701 (GR122149) | \$ 14,482 | \$ - |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | VANDERBILT UNIVERSITY | OSAO00000091 | \$ 7,890 | \$ - |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | WEILL CORNELL MEDICAL COLLEGE | 226494-21 | \$ 105,352 | \$ - |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | MARQUETTE UNIVERSITY | 2279-01-02 | \$ 284,888 | \$ - |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | RHODE ISLAND HOSPITAL | 2137970 | \$ 25,179 | \$ - |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF ALABAMA | 000538651-SC002 | \$ 7,005 | \$ - |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | CHILDREN'S MERCY HOSPITALS & CLINICS (KANSAS CITY) | 41613121 | \$ 4,343 | \$ - |
| Research and Development Cluster | 93.865 | Child Health and Human Development Extramural Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | COMPACT MEDICAL INCORPORATED | NICH0-PPHE-1-001 | \$ 114,761 | \$ - |
| Research and Development Cluster | 93.865 Total | | | | | | \$ 13,894,510 | \$ 4,824,887 |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1K07AG062809 | \$ 186,755 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1K23AG062555 | \$ 149,280 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1K23AG062797 | \$ 172,538 | \$ 3,303 |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01AG052439 | \$ 456,673 | \$ 125,820 |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01AG053993 | \$ 324,518 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01AG055391 | \$ 140,127 | \$ 321,089 |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01AG055424 | \$ 49,677 | \$ 20,269 |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01AG056325 | \$ 163,327 | \$ 117,448 |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01AG056618 | \$ 590,600 | \$ 456,162 |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01AG057703 | \$ 252 | \$ 252 |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01AG057733 | \$ 449,371 | \$ 230,271 |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01AG057739 | \$ 705,202 | \$ 51,708 |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01AG059639 | \$ 481,412 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01AG060621 | \$ 847,823 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01AG061788 | \$ 863,808 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01AG066676 | \$ 380,379 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01AG066922 | \$ 836,810 | \$ 547,698 |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01AG067631 | \$ 621,557 | \$ 452,569 |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01AG069128 | \$ 486,631 | \$ 316,302 |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01AG069765 | \$ 836,914 | \$ 452,033 |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01AG070931 | \$ 380,238 | \$ - |

| Cluster | Assistance Listing Number | ALN Program Title | Federal Agency Highest Level | Direct or Pass Through | Pass Through Entity | Pass Through Identifier/Federal Award ID | Sum of Federal Expenses | Sub-recipient Expenditures |
|----------------------------------|---------------------------|-------------------|--|------------------------|--|--|-------------------------|----------------------------|
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01AG072897 | \$ 430,799 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R21AG075463 | \$ 545,772 | \$ 153,693 |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R21AG066135 | \$ 3,059 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R21AG067923 | \$ 7,912 | \$ 25,592 |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R21AG071269 | \$ 51,200 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R21AG077439-01 | \$ 241,709 | \$ 83,742 |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R1FAG080840 | \$ 540,997 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R1FAG069425 | \$ 740,109 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R1FAG071177 | \$ 863,157 | \$ 441,857 |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R1FAG074543-01 | \$ 896,007 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1T32AG071444 | \$ 414,903 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1U01AG057195 | \$ 11,346,838 | \$ 6,657,140 |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1U01AG060900 | \$ 233,172 | \$ 65,894 |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1U54AG065181 | \$ 7,935,552 | \$ 3,690,526 |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 2R01AG019771 | \$ 254,584 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 2R1FAG059639 | \$ 11,198 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 7K76AG064545-06 | \$ 163,486 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 7R03AG070417-04 | \$ 68,934 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | F30AG079580 | \$ 33,218 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | F31AG074628 | \$ 26,200 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | F31AG074623 | \$ 37,422 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | F31AG074700 | \$ 929 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | F31AG077931 | \$ 31,860 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | K00AG068438 | \$ 83,123 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | K01AG072615 | \$ 128,849 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | K01AG076971 | \$ 147,503 | \$ 31,270 |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | K01AG080930 | \$ 61,745 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | K02AG068595 | \$ 222,744 | \$ 899 |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | K07AG076659 | \$ 116,368 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | K23AG071945 | \$ 129,844 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | K23AG080071 | \$ 141,328 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | K24AG053794 | \$ 160,855 | \$ 38,710 |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | K76AG074925 | \$ 259,431 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | K76AG074940 | \$ 245,625 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | K99AG078500 | \$ 145,078 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | P01AG039355 | \$ 187,687 | \$ 129,127 |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | P30AG072976 | \$ 3,396,070 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01AG052493 | \$ 267,227 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01AG056926 | \$ 610,405 | \$ 362,400 |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01AG064007 | \$ 274,580 | \$ 7,777 |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01AG071281 | \$ 756,857 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01AG075044 | \$ 430,324 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01AG075132 | \$ 639,739 | \$ 121,921 |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01AG076032 | \$ 468,962 | \$ 343,160 |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01AG076142 | \$ 864,178 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01AG076198 | \$ 415,046 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01AG076569 | \$ 252,596 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01AG076685 | \$ 367,316 | \$ 27,485 |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01AG077829 | \$ 1,036,594 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01AG078234 | \$ 1,285,241 | \$ 19,968 |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01AG080001 | \$ 566,340 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01AG080391 | \$ 237,229 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R03AG073879 | \$ (495) | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21AG070971 | \$ 247,961 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21AG072288 | \$ 132,128 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21AG072418 | \$ 171,596 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21AG072738 | \$ 37,704 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21AG073921 | \$ 83,928 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21AG074179 | \$ 103,867 | \$ 5,813 |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21AG074539 | \$ 91,776 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21AG075296 | \$ 181,152 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21AG075541 | \$ 199,519 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21AG076202 | \$ 89,063 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21AG077333 | \$ 265,184 | \$ 89,677 |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21AG078575 | \$ 214,953 | \$ 119,347 |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21AG078861 | \$ 444,492 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21AG083791 | \$ 175,783 | \$ 39,070 |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R24AG071471 | \$ 1,116,700 | \$ 55,885 |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R25AG078136 | \$ 141,136 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R56AG051086 | \$ 11,112 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R56AG072810 | \$ 147,743 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | RF1AG074566 | \$ 914,145 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | RF1AG076610 | \$ 622,406 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | RF1AG077826 | \$ 854,201 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | RF1AG083762 | \$ 202,795 | \$ 12,399 |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | T32AG074934 | \$ 16,836 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | U01AG072107 | \$ 1,570,585 | \$ 1,071,225 |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | U24AG021886 | \$ 10,724,508 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | U54AG054345 | \$ 9,769,471 | \$ 5,843,228 |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | AMERICAN FEDERATION FOR AGING RESEARCH | Z0-NSCC3-IU | \$ 125,562 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | BAYLOR COLLEGE OF MEDICINE | P700000846 | \$ 20,129 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | BOSTON UNIVERSITY | 4500002817 | \$ 737,550 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | BOSTON UNIVERSITY | 4500005039 | \$ 36,193 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | CLEVELAND CLINIC | 919-SUB | \$ 49 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | COLUMBIA UNIVERSITY | 1(GG013437-01) | \$ 281,008 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | COLUMBIA UNIVERSITY | 1(GG015356-02) | \$ 47,740 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | COLUMBIA UNIVERSITY | 2(GG018877-01) | \$ 42,436 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | COLUMBIA UNIVERSITY | 3(GG013459-01) | \$ 57,059 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | DUKE UNIVERSITY | 303002242 | \$ 33,155 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | DUKE UNIVERSITY | A03000569 | \$ 28,822 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | DUKE UNIVERSITY | A035112* A033957* A032689 | \$ 358,512 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | DUKE UNIVERSITY | U19AG063744 | \$ 184,545 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | EMORY UNIVERSITY | A873036 | \$ 16,138 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | GEORGE WASHINGTON UNIVERSITY | S-DPA2223-LM14 | \$ 266,747 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | GEORGETOWN UNIVERSITY | 424368_GR424282-IU | \$ 375,824 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | GEORGETOWN UNIVERSITY | 425654_GR425631-IU | \$ 313,672 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | INNOVATIVE DESIGN LABS | IDN23-01_G16-2_AlrRadar_IU | \$ 63,022 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | MASSACHUSETTS GENERAL HOSPITAL | 235290 | \$ 24,171 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | MAYO CLINIC, ROCHESTER | IND-2753397*IND-263134 | \$ 1,170,086 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | MAYO CLINIC, ROCHESTER | TIU-263134/PO #67930733 | \$ 120,228 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | MICHIGAN STATE UNIVERSITY | RC111437A | \$ 95,781 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | MICHIGAN STATE UNIVERSITY | T11-AD-001-006822, PROJECT 119117 | \$ 35,044 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH & EDU | WEI2990-15 | \$ 409,553 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | OHIO STATE UNIVERSITY | 60069938 | \$ (7,069) | \$ - |

