



ANNUAL FINANCIAL REPORT

INDIANA UNIVERSITY

2018-2019



TABLE OF CONTENTS

Indiana University Annual Financial Report 2018–2019

Message from the President
Message from the Vice President and Chief Financial Officer
Independent Auditor's Report
Management's Discussion and Analysis
Statement of Net Position
IU Foundation Statement of Financial Position
Statement of Revenues, Expenses, and Changes in Net Position
IU Foundation Statement of Activities
Statement of Cash Flows
Notes to the Financial Statements
Required Supplementary Information
Trustees and Administrative Officers of Indiana University
Additional Information 9



MESSAGE FROM THE PRESIDENT

Michael A. McRobbie, President, Indiana University



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 Trustees of Indiana University, I am pleased to present to you IU's 2018–19 Financial Report.

Indiana University is now in its bicentennial year. One of the first American public universities west of the Allegheny Mountains, IU is older than most universities in the United States and most universities in the world outside of Europe. This year will see a dazzling and reflective series of over 400 events, which will celebrate this truly unique milestone in the life of the state's flagship university.

Even as we celebrate Indiana University's 200th anniversary, we continue to make major advancements—in education, research, innovation, philanthropy, and engagement in the life of our state—to prepare our university for a third century of excellence and to ensure that we continue to achieve our primary mission of educating outstanding students. We are acutely aware of the challenges that are coming in our third century. This awareness has driven much of the reform, restructuring, renovation, and rebuilding that has taken place across all of our campuses for over the last decade, and we believe we are well positioned to confront these challenges.

ENSURING AFFORDABILITY, ACCESSIBILITY, AND STUDENT SUCCESS

Vital to IU's success in its third century is to ensure that the university remains completely accessible to able students from all over the state no matter what their backgrounds. I am proud to note that IU enters its third century highly affordable for a wide range of students. Our campuses have among the lowest tuition levels among their peers. Tuition increases have been below higher education inflation levels the last five years. It will be essential to ensure they remain low on all of our campuses, especially in a climate of increasing competition caused by demographic pressures.

IU has given—and will continue to give—constant attention to ways of keeping a quality education affordable. For example, IU has adopted banded, or flat-rate, tuition for undergraduate students and many graduate and professional programs, on all of our campuses. Banded tuition locks in one price for students taking anywhere from 12 to 18 credit hours per semester. This enables students to take all of the credits they need for on-time graduation at the same, predictable cost. IUPUI and the regional campuses had a 24 percent increase in full-time undergraduates taking at least 15 credit hours between 2012 and 2017.

Generous philanthropic support for scholarships and fellowships will continue to be a vital component of affordability. Such support in recent years has allowed IU to dramatically increase the amount of financial aid it provides to students. IU financial assistance for resident undergraduate students has increased by a remarkable 227 percent since 2007. More broadly, 63 percent of degree-seeking undergraduate students received gift aid in 2017–2018 from federal, state, institutional, or private sources, up from 57 percent five years prior.

The impact of all of this has been to ensure that IU Bloomington's net cost of attendance is the second lowest in the Big Ten. This has also helped ensure that an IU education remains popular. This year saw a record freshman class across all IU campuses of 16,162, including records at IU Bloomington and IUPUI. The total number of students served by IU has remained stable at around 110,000 with around 90,000 degree-seeking students. Students are graduating in record numbers as well, and the last academic year saw a new record of 21,500 graduate from all IU campuses.

RECORD DIVERSITY

It has been particularly gratifying this year to see yet another record set for minority student enrollment across all IU campuses underscoring IU's accessibility as well. For the third consecutive year, IU's minority student body has exceeded 20,000, this year being a record 22,068. IU Bloomington has seen record numbers of Hispanic/Latino, African American, and Asian American students, with a total now of over 9,000 minority students—the most of any IU campus, representing a doubling of this number since 2007. The minority composition of domestic IU students now closely approximates that of the state. In this and many other ways, we are truly the people's university.