| Cluster | Assistance Listing Number | ALN Program Title | Federal Agency Highest Level | Direct or Pass Through | Pass Through Entity | Pass Through Identifier/Federal Award ID | Sum of Federal Expenses | Sub-recipient Expenditures |
|----------------------------------|---------------------------|-------------------|--|------------------------|---|--|-------------------------|----------------------------|
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | OHIO STATE UNIVERSITY | SPC-1000006323 / GR126748 | \$ 147,691 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | PURDUE UNIVERSITY | 11000858-006 | \$ 128,306 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | PURDUE UNIVERSITY | 11001152-011 | \$ 25,632 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | PURDUE UNIVERSITY | 11001295-018 | \$ 244,162 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | PURDUE UNIVERSITY | 11001359-061 | \$ 67,721 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | RAND CORPORATION | SCON-00000493 | \$ 17,051 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | RESEARCH FOUNDATION STATE UNIVERSITY NEW YORK | R1350918 | \$ 99,504 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF ALABAMA BIRMINGHAM | 000526175-SC001 | \$ 125,389 | \$ - |
| Research and Development Cluster | 93.866 | Aaina Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF CALIFORNIA, LOS ANGELES | 1430 G LA191 | \$ 611,216 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF CALIFORNIA, LOS ANGELES | 1558 G LA181 | \$ 49,016 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF CALIFORNIA, LOS ANGELES | 2000 G LA548 | \$ 44,899 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF CALIFORNIA, LOS ANGELES | 2000 G ZD449 | \$ 13,606 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF CALIFORNIA, SAN DIEGO | 704384 | \$ 350,982 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF CALIFORNIA, SAN DIEGO | 706079 | \$ 86,807 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF CALIFORNIA, SAN DIEGO | 706315 | \$ 34,203 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF CALIFORNIA, SAN DIEGO | 706836 | \$ 5,915 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF FLORIDA | SU800003644 | \$ 23,838 | \$ - |
| Research and Development Cluster | 93.866 | Aaina Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION | 3210002467-24-027 | \$ 182,015 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF MIAMI | OS00001085 | \$ 3,971 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF MICHIGAN | SUBK000019409 | \$ 28,494 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF MINNESOTA | N009778402 | \$ 373,360 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF NOTRE DAME | 2042721U | \$ 31,212 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF PENNSYLVANIA | 575765C | \$ 108,157 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF PENNSYLVANIA | 580820 | \$ (115) | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF PENNSYLVANIA | 587757 | \$ 127,624 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF PENNSYLVANIA | U01AG032984 | \$ 38,579 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF PITTSBURGH | AWD00002130 (135490-2) | \$ 325,971 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF PITTSBURGH | AWD00002130 (801192-1) | \$ 14,155 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF PITTSBURGH | AWD00002378 (134774-1) | \$ 98,157 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF PITTSBURGH | AWD00004643 (136650-8) | \$ 137,266 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF PITTSBURGH | AWD00005405 (137634-1) | \$ 138,386 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF PITTSBURGH | AWD00005586 (137470-2) | \$ 7,237 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF SOUTH FLORIDA | 6118-1093-04-A | \$ 291,580 | \$ - |
| Research and Development Cluster | 93.866 | Aaina Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF SOUTHERN CALIFORNIA | 105746128 | \$ 15,338 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF SOUTHERN CALIFORNIA | 1255349F3 | \$ 22,613 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF SOUTHERN CALIFORNIA | 130491520 | \$ 3,734 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF SOUTHERN CALIFORNIA | 137297887 | \$ 403,872 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF SOUTHERN CALIFORNIA | 140912511 | \$ 31,665 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF SOUTHERN CALIFORNIA | SCON-00005665 | \$ 216,881 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER HOUSTON | SA0003655 | \$ 99,685 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF WASHINGTON | UWSC12394 | \$ (101) | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF WASHINGTON | UWSC12965 | \$ 24,994 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF WASHINGTON | UWSC15354 | \$ 4,108 | \$ - |
| Research and Development Cluster | 93.866 | Aaina Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF WISCONSIN | 0000001231 | \$ 89,251 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF WISCONSIN | 0000002102 | \$ 157,652 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF WISCONSIN | 0000002618 | \$ 819,260 | \$ 400,434 |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF WISCONSIN | 0000002903 | \$ 8,956 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF WISCONSIN | 0000003120 | \$ 111,338 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF WISCONSIN | 0000003310 | \$ 41,981 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF WISCONSIN | 0000003340 | \$ 108,955 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | VANDERBILT UNIVERSITY MEDICAL CENTER | VUMC81452 | \$ 20,291 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | VANDERBILT UNIVERSITY MEDICAL CENTER | VUMC35894 | \$ 214,552 | \$ - |
| Research and Development Cluster | 93.866 | Aaina Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | VANDERBILT UNIVERSITY MEDICAL CENTER | VUMC29122 | \$ 10,017 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | WAKE FOREST UNIVERSITY HEALTH SCIENCES | 1273-33664-1100000619 | \$ 57,254 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | WAKE FOREST UNIVERSITY HEALTH SCIENCES | 2028-45116-11000002200 | \$ 129,630 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | WAKE FOREST UNIVERSITY HEALTH SCIENCES | 2150-45116-11000002200 | \$ 7,319 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | WASHINGTON UNIVERSITY | WU-22-0249 | \$ 292,761 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF COLORADO DENVER | PY19-930.002 | \$ 136,029 | \$ 107,867 |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF COLORADO DENVER | PY23-227.003 | \$ 22,476 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | BROWN UNIVERSITY | 00001368 | \$ 79,653 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | BROWN UNIVERSITY | 00001391 | \$ 670,943 | \$ 510,287 |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | BROWN UNIVERSITY | 00002074 | \$ 141,541 | \$ 44,567 |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | BROWN UNIVERSITY | 00002357 | \$ 366,386 | \$ 170,240 |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | BANNER ALZHEIMERS INSTITUTE | 0435-06-131997 | \$ 295,135 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | WEILL CORNELL MEDICAL COLLEGE | P125425 | \$ 59,189 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | MAYO CLINIC, JACKSONVILLE | DNI-312328; PO# 000056031 | \$ 12,175 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | MAYO CLINIC, JACKSONVILLE | IDN-312328; PO# 000056063 | \$ 14,156 | \$ - |
| Research and Development Cluster | 93.866 | Aaina Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | MAYO CLINIC, JACKSONVILLE | IND-294646/PO #68589256 | \$ 652,556 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | MAYO CLINIC, JACKSONVILLE | IND-312328; PO# 000055410 | \$ 139,740 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | MAYO CLINIC, JACKSONVILLE | INU-312328; PO# 000055583 | \$ 444,918 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | MAYO CLINIC, JACKSONVILLE | IUD-312328; PO# 000055756 | \$ 510,218 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | MAYO CLINIC, JACKSONVILLE | NID-312328; PO# 000055867 | \$ 677,689 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | OKLAHOMA STATE UNIVERSITY | 1-511963 Indiana U | \$ 750,024 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | WRIGHT STATE UNIVERSITY | 671660-1 | \$ 125,576 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF VERMONT | AWD00000698SUB00000289 | \$ 158,353 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | BANNER HEALTH | 0435-06-164257 | \$ 148,630 | \$ - |
| Research and Development Cluster | 93.866 | Aaina Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | RHODE ISLAND HOSPITAL | 7137837 | \$ 1,370 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | RHODE ISLAND HOSPITAL | R44AG079736 | \$ (726) | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | NEW YORK R&D CENTER FOR TRANSLATIONAL MEDICINE AND THERAPEUTICS, INC. | R44AG081162 | \$ 23,207 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | ADM DIAGNOSTICS, INC. | R44AG060861 | \$ 19,011 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | FORDHAM UNIVERSITY | FORD0125-45157 | \$ 72,625 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | TEMPLE UNIVERSITY | 271365-IU | \$ 113,595 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF TEXAS HEALTH SCIENCE CTR-SAN ANTONIO | 174118/173581 | \$ 28,174 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | DARTMOUTH COLLEGE | R1779 | \$ 33,738 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | DARTMOUTH COLLEGE | R1781 | \$ 10,122 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | DARTMOUTH COLLEGE | R1782 | \$ 17,207 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | DARTMOUTH COLLEGE | R1783 | \$ 17,207 | \$ - |
| Research and Development Cluster | 93.866 | Aging Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | JACKSON LABORATORY | 210415-0824-02 | \$ 28,945 | \$ - |
| Research and Development Cluster | 93.866 Total | | | | | | \$ 94,366,502 | \$ 23,766,124 |
| Research and Development Cluster | 93.867 | Vision Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01EY027779 | \$ 159,709 | \$ - |
| Research and Development Cluster | 93.867 | Vision Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01EY029808 | \$ 222,403 | \$ - |
| Research and Development Cluster | 93.867 | Vision Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01EY030847 | \$ 330,294 | \$ - |
| Research and Development Cluster | 93.867 | Vision Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01EY031321 | \$ 362,926 | \$ - |
| Research and Development Cluster | 93.867 | Vision Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01EY031939 | \$ 396,390 | \$ - |
| Research and Development Cluster | 93.867 | Vision Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1R01EY032056 | \$ 419,756 | \$ - |
| Research and Development Cluster | 93.867 | Vision Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1735EY031282 | \$ 10,712 | \$ - |
| Research and Development Cluster | 93.867 | Vision Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1U24EY033269-01 | \$ 1,406,725 | \$ 1,203,653 |
| Research and Development Cluster | 93.867 | Vision Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 2R01EY024315 | \$ 523,655 | \$ - |
| Research and Development Cluster | 93.867 | Vision Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 2R01EY024542 | \$ 260,750 | \$ - |
| Research and Development Cluster | 93.867 | Vision Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 4R00EY028223 | \$ 179 | \$ - |
| Research and Development Cluster | 93.867 | Vision Research | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 7R01EY026962 | \$ 53,100 | \$ 24,118 |