A NATIONAL LEADER IN REDUCING STUDENT DEBT

At the same time, we must keep focusing constantly on student debt. IU's path-breaking work in this area has already made it a national leader. For example, our "student loan letter"—in which students are clearly informed each year of the value and full consequences of their borrowing—has reduced student indebtedness by 19 percent since 2011–2012. Annual student loan borrowing dropped by \$126.4 million (19 percent) over the past six years. Indiana resident undergraduate annual loan volume is down \$101.3 million (31 percent) for the same period. As you are aware, in 2015, the State of Indiana adopted legislation to require all public universities to issue "debt letters" to all students who have loan debt. Since then, another 13 states have also mandated such letters.

CONTROLLING COSTS

Controlling costs will remain absolutely essential in the coming years to keeping tuition low. IU has sought to reduce costs, but without sacrificing quality or reducing the

high level of services that students expect of us. Key to this has been leveraging our scale to obtain prices for software, books, finance and accounting, and consumables across all campuses that individual units could not possibly obtain. In areas like information technology, we have pursued this strategy aggressively for decades.

IU ONLINE: DELIVERING AN AUTHENTICALLY IU EDUCATION SINCE 2012

The last decade has seen a fraught and overwrought debate about the merits and impact of online education. Some have argued in almost apocalyptic terms that it would spell the end of the traditional model of education. At IU, we resisted this tsunami of extravagant claims, and instead argued that the history of previous approaches to online education going back 40 years or so, the nature of the changes in technology and the costs involved, would instead see not a replacement of the traditional model, but rather its *merging* with online education into a *mixed* or additive model.

We established a program in this area in 2012 called IU Online, based on our prediction as to what the successful model of online education would be. It has been enormously successful and this year a record 31,254 students are doing at least one IU Online course representing more than a third of this year's student body. This is more than a four percent increase from fall semester 2018. We also saw an increase in the number of IU students who are taking only online courses. This number grew to 8,768 students, who now make up nearly a tenth of IU's total enrollment and provide a tenth of our tuition revenue. Through IU Online, the university has firmly cemented itself as the state's online education powerhouse for four-year and graduate online education. Our online platform now includes 135 IU degree and certificate programs and over 2,500 IU courses on our seven campuses, all taught and developed by IU faculty.

These figures are especially noteworthy and important as they demonstrate IU's strong contribution to the state's ongoing efforts to help more Hoosiers earn their college degrees and ensure that more students graduate on time. IU Online offers opportunities for those Hoosiers who may have started their college education but not finished because they now have jobs or families. Similarly, it provides a solution for more traditional students who want



to earn their degrees more quickly or have more convenient access to courses given their class or work schedules.

At IU, we have emphasized that our programs should provide a quality "authentically IU experience." The result has been an online experience that is a true extension of IU's faculty and curriculum, and that builds on the best of traditional classroom instruction.

CATALYZING RESEARCH AT THE BICENTENNIAL

As IU begins a new century, its research enterprise is strong and well-placed to meet the challenges this century will bring. Fundamental to this strength are faculty of excellence and outstanding ability whose research and scholarship blaze new paths of knowledge for the enlightenment and betterment of humankind.

And as we enter that century, the excellence of IU's research faculty grows unabated. Last year saw the largest ever total for externally funded research in the university's history—a record \$680.2 million that was awarded for over 2,800 proposals. This represents an increase of nearly two thirds of the total for the 2007 academic year. and since that year, nearly \$7 billion in externally funded research has been awarded to IU.

Such success emphatically underscores the excellence and importance of IU faculty research and scholarship in a funding environment that continues to grow increasingly more competitive. It is a testament to the thousands of IU faculty, staff, and students who form the teams that develop the research proposals and whose ideas and work are judged to be of the highest quality by their peers around the nation and world at a time when only the most promising research proposals are securing support. The outstanding research being conducted by IU faculty, staff, and students expands knowledge, drives innovation, creates new industries and jobs, leads to new treatments and cures for illness and disease, spurs economic growth, and supports a high standard of living. I want to especially single out and congratulate the IU School of Medicine for their remarkable part of this total of a record \$434 million.

This record success is also a result of the extensive investments IU has made over the last decade in:

- new and renovated facilities:
- new equipment, research infrastructure, and technology, such as supercomputing systems;

and

new programs and services that support research that are the product of an extensive restructuring of research administration.

And, of course, it also shows the growing impact of the university's investment of nearly \$300 million in its three major multidisciplinary Grand Challenge projects focused on:

- medical treatments precisely targeted to an individual's genetic makeup;
- developing programs and policies aimed on adapting to environmental change;

and

a wholistic approach to addressing the scourge of drug addiction devastating so many Midwest communities.

CONCLUSION

As we enter IU's third century, we are heading towards a new social contract. The role of public universities in this new social order will be essential. In order to achieve our goals, we must redouble our efforts to build the trust of the public in what we do, how we do it, and why we do it.

As this financial report illustrates, Indiana University continues to regard the funding it receives as a public trust. We are deeply grateful for the support we receive from state appropriations, donor contributions, grants, contracts, and student fees, and are committed to achieving the best return on all of those investments. We also remain dedicated to fulfilling IU's core missions of education and research and to contributing in myriad ways to the growth, prosperity, and security of the Hoosier state.

Yours sincerely,

600

Michael A. McRobbie President



MESSAGE
FROM
THE VICE
PRESIDENT
AND CHIEF
FINANCIAL
OFFICER

John A. Sejdinaj, Vice President and Chief Financial Officer, Indiana University



Dear President McRobbie 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, 2019. The financial statements have been prepared in accordance with generally accepted accounting principles 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, 2018, through June 30, 2019. The statements report the university's financial position at June 30, 2019, with comparative data from the previous fiscal year. In addition, financial results of the Indiana University Foundation are incorporated in the 2018–2019 financial report.

The financial statements have been audited by the Indiana State Board of Accounts. 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, 2019, the institution had an increase in net position of \$110,417,000, or 3%, over prior year. This positive financial performance was achieved while focusing on affordability. Undergraduate tuition and fee rate increases in 2019 increased by 1.4% at the Bloomington and IUPUI core campuses and 1.9% at IU's five regional campuses. Complementing these moderate tuition increases was continued financial support for our students with \$459,885,000 provided in financial assistance.

Affordability is also maintained through the continued financial support of donors and the state, combined with the fiscal stewardship of those across the University who have 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 fiscal year 2019, state support for University operations was \$582,403,000, while state support for capital projects was \$20,047,000. Simultaneously, donor support brought into the University was \$138,492,000.

Indiana University is one of seven public universities that hold an Aaa long-term credit rating from Moody's Investor Services, as well as an AAA rating from Standard and Poor's. 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, 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. 2019.

John A. Sejdinai

Vice President and Chief Financial Officer



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INDEPENDENT AUDITOR'S REPORT

TO: THE OFFICIALS OF INDIANA UNIVERSITY, BLOOMINGTON, INDIANA

Report on the Financial Statements

We have audited the accompanying financial statements of the business-type activities and the discretely presented component unit of Indiana University (University), a component unit of the State of Indiana, as of and for the years ended June 30, 2019 and 2018, and the related notes to the financial statements, which collectively comprise the University's basic financial statements as listed in the Table of Contents.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes 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.

Auditor's Responsibility

Our responsibility is to express opinions on these financial statements based on our audit. We did not audit the financial statements of Indiana University Foundation, Inc. (Foundation), a component unit of the University as described in Note 1, which represents 100 percent, 100 percent, and 100 percent, respectively, of the total assets, net position and revenues of the discretely presented component unit. Those 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 Foundation, is based solely on the report of the other auditors. We conducted our audit in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in Government Auditing Standards, issued by the Comptroller General of the United States. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement. The financial statements of the Foundation were audited in accordance with auditing standards generally accepted in the United States of America, but were not audited in accordance with Government Auditing Standards.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the University's preparation and fair presentation of the financial statements 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, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.



INDEPENDENT AUDITOR'S REPORT (Continued)

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinions.