| Cluster | Assistance Listing Number | ALN Program Title | Federal Agency Highest Level | Direct or Pass Through | Pass Through Entity | Pass Through Identifier/Federal Award ID | Sum of Federal Expenses | Sub-recipient Expenditures |
|--|---------------------------|---|--|------------------------|---|--|-------------------------|----------------------------|
| Research and Development Cluster | 93.867 | Research and Development Cluster | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 7R01EY029320 | \$ 290,660 | \$ - |
| Research and Development Cluster | 93.867 | Research and Development Cluster | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 7R01EY029680 | \$ 101,694 | \$ 19,487 |
| Research and Development Cluster | 93.867 | Research and Development Cluster | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | F31EY035171 | \$ 24,963 | \$ - |
| Research and Development Cluster | 93.867 | Research and Development Cluster | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | K99EY032974 | \$ 6,904 | \$ - |
| Research and Development Cluster | 93.867 | Research and Development Cluster | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R00EY032974 | \$ 95,898 | \$ - |
| Research and Development Cluster | 93.867 | Research and Development Cluster | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01EY014460 | \$ 377,495 | \$ - |
| Research and Development Cluster | 93.867 | Research and Development Cluster | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01EY018339 | \$ 403,091 | \$ - |
| Research and Development Cluster | 93.867 | Research and Development Cluster | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01EY025641 | \$ 65,901 | \$ - |
| Research and Development Cluster | 93.867 | Research and Development Cluster | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01EY031700 | \$ 606,886 | \$ 191 |
| Research and Development Cluster | 93.867 | Research and Development Cluster | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01EY032080 | \$ 550,929 | \$ - |
| Research and Development Cluster | 93.867 | Research and Development Cluster | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01EY032897 | \$ 532,285 | \$ - |
| Research and Development Cluster | 93.867 | Research and Development Cluster | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01EY033022 | \$ 349,867 | \$ - |
| Research and Development Cluster | 93.867 | Research and Development Cluster | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01EY034174 | \$ 247,115 | \$ - |
| Research and Development Cluster | 93.867 | Research and Development Cluster | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01EY035159 | \$ 194,295 | \$ 103,682 |
| Research and Development Cluster | 93.867 | Research and Development Cluster | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01EY035412 | \$ 31,037 | \$ - |
| Research and Development Cluster | 93.867 | Research and Development Cluster | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01EY036086 | \$ 67,613 | \$ - |
| Research and Development Cluster | 93.867 | Research and Development Cluster | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R15EY033968 | \$ 267,320 | \$ - |
| Research and Development Cluster | 93.867 | Research and Development Cluster | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21EY032652 | \$ 249,900 | \$ - |
| Research and Development Cluster | 93.867 | Research and Development Cluster | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21EY033929 | \$ 232,824 | \$ - |
| Research and Development Cluster | 93.867 | Research and Development Cluster | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21EY034650 | \$ 130,124 | \$ - |
| Research and Development Cluster | 93.867 | Research and Development Cluster | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R21EY036160 | \$ 26,276 | \$ - |
| Research and Development Cluster | 93.867 | Research and Development Cluster | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | AEON IMAGING, LLC | EY030829 | \$ 165,390 | \$ - |
| Research and Development Cluster | 93.867 | Research and Development Cluster | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI | 0255-D571-4609 | \$ 62,704 | \$ - |
| Research and Development Cluster | 93.867 | Research and Development Cluster | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | JAEB CENTER FOR HEALTH RESEARCH INC | 3487 | \$ 11,425 | \$ - |
| Research and Development Cluster | 93.867 | Research and Development Cluster | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | NORTHWESTERN UNIVERSITY | 60057120 IND | \$ 37,739 | \$ - |
| Research and Development Cluster | 93.867 | Research and Development Cluster | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF CHICAGO | AWD0101368 (SUB00000314) | \$ 48,555 | \$ - |
| Research and Development Cluster | 93.867 | Research and Development Cluster | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | RESEARCH FOUNDATION STATE UNIVERSITY NEW YORK | 3200005884-24-110 | \$ 40,262 | \$ - |
| Research and Development Cluster | 93.867 | Research and Development Cluster | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF OKLAHOMA | 2024-15 | \$ 20,984 | \$ - |
| Research and Development Cluster | 93.867 | Research and Development Cluster | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF PENNSYLVANIA | 589527 | \$ 57,197 | \$ - |
| Research and Development Cluster | 93.867 | Research and Development Cluster | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | GRANNUS THERAPEUTICS, LLC | R41EY033263 | \$ 7,672 | \$ - |
| Research and Development Cluster | 93.867 Total | | | | | | \$ 9,453,524 | \$ 1,351,131 |
| Research and Development Cluster | 93.879 | Medical Library Assistance | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01LM012535 | \$ 19,526 | \$ - |
| Research and Development Cluster | 93.879 | Medical Library Assistance | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01LM012605 | \$ (20,736) | \$ 9,476 |
| Research and Development Cluster | 93.879 | Medical Library Assistance | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1715LM012502 | \$ (311) | \$ - |
| Research and Development Cluster | 93.879 | Medical Library Assistance | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R01LM013771 | \$ 621,848 | \$ - |
| Research and Development Cluster | 93.879 | Medical Library Assistance | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | R25LM014209 | \$ 110,343 | \$ - |
| Research and Development Cluster | 93.879 | Medical Library Assistance | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | T15LM012502 | \$ 404,251 | \$ - |
| Research and Development Cluster | 93.879 | Medical Library Assistance | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | EMORY UNIVERSITY | A939559 | \$ 10,735 | \$ - |
| Research and Development Cluster | 93.879 | Medical Library Assistance | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | PURDUE UNIVERSITY | 11001264-042 | \$ 901 | \$ - |
| Research and Development Cluster | 93.879 | Medical Library Assistance | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | RESEARCH FOUNDATION STATE UNIVERSITY NEW YORK | (2,306) | \$ 9,233 | \$ - |
| Research and Development Cluster | 93.879 | Medical Library Assistance | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN | 109757-19031 | \$ 17,598 | \$ - |
| Research and Development Cluster | 93.879 | Medical Library Assistance | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF PENNSYLVANIA | 580259 | \$ 48,909 | \$ - |
| Research and Development Cluster | 93.879 Total | | | | | | \$ 1,210,758 | \$ 9,476 |
| Research and Development Cluster | 93.912 | Rural Health Care Services Outreach, Rural Health Network Development | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | D04RH40291 | \$ 275,870 | \$ 117,624 |
| Research and Development Cluster | 93.912 Total | | | | | | \$ 275,870 | \$ 117,624 |
| Research and Development Cluster | 93.943 | Epidemiologic Research Studies of Acquired Immunodeficiency Syndrome | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | HEALTH AND HOSPITAL CORPORATION OF MARION COUNTY | | \$ 7,052 | \$ - |
| Research and Development Cluster | 93.943 Total | | | | | | \$ 7,052 | \$ - |
| Research and Development Cluster | 93.945 | Assistance Programs for Chronic Disease Prevention and Control | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1U18DP006500 | \$ 351,673 | \$ 256,714 |
| Research and Development Cluster | 93.945 | Assistance Programs for Chronic Disease Prevention and Control | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | NORTHWESTERN UNIVERSITY | 60056845 IUUPI | \$ 47,736 | \$ - |
| Research and Development Cluster | 93.945 Total | | | | | | \$ 399,409 | \$ 256,714 |
| Research and Development Cluster | 93.958 | Block Grants for Community Mental Health Services | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | ESKENAZI HEALTH | 59524 | \$ 4,749 | \$ - |
| Research and Development Cluster | 93.958 | Block Grants for Community Mental Health Services | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | ESKENAZI HEALTH | | \$ 81,110 | \$ - |
| Research and Development Cluster | 93.958 Total | | | | | | \$ 85,859 | \$ - |
| Research and Development Cluster | 93.959 | Block Grants for Prevention and Treatment of Substance Abuse | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | INDIANA DIVISION OF MENTAL HEALTH AND ADDICTION | 0000000000000000000042602 | \$ 64,862 | \$ - |
| Research and Development Cluster | 93.959 | COVID-19 Block Grants for Prevention and Treatment of Substance Abuse | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | INDIANA DIVISION OF MENTAL HEALTH AND ADDICTION | Covid-19, 93.959 | \$ 7,575 | \$ - |
| Research and Development Cluster | 93.959 Total | | | | | | \$ 72,437 | \$ - |
| Research and Development Cluster | 93.976 | Primary Care Medicine and Dentistry Clinician Educator Career Development | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | K02HP45718 | \$ 173,923 | \$ - |
| Research and Development Cluster | 93.976 Total | | | | | | \$ 173,923 | \$ - |
| Research and Development Cluster | 93.989 | International Research and Research Training | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 9043TW010928 | \$ 103,262 | \$ 40,619 |
| Research and Development Cluster | 93.989 | International Research and Research Training | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | D43TW012496 | \$ 160,095 | \$ 78,939 |
| Research and Development Cluster | 93.989 | International Research and Research Training | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | EMORY UNIVERSITY | A391837 | \$ 3,249 | \$ - |
| Research and Development Cluster | 93.989 | International Research and Research Training | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | NEW YORK UNIVERSITY | 19-A0-00-1100413 | \$ 22,953 | \$ - |
| Research and Development Cluster | 93.989 | International Research and Research Training | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF WASHINGTON | UNWSC11257 | \$ 22 | \$ - |
| Research and Development Cluster | 93.989 | International Research and Research Training | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF WASHINGTON | UNWSC14267 | \$ 38,043 | \$ 38,043 |
| Research and Development Cluster | 93.989 | International Research and Research Training | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | GLOBAL HEALTH UGANDA | JPID 00642384/NR 187259 | \$ 45,866 | \$ - |
| Research and Development Cluster | 93.989 Total | | | | | | \$ 373,490 | \$ 157,601 |
| Research and Development Cluster | 93.RD | US Dept of Health & Human Services | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 75D30122D15424 | \$ 147,217 | \$ 33,775 |
| Research and Development Cluster | 93.RD | US Dept of Health & Human Services | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 75N92019D00018 | \$ 935,425 | \$ 230,887 |
| Research and Development Cluster | 93.RD | US Dept of Health & Human Services | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 75N94019C00009 | \$ 309,146 | \$ - |
| Research and Development Cluster | 93.RD | US Dept of Health & Human Services | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | DUKE UNIVERSITY | 243797 | \$ 76,873 | \$ - |
| Research and Development Cluster | 93.RD | US Dept of Health & Human Services | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF ALABAMA BIRMINGHAM | 000524050-T010-004 | \$ 38,696 | \$ - |
| Research and Development Cluster | 93.RD | US Dept of Health & Human Services | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY OF MICHIGAN | SUBK000016156 | \$ 7,630 | \$ - |
| Research and Development Cluster | 93.RD | US Dept of Health & Human Services | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | WAYNE STATE UNIVERSITY | WSU22017 | \$ 223,503 | \$ - |
| Research and Development Cluster | 93.RD | US Dept of Health & Human Services | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | GE MEDICAL SYSTEMS INFORMATION TECHNOLOGIES INC | PO 500000316 | \$ 19,564 | \$ - |
| Research and Development Cluster | 93.RD Total | | | | | | \$ 1,758,054 | \$ 264,662 |
| Research and Development Cluster | 94.026 | AmeriCorps National Service and Civic Engagement Research Corps | CORPORATION FOR NATIONAL AND COMMUNITY SERVICE | Direct | | 22REA1N001 | \$ 284,702 | \$ - |
| Research and Development Cluster | 94.026 | AmeriCorps National Service and Civic Engagement Research Corps | CORPORATION FOR NATIONAL AND COMMUNITY SERVICE | Pass Through | UNIVERSITY OF GEORGIA | SUB00003001 | \$ 59,958 | \$ - |
| Research and Development Cluster | 94.026 Total | | | | | | \$ 344,660 | \$ - |
| Research and Development Cluster | 97.061 | Centers for Homeland Security | HOMELAND SECURITY, DEPARTMENT OF | Pass Through | ARIZONA STATE UNIVERSITY | ASUB00001426 | \$ 108,166 | \$ - |
| Research and Development Cluster | 97.061 Total | | | | | | \$ 108,166 | \$ - |
| Research and Development Cluster | 98.001 | USAID Foreign Assistance for Programs Overseas | AGENCY FOR INTERNATIONAL DEVELOPMENT | Pass Through | PURDUE UNIVERSITY | F9002550402020*F9002550402066 | \$ 238,085 | \$ - |
| Research and Development Cluster | 98.001 | USAID Foreign Assistance for Programs Overseas | AGENCY FOR INTERNATIONAL DEVELOPMENT | Pass Through | UNIVERSITY OF NOTRE DAME | 203776IU | \$ 177,021 | \$ - |
| Research and Development Cluster | 98.001 Total | | | | | | \$ 415,106 | \$ - |
| Research and Development Cluster Total | | | | | | | \$ 455,669,505 | \$ 71,489,077 |
| 477 Cluster | 93.558 | Temporary Assistance for Needy Families | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | INDIANA FAMILY HEALTH COUNCIL | 772756 | \$ 19,680 | \$ - |
| 477 Cluster | 93.558 | Temporary Assistance for Needy Families | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | INDIANA FAMILY HEALTH COUNCIL | 827908 | \$ 65,750 | \$ - |
| 477 Cluster | 93.558 | Temporary Assistance for Needy Families | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | INDIANA DIVISION OF DISABILITY & REHABILITATIVE SERVICE | 00000000000000000000053443 | \$ 970,616 | \$ 221,038 |
| 477 Cluster | 93.558 Total | | | | | | \$ 1,056,046 | \$ 221,038 |
| 477 Cluster | 93.575 | COVID-19 Child Care and Development Block Grant | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | INDIANA FAMILY AND SOCIAL SERVICES ADMINISTRATION | Covid-19, 93.575 | \$ 251,818 | \$ - |
| 477 Cluster | 93.575 Total | | | | | | \$ 251,818 | \$ - |
| Highway Safety Cluster | 20.600 | State and Community Highway Safety | TRANSPORTATION, DEPARTMENT OF | Pass Through | INDIANA CRIMINAL JUSTICE INSTITUTE | 00000000000000000000073349 | \$ 1,307,864 | \$ 221,038 |
| Highway Safety Cluster | 20.600 | State and Community Highway Safety | TRANSPORTATION, DEPARTMENT OF | Pass Through | INDIANA CRIMINAL JUSTICE INSTITUTE | 00000000000000000000080977 | \$ 54,904 | \$ - |
| Highway Safety Cluster | 20.600 Total | | | | | | \$ 73,828 | \$ - |
| Highway Safety Cluster | 20.616 | National Priority Safety Programs | TRANSPORTATION, DEPARTMENT OF | Pass Through | INDIANA CRIMINAL JUSTICE INSTITUTE | 00000000000000000000077853 | \$ 128,732 | \$ - |
| Highway Safety Cluster | 20.616 | National Priority Safety Programs | TRANSPORTATION, DEPARTMENT OF | Pass Through | INDIANA CRIMINAL JUSTICE INSTITUTE | 00000000000000000000072823 | \$ 273,443 | \$ - |
| Highway Safety Cluster | 20.616 Total | | | | | | \$ 83,694 | \$ - |
| Highway Safety Cluster | 20.616 | | | | | | \$ 357,137 | \$ - |
| Highway Safety Cluster Total | | | | | | | \$ 485,869 | \$ - |