Unmodified Opinions

In our opinion, based on our audit and the report of the other auditors, the financial statements referred to above present fairly, in all material respects, the respective financial position of the business-type activities and the discretely presented component unit of the University, as of June 30, 2019 and 2018, and the respective changes in financial position and, where applicable, cash flows thereof and for the year then ended in accordance with accounting principles generally accepted in the United States of America.

Emphasis of Matter

As discussed in Note 1 to the financial statements, in fiscal year 2019, the University adopted new accounting guidance GASB Statement 83 Certain Asset Retirement Obligations and GASB Statement 88 Certain Disclosures Related to Debt, Including Direct Borrowing and Direct Placements. Our opinion is not modified with respect to these matters.

Other Matters

Required Supplementary Information

Accounting principles generally accepted in the United States of America require that the Management's Discussion and Analysis, Schedule of the University's Proportionate Share of the Net Pension Liability for the Indiana Public Employees' Retirement Fund, Schedule of the University's Contributions for the Indiana Public Employees' Retirement Fund, and Schedule of the University's Total Liability for Other Postemployment Benefit Plans be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board who 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 supplementary 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.

Other Information

Our audit was conducted for the purpose of forming opinions on the financial statements that collectively comprise the University's basic financial statements. 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 are presented for purposes of additional analysis and are not a required part of the basic financial statements.

The Message from the President, Message from the Vice President and Chief Financial Officer, Trustees and Administrative Officers of Indiana University, and Additional Information have not been subjected to the auditing procedures applied in the audit of the basic financial statements and, accordingly, we do not express an opinion or provide any assurance on them.



INDEPENDENT AUDITOR'S REPORT (Continued)

Other Reporting Required by Government Auditing Standards

In accordance with *Government Auditing Standards*, we have also issued our report dated October 25, 2019, on our consideration of the University's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and 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 the 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 the University's internal control over financial reporting and compliance.

Paul D. Joyce, CPA State Examiner

October 25, 2019

Introduction

The following discussion and analysis provides an overview of the consolidated financial position and activities of Indiana University (the "university") for the fiscal year ended June 30, 2019, with selected comparative information for the fiscal years ended June 30, 2018 and 2017. 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 multicampus public research institution, grounded in the liberal arts and sciences, and a world class leader in professional, medical, and technological education. Indiana University'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 and to offer leadership in creative solutions for 21st-century problems. Indiana University strives to achieve full diversity and to maintain friendly, collegial, and humane environments 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 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. The IU Foundation is considered a component unit of the university that requires discrete presentation. Accordingly, the IU Foundation's audited financial statements are presented in their original formats on separate pages, along with the university's financial statements.

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.

Statement of Net Position

A comparison of the university's assets, deferred outflows of resources, liabilities, deferred inflows of resources, and net position at June 30, 2019, 2018, and 2017, is summarized as follows:

Condensed Statement of Net Position (in thousands of dollars)						
	June 30, 2019	June 30, 2018	June 30, 2017			
	•					
Current assets	\$ 643,409	\$ 567,218	\$ 649,905			
Capital assets, net	3,354,987	3,278,609	3,147,159			
Other assets	1,665,177	1,682,820	1,677,406			
Total assets	5,663,573	5,528,647	5,474,470			
Deferred outflows of resources	88,336	117,817	86,345			
Current liabilities	425,590	405,695	388,257			
Noncurrent liabilities	1,406,577	1,435,096	1,268,799			
Total liabilities	1,832,167	1,840,791	\$1,657,056			
Deferred inflows of resources	27,186	23,534	38,220			
Net investment in capital assets	2,391,112	2,320,100	2,200,168			
Restricted net position	297,086	286,520	230,713			
Unrestricted net position	1,204,358	1,175,519	1,434,658			
Total net position	\$ 3,892,556	\$ 3,782,139	\$ 3,865,539			