| Cluster | Assistance Listing Number | ALN Program Title | Federal Agency Highest Level | Direct or Pass Through | Pass Through Entity | Pass Through Identifier/Federal Award ID | Sum of Federal Expenses | Sub-recipient Expenditures |
|--|---------------------------|---|--|------------------------|---|--|-------------------------|----------------------------|
| TRIO Cluster | 84.042 | TRIO Student Support Services | EDUCATION, DEPARTMENT OF | Direct | | P042A201355 | \$ 327,184 | \$ - |
| TRIO Cluster | 84.042 | TRIO Student Support Services | EDUCATION, DEPARTMENT OF | Direct | | P042A201571 | \$ 407,175 | \$ - |
| TRIO Cluster | 84.042 Total | | | | | | \$ 734,359 | \$ - |
| TRIO Cluster | 84.047 | TRIO Upward Bound | EDUCATION, DEPARTMENT OF | Direct | | P047A171461 | \$ 18,499 | \$ - |
| TRIO Cluster | 84.047 | TRIO Upward Bound | EDUCATION, DEPARTMENT OF | Direct | | P047A171482 | \$ 2,717 | \$ - |
| TRIO Cluster | 84.047 | TRIO Upward Bound | EDUCATION, DEPARTMENT OF | Direct | | P047A221323 | \$ 272,335 | \$ - |
| TRIO Cluster | 84.047 | TRIO Upward Bound | EDUCATION, DEPARTMENT OF | Direct | | P047A221332 | \$ 211,090 | \$ - |
| TRIO Cluster | 84.047 Total | | | | | | \$ 504,641 | \$ - |
| TRIO Cluster Total | | | | | | | \$ 1,239,000 | \$ - |
| Student Financial Assistance Cluster | 84.007 | Federal Supplemental Educational Opportunity Grants | EDUCATION, DEPARTMENT OF | Direct | | | \$ 4,408,175 | \$ - |
| Student Financial Assistance Cluster | 84.007 Total | | | | | | \$ 4,408,175 | \$ - |
| Student Financial Assistance Cluster | 84.033 | Federal Work-Study Program | EDUCATION, DEPARTMENT OF | Direct | | | \$ 4,129,691 | \$ - |
| Student Financial Assistance Cluster | 84.033 Total | | | | | | \$ 4,129,691 | \$ - |
| Student Financial Assistance Cluster | 84.038 | Federal Perkins Loan Program - Loan / Loan Guarantee - beginning | EDUCATION, DEPARTMENT OF | Direct | | | \$ 11,920,556 | \$ - |
| Student Financial Assistance Cluster | 84.038 Total | | | | | | \$ 11,920,556 | \$ - |
| Student Financial Assistance Cluster | 84.063 | Federal Pell Grant Program | EDUCATION, DEPARTMENT OF | Direct | | | \$ 107,290,033 | \$ - |
| Student Financial Assistance Cluster | 84.063 Total | | | | | | \$ 107,290,033 | \$ - |
| Student Financial Assistance Cluster | 84.268 | Federal Direct Student Loans | EDUCATION, DEPARTMENT OF | Direct | | | \$ 417,563,053 | \$ - |
| Student Financial Assistance Cluster | 84.268 Total | | | | | | \$ 417,563,053 | \$ - |
| Student Financial Assistance Cluster | 84.408 | Postsecondary Education Scholarships for Veteran's Dependents | EDUCATION, DEPARTMENT OF | Direct | | | \$ 6,973 | \$ - |
| Student Financial Assistance Cluster | 84.408 Total | | | | | | \$ 6,973 | \$ - |
| Student Financial Assistance Cluster | 93.264 | Nurse Faculty Loan Program - beginning loan balance | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | | \$ 837,997 | \$ - |
| Student Financial Assistance Cluster | 93.264 | Nurse Faculty Loan Program - new loans | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | | \$ 168,371 | \$ - |
| Student Financial Assistance Cluster | 93.264 Total | | | | | | \$ 1,006,368 | \$ - |
| Student Financial Assistance Cluster | 93.342 | Health Professions Student Loans, Including Primary Care Loans and | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | | \$ 24,290,019 | \$ - |
| Student Financial Assistance Cluster | 93.342 | Health Professions Student Loans, Including Primary Care Loans and | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | | \$ 4,181,964 | \$ - |
| Student Financial Assistance Cluster | 93.342 Total | | | | | | \$ 28,471,983 | \$ - |
| Student Financial Assistance Cluster | 93.364 | Nursing Student Loans - beginning loan balance | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | | \$ 2,595,871 | \$ - |
| Student Financial Assistance Cluster | 93.364 | Nursing Student Loans - new loans | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | | \$ 722,158 | \$ - |
| Student Financial Assistance Cluster | 93.364 Total | | | | | | \$ 3,318,029 | \$ - |
| Student Financial Assistance Cluster Total | | | | | | | \$ 578,114,861 | \$ - |
| SNAP Cluster | 10.561 | State Administrative Matching Grants for the Supplemental Nutrition | AGRICULTURE, DEPARTMENT OF | Pass Through | INDIANA DEPARTMENT OF HEALTH | 0000000000000000000072645 | \$ 23,664 | \$ - |
| SNAP Cluster | 10.561 Total | | | | | | \$ 23,664 | \$ - |
| SNAP Cluster Total | | | | | | | \$ 23,664 | \$ - |
| Medicaid Cluster | 93.778 | COVID-19 Medical Assistance Program | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | INDIANA FAMILY AND SOCIAL SERVICES ADMINISTRATION | Covid-19, 93.778 | \$ 526,417 | \$ - |
| Medicaid Cluster | 93.778 Total | | | | | | \$ 526,417 | \$ - |
| Medicaid Cluster Total | | | | | | | \$ 526,417 | \$ - |
| | 10.177 | Regional Food System Partnerships | AGRICULTURE, DEPARTMENT OF | Pass Through | NORTHWEST INDIANA FOOD COUNCIL | RFSP2001 | \$ 9,249 | \$ - |
| | 10.177 Total | | | | | | \$ 9,249 | \$ - |
| | 10.215 | Sustainable Agriculture Research and Education | AGRICULTURE, DEPARTMENT OF | Pass Through | UNIVERSITY OF MINNESOTA | H009987609 | \$ 9,501 | \$ 2,536 |
| | 10.215 Total | | | | | | \$ 9,501 | \$ 2,536 |
| | 10.310 | Agriculture and Food Research Initiative (AFRI) | AGRICULTURE, DEPARTMENT OF | Direct | | 2023-67013-40528 | \$ 24,955 | \$ - |
| | 10.310 Total | | | | | | \$ 24,955 | \$ - |
| | 10.351 | Rural Business Development Grant | AGRICULTURE, DEPARTMENT OF | Direct | | 15-053-454649050 | \$ 12,187 | \$ - |
| | 10.351 Total | | | | | | \$ 12,187 | \$ - |
| | 10.558 | Child and Adult Care Food Program | AGRICULTURE, DEPARTMENT OF | Pass Through | INDIANA DEPARTMENT OF EDUCATION | I490103 | \$ 43,452 | \$ - |
| | 10.558 | Child and Adult Care Food Program | AGRICULTURE, DEPARTMENT OF | Pass Through | INDIANA DEPARTMENT OF EDUCATION | 1530020 | \$ 39,183 | \$ - |
| | 10.558 Total | | | | | | \$ 82,635 | \$ - |
| | 10.727 | Inflation Reduction Act Urban & Community Forestry Program | AGRICULTURE, DEPARTMENT OF | Direct | | 24-DG-11094200-040 | \$ 44,856 | \$ - |
| | 10.727 Total | | | | | | \$ 44,856 | \$ - |