Assets

Current Assets

Current assets include those that are used to support current operations and consist primarily of cash and cash equivalents, net receivables, and short-term investments. Cash balances support commitments to strategic initiatives, capital projects, employee benefit and retirement costs, and self-liquidity requirements, along with 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 increased \$76,191,000, or 13%, and decreased \$82,687,000, or 13%, in 2019 and 2018, respectively. The increase in 2019 is primarily attributable to increases in cash and cash equivalents of \$44,938,000 and short term investments of \$22,846,000. The decrease in 2018 is primarily attributable to a decrease of \$65,028,000 in short-term investments, as well as a \$15.328.000 decrease in net accounts receivable. The objective of the university's investment policy with respect to its operating funds is to adequately provide for the liquidity needs of the university while maximizing the opportunity to increase yield on investments. The management of the university's operating funds permits flexibility while providing a consolidated basis from which to meet liquidity demands. Decisions on management of cash and shorter term holdings are based on asset prices, the economic environment, investment opportunities, and liquidity needs. The decrease in net accounts receivable in 2018 resulted from the timing of receivables realization and natural fluctuations in auxiliary revenue cycles.

Noncurrent Assets

Major components of noncurrent assets are capital assets, net of accumulated depreciation, and endowment and operating investments. Noncurrent assets increased \$58,735,000, or 1%, and \$136,864,000, or 3%, in 2019 and 2018, respectively. The increase in 2019 is primarily attributable to an increase in capital assets of \$76,378,000, partially offset by decreases in noncurrent investments and notes and pledges receivable of \$10,673,000 and \$6,970,000, respectively. Endowment

funds are managed by the IU Foundation using a disciplined, consistent, and diversified approach according to the policies and strategic direction of the Foundation Investment Committee and the laws of the State of Indiana. The decrease in notes and pledges receivable was primarily related to the Perkins Loan Program; which under federal law, universities were not permitted to make new Perkins Loans after September 30, 2017.

Capital Assets

The university's investment in capital assets, net of depreciation, which includes land, art and museum objects, infrastructure, equipment, and buildings, grew \$76,378,000, or 2%, and \$131,450,000, or 4%, in 2019 and 2018, 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 net position, capital appropriations, gifts designated for capital purposes, and debt proceeds (See Note 5, Capital Assets).

In accordance with the university's master plan and Bicentennial Strategic Plan; new, expanded, and renovated facilities to support IU's missions of education, research, and the long-term preservation of knowledge are a central priority of the university. They are critical to recruiting and retaining the best faculty and researchers, to ensuring that IU remains competitive in research and scholarship. and to providing a high-quality living and educational environment for IU students on all campuses.

Indiana University continues to reinvest in existing facilities through renovations and upgrades, as well as construction of new facilities, 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 Stone Family Center for Health Sciences was dedicated in August 2018. This newly-constructed, multiinstitutional facility in downtown Evansville is transforming healthcare and healthcare education and research in



Stone Family Center for Health Sciences IU School of Medicine, IU School of Dentistry; Evansville

Southwest Indiana. The facility is shared by Indiana University, the University of Southern Indiana, and the University of Evansville, and houses programs including dentistry, nursing, occupational therapy, physician assistant, and physical therapy. The center includes a dental clinic, simulation center, labs, classrooms, and offices. The \$53,000,000 project, of which Indiana University's portion was approximately \$25,200,000, was funded by State of Indiana appropriations and the City of Evansville.

The reinvigoration of the Old Crescent on the Bloomington campus continued with the renovation of Swain Halls East and West, which was completed in the fall of 2018. This project was part of the Old Crescent Renovation - Phase Il project, funded by State of Indiana appropriations. Swain was in need of updating to provide an effective and engaging learning environment for students. The \$36,101,000 renovation included new building systems and universal accessibility upgrades, as well as updated classrooms and lab spaces within Swain West to include the latest technologies for students and faculty. Additionally, the façade of the south addition to Swain



Swain Hall Department of Physics, Department of Astronomy; Bloomington

West was refaced and a new gable constructed to blend with the existing buildings while creating a visible and accessible new front entry. Programs housed in Swain include physics and astronomy.