| | 10.U01 | USDA Contracts & Cooperative Agreements | AGRICULTURE, DEPARTMENT OF | Direct | | 18-CS-11091200-023 | \$ 3,940 | \$ - |
| | 10.U01 | USDA Contracts & Cooperative Agreements | AGRICULTURE, DEPARTMENT OF | Direct | | 22-CS-11091200-007 | \$ 8,113 | \$ - |
| | 10.U01 | USDA Contracts & Cooperative Agreements | AGRICULTURE, DEPARTMENT OF | Pass Through | NORTH CENTRAL INDIANA REGIONAL PLANNING COUNCIL | RCD1 Valcke | \$ 7,426 | \$ - |
| | 10.U01 Total | | | | | | \$ 19,479 | \$ - |
| | 10.U02 | USDA Contracts & Cooperative Agreements | AGRICULTURE, DEPARTMENT OF | Direct | | 19-CS-11132466-002 | \$ 190,884 | \$ - |
| | 10.U02 Total | | | | | | \$ 190,884 | \$ - |
| | 10.U03 | USDA Contracts & Cooperative Agreements | AGRICULTURE, DEPARTMENT OF | Direct | | 23-CS-11132424-422 | \$ 70,337 | \$ - |
| | 10.U03 Total | | | | | | \$ 70,337 | \$ - |
| | 11.017 | Ocean Acidification Program (OAP) | COMMERCE, DEPARTMENT OF | Direct | | NA22OAR0170211 | \$ 6,354 | \$ - |
| | 11.017 Total | | | | | | \$ 6,354 | \$ - |
| | 11.609 | Measurement and Engineering Research and Standards | COMMERCE, DEPARTMENT OF | Direct | | 70NANB21H022 | \$ 2,393,920 | \$ - |
| | 11.609 Total | | | | | | \$ 2,393,920 | \$ - |
| | 11.U01 | US Department of Commerce | COMMERCE, DEPARTMENT OF | Direct | | 1305M222PNCNA0266 | \$ 4,759 | \$ - |
| | 11.U01 Total | | | | | | \$ 4,759 | \$ - |
| | 11.U02 | US Department of Commerce | COMMERCE, DEPARTMENT OF | Direct | | 22129009-0000-000 | \$ 65,214 | \$ - |
| | 11.U02 Total | | | | | | \$ 65,214 | \$ - |
| | 12.300 | Basic and Applied Scientific Research | DEPT OF DEFENSE | Direct | | N00014-20-1-2805 | \$ (10,200) | \$ - |
| | 12.300 Total | | | | | | \$ (10,200) | \$ - |
| | 12.357 | ROTC Language and Culture Training Grants | DEPT OF DEFENSE | Pass Through | INSTITUTE OF INTERNATIONAL EDUCATION | PGO1801-IU-05-LTC-052-PO10 | \$ 7,428 | \$ - |
| | 12.357 | ROTC Language and Culture Training Grants | DEPT OF DEFENSE | Pass Through | INSTITUTE OF INTERNATIONAL EDUCATION | PGO1801-IU-05-PGO-051-PO11 | \$ 269,857 | \$ - |
| | 12.357 | ROTC Language and Culture Training Grants | DEPT OF DEFENSE | Pass Through | INSTITUTE OF INTERNATIONAL EDUCATION | PGO2301-IU-05-LTC-PO1 | \$ 1,944,578 | \$ - |
| | 12.357 | ROTC Language and Culture Training Grants | DEPT OF DEFENSE | Pass Through | INSTITUTE OF INTERNATIONAL EDUCATION | PGO2301-IU-05-PGO-PO2 | \$ 543,794 | \$ - |
| | 12.357 Total | | | | | | \$ 2,765,657 | \$ - |
| | 12.420 | Military Medical Research and Development | DEPT OF DEFENSE | Pass Through | CORNELL UNIVERSITY | 09010049 / W81XWH-09-1-0596 | \$ 10,776 | \$ - |
| | 12.420 Total | | | | | | \$ 10,776 | \$ - |
| | 12.431 | Basic Scientific Research | DEPT OF DEFENSE | Direct | | W911NF-23-2-0107 | \$ 237,887 | \$ - |
| | 12.431 Total | | | | | | \$ 237,887 | \$ - |
| | 12.550 | The Language Flagship Grants to Institutions of Higher Education | DEPT OF DEFENSE | Pass Through | INSTITUTE OF INTERNATIONAL EDUCATION | 0054-IU-5 | \$ 346,239 | \$ - |
| | 12.550 | The Language Flagship Grants to Institutions of Higher Education | DEPT OF DEFENSE | Pass Through | INSTITUTE OF INTERNATIONAL EDUCATION | 0054-IU-5-SSC-280-PO23 | \$ 463,465 | \$ - |
| | 12.550 | The Language Flagship Grants to Institutions of Higher Education | DEPT OF DEFENSE | Pass Through | INSTITUTE OF INTERNATIONAL EDUCATION | BOR21-IU-5-ARA | \$ 406,847 | \$ - |
| | 12.550 | The Language Flagship Grants to Institutions of Higher Education | DEPT OF DEFENSE | Pass Through | INSTITUTE OF INTERNATIONAL EDUCATION | BOR21-IU-5-CULTURE-PO4 | \$ 395,195 | \$ - |
| | 12.550 | The Language Flagship Grants to Institutions of Higher Education | DEPT OF DEFENSE | Pass Through | INSTITUTE OF INTERNATIONAL EDUCATION | BOR21-IU-5-SSC-PO9 | \$ 111,125 | \$ - |
| | 12.550 Total | | | | | | \$ 1,722,871 | \$ - |
| | 12.U01 | US Department of Defense | DEPT OF DEFENSE | Pass Through | UNIVERSITY OF CALIFORNIA, SAN FRANCISCO | CS-2018-0009 | \$ 27,200 | \$ - |
| | 12.U01 Total | | | | | | \$ 27,200 | \$ - |
| | 14.219 | Community Development Block Grants/Small Cities Program | HOUSING AND URBAN DEVELOPMENT, DEPARTMENT OF | Pass Through | INDIANA OFFICE COMMUNITY & RURAL AFFAIRS | 0000000000000000000052079 | \$ 88,257 | \$ 7,217 |
| | 14.219 Total | | | | | | \$ 88,257 | \$ 7,217 |
| | 15.073 | Earth Mapping Resources Initiative | INTERIOR, DEPARTMENT OF THE | Pass Through | UNIVERSITY OF ILLINOIS | 113979-19649 | \$ 22,892 | \$ - |
| | 15.073 | Earth Mapping Resources Initiative | INTERIOR, DEPARTMENT OF THE | Pass Through | UNIVERSITY OF KANSAS CENTER FOR RESEARCH | FY2023-073 | \$ 40,820 | \$ - |
| | 15.073 Total | | | | | | \$ 63,712 | \$ - |
| | 15.808 | U.S. Geological Survey Research and Data Collection | INTERIOR, DEPARTMENT OF THE | Direct | | G22AC00109 | \$ (288) | \$ - |
| | 15.808 Total | | | | | | \$ (288) | \$ - |
| | 15.810 | National Cooperative Geologic Mapping | INTERIOR, DEPARTMENT OF THE | Direct | | G23AC00406 | \$ 214,651 | \$ - |
| | 15.810 Total | | | | | | \$ 214,651 | \$ - |
| | 15.945 | Cooperative Research and Training Programs - Resources of the Na | INTERIOR, DEPARTMENT OF THE | Direct | | P19AC01158 | \$ 8,223 | \$ - |
| | 15.945 | Cooperative Research and Training Programs - Resources of the Na | INTERIOR, DEPARTMENT OF THE | Direct | | P20AC00010*P20AC01099 | \$ 1,069 | \$ - |
| | 15.945 | Cooperative Research and Training Programs - Resources of the Na | INTERIOR, DEPARTMENT OF THE | Direct | | P20AC00010*P23AC00816 | \$ 68,147 | \$ - |
| | 15.945 | Cooperative Research and Training Programs - Resources of the Na | INTERIOR, DEPARTMENT OF THE | Direct | | P22AC002376 | \$ 4,579 | \$ - |
| | 15.945 Total | | | | | | \$ 82,018 | \$ - |
| | 15.980 | National Ground-Water Monitoring Network | INTERIOR, DEPARTMENT OF THE | Direct | | G23AC00135 | \$ 29,436 | \$ - |
| | 15.980 | National Ground-Water Monitoring Network | INTERIOR, DEPARTMENT OF THE | Direct | | G23AC00300 | \$ 72,311 | \$ - |
| | 15.980 Total | | | | | | \$ 101,747 | \$ - |
| | 16.525 | Grants to Reduce Domestic Violence, Dating Violence, Sexual Assault | JUSTICE, DEPARTMENT OF | Direct | | 15JOVW-21-GG-01052-CAMP | \$ 109,401 | \$ - |

31

| Cluster | Assistance Listing Number | ALN Program Title | Federal Agency Highest Level | Direct or Pass Through | Pass Through Entity | Pass Through Identifier/Federal Award ID | Sum of Federal Expenses | Sub-recipient Expenditures |
|---------|---------------------------|--|--|------------------------|--|--|-------------------------|----------------------------|
| | 81.089 Total | | | | | | \$ 29,263 | \$ - |
| | 81.U01 | US Department of Energy | ENERGY, DEPARTMENT OF | Pass Through | BROOKHAVEN NATIONAL LABORATORY | 391668 | \$ (3,825) | \$ - |
| | 81.U01 Total | | | | | | \$ (3,825) | \$ - |
| | 81.U02 | US Department of Energy | ENERGY, DEPARTMENT OF | Pass Through | UT-BATTELLE LLC | 779291 | \$ 29,253 | \$ - |
| | 81.U02 Total | | | | | | \$ 29,253 | \$ - |
| | 81.U03 | US Department of Energy | ENERGY, DEPARTMENT OF | Pass Through | BROOKHAVEN NATIONAL LABORATORY | 429595 | \$ 11,724 | \$ - |
| | 81.U03 Total | | | | | | \$ 11,724 | \$ - |
| | 84.004 | Civil Rights Training and Advisory Services (also known as Equity Assistance) | EDUCATION, DEPARTMENT OF | Direct | | S004D220003 | \$ 1,671,679 | \$ - |
| | 84.004 Total | | | | | | \$ 1,671,679 | \$ - |
| | 84.015 | National Resource Centers Program for Foreign Language and Area Studies | EDUCATION, DEPARTMENT OF | Direct | | P015A180065 | \$ 22,791 | \$ - |
| | 84.015 | National Resource Centers Program for Foreign Language and Area Studies | EDUCATION, DEPARTMENT OF | Direct | | P015A180097 | \$ 24,147 | \$ - |
| | 84.015 | National Resource Centers Program for Foreign Language and Area Studies | EDUCATION, DEPARTMENT OF | Direct | | P015A180102 | \$ (1,645) | \$ - |
| | 84.015 | National Resource Centers Program for Foreign Language and Area Studies | EDUCATION, DEPARTMENT OF | Direct | | P015A180119 | \$ 60,094 | \$ 41,765 |
| | 84.015 | National Resource Centers Program for Foreign Language and Area Studies | EDUCATION, DEPARTMENT OF | Direct | | P015A180142 | \$ 13,467 | \$ - |
| | 84.015 | National Resource Centers Program for Foreign Language and Area Studies | EDUCATION, DEPARTMENT OF | Direct | | P015A180152 | \$ 12,894 | \$ - |
| | 84.015 | National Resource Centers Program for Foreign Language and Area Studies | EDUCATION, DEPARTMENT OF | Direct | | P015A220081 | \$ 259,666 | \$ 1,168 |
| | 84.015 | National Resource Centers Program for Foreign Language and Area Studies | EDUCATION, DEPARTMENT OF | Direct | | P015A220089 | \$ 290,950 | \$ 1,752 |
| | 84.015 | National Resource Centers Program for Foreign Language and Area Studies | EDUCATION, DEPARTMENT OF | Direct | | P015A220102 | \$ 222,556 | \$ - |
| | 84.015 | National Resource Centers Program for Foreign Language and Area Studies | EDUCATION, DEPARTMENT OF | Direct | | P015A220106 | \$ 239,317 | \$ - |
| | 84.015 | National Resource Centers Program for Foreign Language and Area Studies | EDUCATION, DEPARTMENT OF | Direct | | P015A220130 | \$ 232,439 | \$ - |
| | 84.015 | National Resource Centers Program for Foreign Language and Area Studies | EDUCATION, DEPARTMENT OF | Direct | | P015A220142 | \$ 204,586 | \$ - |
| | 84.015 | National Resource Centers Program for Foreign Language and Area Studies | EDUCATION, DEPARTMENT OF | Direct | | P015B180065 | \$ (127,091) | \$ - |
| | 84.015 | National Resource Centers Program for Foreign Language and Area Studies | EDUCATION, DEPARTMENT OF | Direct | | P015B180101 | \$ (16,068) | \$ - |
| | 84.015 | National Resource Centers Program for Foreign Language and Area Studies | EDUCATION, DEPARTMENT OF | Direct | | P015B180119 | \$ (39,036) | \$ 15,274 |
| | 84.015 | National Resource Centers Program for Foreign Language and Area Studies | EDUCATION, DEPARTMENT OF | Direct | | P015B180152 | \$ 7,500 | \$ - |
| | 84.015 | National Resource Centers Program for Foreign Language and Area Studies | EDUCATION, DEPARTMENT OF | Direct | | P015B180156 | \$ (129,911) | \$ - |
| | 84.015 | National Resource Centers Program for Foreign Language and Area Studies | EDUCATION, DEPARTMENT OF | Direct | | P015B220072 | \$ 346,366 | \$ - |
| | 84.015 | National Resource Centers Program for Foreign Language and Area Studies | EDUCATION, DEPARTMENT OF | Direct | | P015B220082 | \$ 288,358 | \$ - |
| | 84.015 | National Resource Centers Program for Foreign Language and Area Studies | EDUCATION, DEPARTMENT OF | Direct | | P015B220091 | \$ 355,783 | \$ - |
| | 84.015 | National Resource Centers Program for Foreign Language and Area Studies | EDUCATION, DEPARTMENT OF | Direct | | P015B220104 | \$ 292,334 | \$ - |
| | 84.015 | National Resource Centers Program for Foreign Language and Area Studies | EDUCATION, DEPARTMENT OF | Direct | | P015B220108 | \$ 282,188 | \$ - |
| | 84.015 | National Resource Centers Program for Foreign Language and Area Studies | EDUCATION, DEPARTMENT OF | Direct | | P015B220127 | \$ 216,177 | \$ - |
| | 84.015 | National Resource Centers Program for Foreign Language and Area Studies | EDUCATION, DEPARTMENT OF | Direct | | P015B220129 | \$ 398,340 | \$ - |
| | 84.015 | National Resource Centers Program for Foreign Language and Area Studies | EDUCATION, DEPARTMENT OF | Direct | | P015B220134 | \$ 223,376 | \$ - |
| | 84.015 | National Resource Centers Program for Foreign Language and Area Studies | EDUCATION, DEPARTMENT OF | Direct | | P015A180094 | \$ 11,811 | \$ - |
| | 84.015 Total | | | | | | \$ 3,691,329 | \$ 59,959 |
| | 84.016 | Undergraduate International Studies and Foreign Language Programs | EDUCATION, DEPARTMENT OF | Direct | | P016A200016 | \$ 60,021 | \$ 12,319 |
| | 84.016 Total | | | | | | \$ 60,021 | \$ 12,319 |
| | 84.019 | Overseas Programs - Faculty Research Abroad | EDUCATION, DEPARTMENT OF | Direct | | P019A220021 | \$ 6,781 | \$ - |
| | 84.019 Total | | | | | | \$ 6,781 | \$ - |
| | 84.031 | Higher Education Institutional Aid | EDUCATION, DEPARTMENT OF | Direct | | P031C210109 | \$ 971,053 | \$ 118,699 |
| | 84.031 | Higher Education Institutional Aid | EDUCATION, DEPARTMENT OF | Direct | | P031S220097 | \$ 475,628 | \$ - |
| | 84.031 Total | | | | | | \$ 1,446,681 | \$ 118,699 |
| | 84.184 | School Safety National Activities | EDUCATION, DEPARTMENT OF | Direct | | S184X230053 | \$ 775,880 | \$ - |
| | 84.184 | School Safety National Activities | EDUCATION, DEPARTMENT OF | Direct | | S184X230175 | \$ 406,220 | \$ - |
| | 84.184 | School Safety National Activities | EDUCATION, DEPARTMENT OF | Pass Through | RICHLAND-BEAN BLOSSOM COMMUNITY SCHOOL CORPORATION | Z02157 | \$ 144,235 | \$ - |