Two new facilities were constructed within the athletics district of the Bloomington campus, thus completing the Athletics Master Plan as referenced in the Bicentennial Strategic Plan. The south end zone of Memorial Stadium was enclosed with the construction of the Excellence Academy, housing facilities for sports medicine, athletic

MANAGEMENT'S DISCUSSION AND ANALYSIS

training, rehabilitation, wellness, leadership and career development, counseling services, nutrition center, dining facilities, and meeting and event spaces including a terrace to host game-day activities. This \$52,079,000 project, funded by athletics department funds and private gifts, also upgraded the football team locker room and sports medicine facilities, as well as provided universal accessibility updates to the existing stadium including seating and restrooms. The facility opened in the fall of 2018.



South End Zone Memorial Stadium, Bloomington



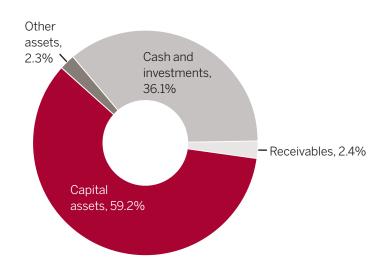
Wilkinson Hall Volleyball and wrestling arena, Bloomington

Additionally, the completion of Wilkinson Hall in December 2018 brought the competition venue for the volleyball and wrestling teams into the athletics district. The 3,000seat venue, which also serves as a practice facility for volleyball and can be used for other university events, was constructed at a cost of \$17,413,000 and funded by athletics department funds and private gifts.

The following table and chart represent the composition of total assets as of June 30, 2019:

Total Assets (in thousands of dollars)						
Cash and investments	\$	2,045,962	36.1%			
Receivables	Receivables 136,628 2.4%					
Capital assets	Capital assets 3,354,987 59.2%					
Other assets 125,996 2.3%						
Total assets	\$	5,663,573	100.0%			

Total assets



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 so 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.

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, current portion of compensated absences, unearned revenue, current portion of long-term debt, and current portion of capital lease obligations.

Current liabilities increased \$19,895,000, or 5%, and \$17,438,000, or 4%, in 2019 and 2018, respectively. The increase in 2019 is primarily attributable to an increase in the current portion of long-term debt and other obligations of \$33,032,000 primarily due to an increase of \$33,800,000 in commercial paper notes outstanding, partially offset by a decrease in the current portion of unearned revenue of \$16,132,000. The increase in 2018 is primarily attributable to an increase in the current portion of unearned revenue of \$28,583,000 as well as an increase in the current portion of long-term debt and other obligations of \$14,184,000, partially offset by a decrease in accounts payable and accrued liabilities of \$26,511,000 due in large part to natural fluctuations in building construction and renovation activity along with differences in accrued interest on capital debt. The changes in the current portion of unearned revenue in both 2019 and 2018 related to the timing of sponsored grant spending for which receipts were received in advance of related expenditures.

Noncurrent Liabilities

Noncurrent liabilities decreased \$28.519.000, or 2%. and increased \$166,297,000, or 13%, in 2019 and 2018, respectively. The decrease in 2019 is primarily attributable to a decrease in net pension liability of \$23,490,000 and a decrease in total postemployment benefits liability of \$13,914,000, partially offset by increases in bonds payable of \$12,310,000. The increase in debt was attributable to the issuance of fixed rate new money Student Fee Bonds in October 2018, offset by reductions from scheduled principal payments (see Note 8, Bonds and Notes Payable and Other Obligations).

In fiscal year 2018, the university adopted GASB Statement No. 75, Accounting and Financial Reporting

for Postemployment Benefits Other Than Pensions, which addresses accounting and financial reporting for postemployment benefits other than pensions (OPEB). Accordingly, the university recorded total postemployment benefits liability of \$268,543,000 at June 30, 2018 (see Note 13, Postemployment Benefits). Other long-term liabilities decreased \$33,870,000 in 2018 reflecting the reclassification of \$37,304,000 formerly reported on this line to the new reporting line for the OPEB liability. Scheduled principal payments in 2018 primarily contributed to a reduction in bonds and notes payable of \$75,118,000. The noncurrent portion of unearned revenue increased \$13,621,000 related to the timing of sponsored grant spending for which receipts were received in advance of related expenditures.

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 capital lease obligations were \$1,062,244,000 and \$1,027,435,000 at June 30, 2019 and 2018, respectively (See Note 7, Other Liabilities).