| | 84.184 | School Safety National Activities | EDUCATION, DEPARTMENT OF | Pass Through | RICHLAND-BEAN BLOSSOM COMMUNITY SCHOOL CORPORATION | 167083 | \$ 180,856 | \$ - |
| | 84.184 Total | | | | | | \$ 1,507,191 | \$ - |
| | 84.215 | Innovative Approaches to Literacy; Promise Neighborhoods; Full-Scale Community Schools | EDUCATION, DEPARTMENT OF | Pass Through | MARIAN UNIVERSITY | 201933 | \$ 51,161 | \$ - |
| | 84.215 | Innovative Approaches to Literacy; Promise Neighborhoods; Full-Scale Community Schools | EDUCATION, DEPARTMENT OF | Pass Through | MARIAN UNIVERSITY | | \$ 36,486 | \$ - |
| | 84.215 Total | | | | | | \$ 87,647 | \$ - |
| | 84.220 | Centers for International Business Education | EDUCATION, DEPARTMENT OF | Direct | | P220A180008 | \$ 165,211 | \$ 14,342 |
| | 84.220 | Centers for International Business Education | EDUCATION, DEPARTMENT OF | Direct | | P220A220003 | \$ 328,228 | \$ 17,626 |
| | 84.220 Total | | | | | | \$ 493,439 | \$ 31,968 |
| | 84.229 | Language Resource Centers | EDUCATION, DEPARTMENT OF | Direct | | P229A180011 | \$ (14,654) | \$ - |
| | 84.229 | Language Resource Centers | EDUCATION, DEPARTMENT OF | Direct | | P229A180018 | \$ 33,652 | \$ - |
| | 84.229 | Language Resource Centers | EDUCATION, DEPARTMENT OF | Direct | | P229A220014 | \$ 265,221 | \$ 1,168 |
| | 84.229 | Language Resource Centers | EDUCATION, DEPARTMENT OF | Direct | | P229A220017 | \$ 119,290 | \$ - |
| | 84.229 Total | | | | | | \$ 403,509 | \$ 1,168 |
| | 84.287 | Twenty-First Century Community Learning Centers | EDUCATION, DEPARTMENT OF | Pass Through | KENTUCKY DEPARTMENT OF EDUCATION | S287C210017 | \$ 143,414 | \$ - |
| | 84.287 | Twenty-First Century Community Learning Centers | EDUCATION, DEPARTMENT OF | Pass Through | KENTUCKY DEPARTMENT OF EDUCATION | S287C220017 | \$ 328,680 | \$ - |
| | 84.287 Total | | | | | | \$ 472,094 | \$ - |
| | 84.323 | Special Education - State Personnel Development | EDUCATION, DEPARTMENT OF | Pass Through | INDIANA DEPARTMENT OF EDUCATION | 00000000000000000000000049324 | \$ 308,601 | \$ - |
| | 84.323 | Special Education - State Personnel Development | EDUCATION, DEPARTMENT OF | Pass Through | INDIANA DEPARTMENT OF EDUCATION | 000000000000000000000000713~0000000 | \$ 988,632 | \$ - |
| | 84.323 Total | | | | | | \$ 1,297,233 | \$ - |
| | 84.365 | English Language Acquisition State Grants | EDUCATION, DEPARTMENT OF | Direct | | 173652220109 | \$ 506,453 | \$ - |
| | 84.365 Total | | | | | | \$ 506,453 | \$ - |
| | 84.407 | Transition Programs for Students with Intellectual Disabilities into Postsecondary Education | EDUCATION, DEPARTMENT OF | Pass Through | UNIVERSITY OF MASSACHUSETTS | UMBOS-09608 | \$ 2,150 | \$ - |
| | 84.407 Total | | | | | | \$ 2,150 | \$ - |
| | 84.425U | COVID-19 Education Stabilization Fund | EDUCATION, DEPARTMENT OF | Pass Through | INDIANA DEPARTMENT OF EDUCATION | Covid-19, 84.425 | \$ 2,696,289 | \$ 844,567 |
| | 84.425U Total | | | | | | \$ 2,696,289 | \$ 844,567 |
| | 84.U01 | US Department of Education | EDUCATION, DEPARTMENT OF | Pass Through | INDIANA FAMILY AND SOCIAL SERVICES ADMINISTRATION | 0000000000000000000000052823 | \$ 2 | \$ - |
| | 84.U01 Total | | | | | | \$ 2 | \$ - |
| | 84.U02 | US Department of Education | EDUCATION, DEPARTMENT OF | Pass Through | INDIANA FAMILY AND SOCIAL SERVICES ADMINISTRATION | 0000000000000000000000052823 | \$ 50,345 | \$ - |
| | 84.U02 Total | | | | | | \$ 50,345 | \$ - |
| | 89.003 | National Historical Publications and Records Grants | NATIONAL ARCHIVES AND RECORDS ADMINISTRATION | Direct | | PE-103394-22 | \$ (936) | \$ - |
| | 89.003 | National Historical Publications and Records Grants | NATIONAL ARCHIVES AND RECORDS ADMINISTRATION | Direct | | PE-103585-23 | \$ 131,574 | \$ - |
| | 89.003 Total | | | | | | \$ 130,638 | \$ - |
| | 93.067 | Global AIDS | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | PATH | CDC.579284-01707759.0 | \$ 251,365 | \$ 237,410 |
| | 93.067 Total | | | | | | \$ 251,365 | \$ 237,410 |
| | 93.070 | Environmental Public Health and Emergency Response | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | INDIANA DEPARTMENT OF HEALTH | 0000000000000000000000065637 | \$ 9,233 | \$ - |
| | 93.070 | Environmental Public Health and Emergency Response | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | INDIANA DEPARTMENT OF HEALTH | 0000000000000000000000075225 | \$ 40,482 | \$ - |
| | 93.070 Total | | | | | | \$ 49,715 | \$ - |
| | 93.073 | Birth Defects and Developmental Disabilities - Prevention and Surveillance | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | NU01DD000026 | \$ 203,433 | \$ 71,844 |
| | 93.073 Total | | | | | | \$ 203,433 | \$ 71,844 |
| | 93.107 | Area Health Education Centers | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | U77HP23068 | \$ 1,356,249 | \$ 1,089,322 |
| | 93.107 Total | | | | | | \$ 1,356,249 | \$ 1,089,322 |
| | 93.110 | Maternal and Child Health Federal Consolidated Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 1T1CMC35358 | \$ 66,010 | \$ - |
| | 93.110 | Maternal and Child Health Federal Consolidated Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | UNIVERSITY HOSPITALS (CLEVELAND) | U11MC43532 | \$ 88,269 | \$ - |
| | 93.110 Total | | | | | | \$ 154,279 | \$ - |
| | 93.127 | Emergency Medical Services for Children | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | H33MC11304 | \$ 196,688 | \$ 98,445 |
| | 93.127 Total | | | | | | \$ 196,688 | \$ 98,445 |
| | 93.130 | Cooperative Agreements to States/Territories for the Coordination of Health and Human Services | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | INDIANA DEPARTMENT OF HEALTH | 000000000000000000000073443 | \$ 6,426 | \$ - |
| | 93.130 Total | | | | | | \$ 6,426 | \$ - |
| | 93.136 | Injury Prevention and Control Research and State and Community Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | HEALTH AND HOSPITAL CORPORATION OF MARION COUNTY | IU FSPH CHP - OD2A: LOCAL Y1 Compon | \$ 109,545 | \$ - |
| | 93.136 | Injury Prevention and Control Research and State and Community Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | HEALTH AND HOSPITAL CORPORATION OF MARION COUNTY | IU FSPH CHP - OD2A: LOCAL Y1 Compon | \$ 8,702 | \$ - |
| | 93.136 | Injury Prevention and Control Research and State and Community Programs | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | HEALTH AND HOSPITAL CORPORATION OF MARION COUNTY | PO 2500009776 | \$ 24,744 | \$ - |

33

| Cluster | Assistance Listing Number | ALN Program Title | Federal Agency Highest Level | Direct or Pass Through | Pass Through Entity | Pass Through Identifier/Federal Award ID | Sum of Federal Expenses | Sub-recipient Expenditures |
|------------------|---------------------------|---|--|------------------------|---|--|-------------------------|----------------------------|
| | 93.914 | HIV Emergency Relief Project Grants | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | MARION COUNTY HEALTH DEPARTMENT | CW2046652 | \$ 40,902 | \$ - |
| | 93.914 Total | | | | | | \$ 75,888 | \$ - |
| | 93.917 | HIV Care Formula Grants | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | HEALTH FOUNDATION OF GREATER INDIANAPOLIS | 21-1488 | \$ (10,266) | \$ - |
| | 93.917 | HIV Care Formula Grants | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | INDIANA AIDS FUND | | \$ 3,819 | \$ - |
| | 93.917 | HIV Care Formula Grants | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | INDIANA AIDS FUND | 21-1488 | \$ 20,010 | \$ - |
| | 93.917 Total | | | | | | \$ 13,563 | \$ - |
| | 93.926 | Healthy Start Initiative | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | U1VMC46322 | \$ 524,685 | \$ - |
| | 93.926 Total | | | | | | \$ 524,685 | \$ - |
| | 93.959 | Block Grants for Prevention and Treatment of Substance Abuse | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | INDIANA DIVISION OF MENTAL HEALTH AND ADDICTION | 000000000000000000000028028 | \$ 1,386,913 | \$ - |
| | 93.959 | COVID-19 Block Grants for Prevention and Treatment of Substance Abuse | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | INDIANA DIVISION OF MENTAL HEALTH AND ADDICTION | Covid-19, 93.959 | \$ 107,798 | \$ - |
| | 93.959 Total | | | | | | \$ 1,496,711 | \$ - |
| | 93.967 | Centers for Disease Control and Prevention Collaboration with Acad | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | HEALTH AND HOSPITAL CORPORATION OF MARION COUNTY | CW2053701 | \$ 262,262 | \$ - |
| | 93.967 | Centers for Disease Control and Prevention Collaboration with Acad | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | INDIANA DEPARTMENT OF HEALTH | 000000000000000000000074958 | \$ 57,975 | \$ - |
| | 93.967 | Centers for Disease Control and Prevention Collaboration with Acad | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | INDIANA DEPARTMENT OF HEALTH | 0000000000000000000000082841 | \$ 39,696 | \$ - |
| | 93.967 Total | | | | | | \$ 359,933 | \$ - |
| | 93.969 | PPHF Geriatric Education Centers | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | U1QHP28719 | \$ 876,005 | \$ 378,752 |
| | 93.969 Total | | | | | | \$ 876,005 | \$ 378,752 |
| | 93.991 | Preventive Health and Health Services Block Grant | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | INDIANA DEPARTMENT OF HEALTH | 000000000000000000000067068 | \$ 117,342 | \$ 32,500 |
| | 93.991 | Preventive Health and Health Services Block Grant | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | INDIANA DEPARTMENT OF HEALTH | 000000000000000000000075712 | \$ 164,796 | \$ - |
| | 93.991 Total | | | | | | \$ 282,138 | \$ 32,500 |
| | 93.994 | Maternal and Child Health Services Block Grant to the States | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | INDIANA DEPARTMENT OF HEALTH | 0000000000000000000000056801 | \$ 22,981 | \$ - |
| | 93.994 | Maternal and Child Health Services Block Grant to the States | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | INDIANA DEPARTMENT OF HEALTH | 0000000000000000000000056933 | \$ 91,585 | \$ - |
| | 93.994 | Maternal and Child Health Services Block Grant to the States | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | INDIANA DEPARTMENT OF HEALTH | 0000000000000000000000057767 | \$ 310,340 | \$ - |
| | 93.994 | Maternal and Child Health Services Block Grant to the States | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | INDIANA DEPARTMENT OF HEALTH | 0000000000000000000000058808 | \$ 25,185 | \$ - |
| | 93.994 | Maternal and Child Health Services Block Grant to the States | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | INDIANA DEPARTMENT OF HEALTH | 0000000000000000000000074698 | \$ 57,225 | \$ - |
| | 93.994 | Maternal and Child Health Services Block Grant to the States | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | INDIANA DEPARTMENT OF HEALTH | 0000000000000000000000079852 | \$ 337,976 | \$ - |
| | 93.994 Total | | | | | | \$ 845,292 | \$ - |
| | 93.U01 | US Dept of Health & Human Services | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | ASSOCIATION OF UNIVERSITY CENTERS ON DISABILITIES | | \$ 3,756 | \$ - |
| | 93.U01 | US Dept of Health & Human Services | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | AMERICAN ACADEMY OF PEDIATRICS | 803469 | \$ 2,541 | \$ - |
| | 93.U01 | US Dept of Health & Human Services | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Pass Through | AMERICAN ACADEMY OF PEDIATRICS | 818603 | \$ 1,137 | \$ - |
| | 93.U01 Total | | | | | | \$ 7,434 | \$ - |
| | 93.U04 | US Dept of Health & Human Services | HEALTH AND HUMAN SERVICES, DEPARTMENT OF | Direct | | 75F40120C00066 | \$ 325,325 | \$ - |
| | 93.U04 Total | | | | | | \$ 325,325 | \$ - |
| | 94.006 | AmeriCorps State and National 94.006 | CORPORATION FOR NATIONAL AND COMMUNITY SERVICE | Pass Through | INDIANA DEPARTMENT OF WORKFORCE DEVELOPMENT | 000000000000000000000067654 | \$ 17,641 | \$ - |
| | 94.006 | AmeriCorps State and National 94.006 | CORPORATION FOR NATIONAL AND COMMUNITY SERVICE | Pass Through | INDIANA DEPARTMENT OF WORKFORCE DEVELOPMENT | 000000000000000000000076221 | \$ 67,631 | \$ - |
| | 94.006 | AmeriCorps State and National 94.006 | CORPORATION FOR NATIONAL AND COMMUNITY SERVICE | Pass Through | INDIANA DEPARTMENT OF WORKFORCE DEVELOPMENT | 000000000000000000000078069 | \$ 95,673 | \$ - |
| | 94.006 | AmeriCorps State and National 94.006 | CORPORATION FOR NATIONAL AND COMMUNITY SERVICE | Pass Through | COLLEGE ADVISING CORPS | 764567 | \$ 2,946 | \$ - |
| | 94.006 | AmeriCorps State and National 94.006 | CORPORATION FOR NATIONAL AND COMMUNITY SERVICE | Pass Through | COLLEGE ADVISING CORPS | 767459 | \$ 64,194 | \$ - |
| | 94.006 Total | | | | | | \$ 248,085 | \$ - |
| | 97.039 | Hazard Mitigation Grant | HOMELAND SECURITY, DEPARTMENT OF | Pass Through | INDIANA DEPARTMENT OF HOMELAND SECURITY | 000000000000000000000084449 | \$ 45,724 | \$ - |
| | 97.039 Total | | | | | | \$ 45,724 | \$ - |
| | 97.045 | Cooperating Technical Partners | HOMELAND SECURITY, DEPARTMENT OF | Direct | | EMC-2018-CA-00003 | \$ 16,497 | \$ - |
| | 97.045 | Cooperating Technical Partners | HOMELAND SECURITY, DEPARTMENT OF | Direct | | EMC-2019-CA-APP-00013 | \$ 15,311 | \$ - |
| | 97.045 | Cooperating Technical Partners | HOMELAND SECURITY, DEPARTMENT OF | Direct | | EMC-2020-CA-00010-S01 | \$ 54,134 | \$ - |
| | 97.045 | Cooperating Technical Partners | HOMELAND SECURITY, DEPARTMENT OF | Direct | | EMC-2021-CA-00006 | \$ 110,401 | \$ - |
| | 97.045 | Cooperating Technical Partners | HOMELAND SECURITY, DEPARTMENT OF | Direct | | EMC-2022-CA-00015-S01 | \$ 165,247 | \$ - |
| | 97.045 | Cooperating Technical Partners | HOMELAND SECURITY, DEPARTMENT OF | Direct | | EMC-2023-CA-05008 | \$ 75,233 | \$ - |
| | 97.045 | Cooperating Technical Partners | HOMELAND SECURITY, DEPARTMENT OF | Direct | | EMS-2022-CA-00022-S01 | \$ 69,447 | \$ 43,393 |
| | 97.045 | Cooperating Technical Partners | HOMELAND SECURITY, DEPARTMENT OF | Direct | | EMS-2023-CA-05013 | \$ 150,531 | \$ 83,051 |
| | 97.045 Total | | | | | | \$ 656,801 | \$ 126,444 |
| | 97.047 | BRIC: Building Resilient Infrastructure and Communities | HOMELAND SECURITY, DEPARTMENT OF | Pass Through | INDIANA DEPARTMENT OF HOMELAND SECURITY | 000000000000000000000072640 | \$ 169,841 | \$ - |
| | 97.047 | BRIC: Building Resilient Infrastructure and Communities | HOMELAND SECURITY, DEPARTMENT OF | Pass Through | GEORGIA DEPARTMENT OF NATURAL RESOURCES | | \$ 12,831 | \$ - |
| | 97.047 Total | | | | | | \$ 182,672 | \$ - |
| | 98.001 | USAID Foreign Assistance for Programs Overseas | AGENCY FOR INTERNATIONAL DEVELOPMENT | Pass Through | REGENSTRIEF INSTITUTE, INC. | AID.OpenHIE.DATIM-IU | \$ 346,429 | \$ - |
| | 98.001 Total | | | | | | \$ 346,429 | \$ - |
| | 98.U01 | USAID | AGENCY FOR INTERNATIONAL DEVELOPMENT | Pass Through | MOI TEACHING AND REFERRAL HOSPITAL | 72061521CA0020 | \$ 444,752 | \$ - |
| | 98.U01 Total | | | | | | \$ 444,752 | \$ - |
| | 98.U02 | USAID | AGENCY FOR INTERNATIONAL DEVELOPMENT | Direct | | 72044021CA00003 | \$ 2,826,191 | \$ 610,375 |
| | 98.U02 Total | | | | | | \$ 2,826,191 | \$ 610,375 |
| No Cluster Total | | | | | | | \$ 50,412,087 | \$ 6,099,755 |
| Grand Total | | | | | | | \$ 1,087,779,267 | \$ 77,809,870 |

Notes to Schedule of Expenditures of Federal Awards

June 30, 2024

Note 1 - Basis of Presentation

The accompanying schedule of expenditures of federal awards (the "Schedule") includes the federal grant activity of Indiana University (the "University") under programs of the federal government for the year ended June 30, 2024. The information in the Schedule is presented in accordance with the requirements of Title 2 U.S. *Code of Federal Regulations* Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (the "Uniform Guidance"). Because the Schedule presents only a selected portion of the operations of the University, it is not intended to and does not present the financial position, changes in net position, or cash flows of the University.

Note 2 - Summary of Significant Accounting Policies

Expenditures reported in the Schedule are reported on the accrual basis of accounting. Such expenditures are recognized following the cost principles contained in Title 2 U.S. *Code of Federal Regulations* Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards*, wherein certain types of expenditures are not allowable or are limited as to reimbursement. Negative amounts shown on the Schedule represent adjustments or credits made in the normal course of business to amounts reported as expenditures in prior years. The pass-through entity identifying numbers are presented where available.

The University has elected not to use the 10 percent *de minimis* indirect cost rate to recover indirect costs, as allowed under the Uniform Guidance.

Note 3 - Loans Balances

Loans outstanding at the beginning of the year and loans made during the year are included in the federal expenditures presented in the schedule of expenditures of federal awards. The balances of loans outstanding at June 30, 2024 consist of the following:

| Federal Program | Cluster/Program Title | ALN | Loan Balances |
|--|------------------------------|--------|---------------|
| Federal Perkins Loan Program - Loan/Loan Guarantee | Student Financial Assistance | 84.038 | \$ 8,853,550 |
| Nursing Student Loans | Student Financial Assistance | 93.364 | 2,964,821 |
| Nurse Faculty Loan Program | Student Financial Assistance | 93.264 | 794,981 |
| Health Professions Student Loans, Including Primary Care Loans and Loans for Disadvantaged Students (HPSL/PCL/LDS) | Student Financial Assistance | 93.342 | 25,242,117 |
| ARRA - Nurse Faculty Loan Program | N/A | 93.408 | 10,661 |
| | | Total | \$ 37,866,130 |

Schedule of Findings and Questioned Costs

Year Ended June 30, 2024

Section I - Summary of Auditor's Results

Financial Statements

Type of auditor's report issued:

Unmodified

Internal control over financial reporting:

- Material weakness(es) identified? ☐ Yes ☒ No
- Significant deficiency(ies) identified that are not considered to be material weaknesses? ☐ Yes ☒ None reported
- Noncompliance material to financial statements noted? ☐ Yes ☒ None reported

Federal Awards

Internal control over major programs:

- Material weakness(es) identified? ☐ Yes ☒ No
- Significant deficiency(ies) identified that are not considered to be material weaknesses? ☐ Yes ☒ None reported

Type of auditor's report issued on compliance for major programs:

Unmodified

Any audit findings disclosed that are required to be reported in accordance with Section 2 CFR 200.516(a)?

☐ Yes ☒ No

Identification of major programs:

| Assistance Listing Number | Name of Federal Program or Cluster |
|---------------------------|--------------------------------------|
| Various | Student Financial Assistance Cluster |

Dollar threshold used to distinguish between type A and type B programs:

\$3,263,338

Auditee qualified as low-risk auditee?

☒ Yes ☐ No

Section II - Financial Statement Audit Findings

Reference Number

Finding

Current Year None

Section III - Federal Program Audit Findings

Reference Number

Finding

Questioned Costs

Current Year None