On February 13, 2019 and June 4, 2019, the university issued tax-exempt Indiana University Commercial Paper Notes in the amount of \$4,600,000 and \$9,200,000, respectively. On June 12, 2019, the university issued taxable Indiana University Commercial Paper Notes in the amount of \$20,000,000. The total outstanding commercial paper notes at June 30, 2019 and 2018, were \$54,200,000 and \$20,400,000, respectively (See Note 8, Bonds and Notes Payable and Other Obligations and Note 17, Subsequent Event). Commercial paper notes are issued by the university from time to time to provide for the temporary financing or refinancing of costs related to certain facilities on all of the Indiana University campuses, including costs of issuance of the notes. The university has no credit facilities and no lines or letters of credit. 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 \$25,000,000 to mature in any five business day period.

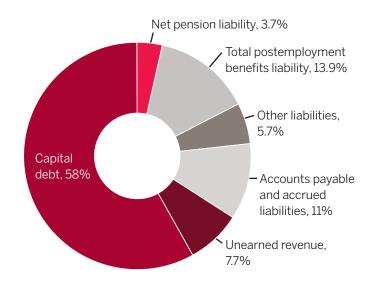


On October 3, 2018, the university issued fixed-rate new money Student Fee Bonds Series Y with a par amount of \$69,470,000. The purpose of the issue was to provide financing for the Old Crescent Renovation Phase III project. which includes the renovation of Ballantine Hall and the Geological Sciences/Geological Survey building, both of which are located on the Bloomington campus. The proceeds were also used to pay costs to issue the bonds, including underwriters' discount. The all-in true interest cost for the bonds was 3.35%. The university's ratings on debt obligations were last reviewed and reaffirmed in August 2018. On August 27, 2018, Moody's Investors Service rated the university's most recent student fee bonds and reaffirmed its underlying rating on all student fee bonds, consolidated revenue bonds, lease-purchase obligations, and certificates of participation as 'Aaa.' The university's commercial paper program carries a rating of P-1 from Moody's, which was reaffirmed on August 27, 2018. The university's outlook under Moody's Investors Service is stable. On August 29, 2018, S&P Global Ratings rated the university's most recent student fee bonds as 'AAA.' On the May 9, 2018 credit report, S&P Global Ratings reaffirmed its long-term rating and underlying rating on all student fee bonds, consolidated revenue bonds, certificates of participation, and lease-purchase obligations issued by the university as 'AAA' and rated the university's commercial paper program as A-1+. The university's outlook under S&P Global Ratings is stable.

The following table and chart represent the composition of total liabilities as of June 30, 2019:

Total Liabilities (in thousands of dollars)						
Accounts payable and accrued liabilities	\$	200,644	11.0%			
Unearned revenue 141,616 7.7%						
Capital debt		1,062,244	58.0%			
Net pension liability		68,576	3.7%			
Total postemployment benefits liability		254,629	13.9%			
Other liabilities 104,458 5.7%						
Total liabilities	\$	1,832,167	100.0%			

Total liabilities



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 so will not be recognized as revenue until then. The amounts recorded are related to the net pension liability (see Note 12, Retirement Plans) and the OPEB liability (see Note 13, Postemployment Benefits).

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

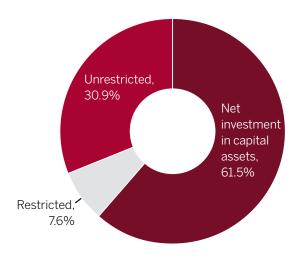
governing usage and is divided into two subcategories:

- 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, 2019:

Total Net Position (in thousands of dollars)						
Net investment in capital assets	\$	2,391,112	61.5%			
Restricted		297,086	7.6%			
Unrestricted		1,204,358	30.9%			
Total	\$	3,892,556	100.0%			

Net position



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 \$71,012,000, or 3%, and \$119,932,000, or 5%, in 2019 and 2018, respectively. Growth in this area is managed according to the university's long-range capital plans, along with operating units' needs to support programs and operating needs.

Restricted net position increased \$10,566,000, or 4%, and increased \$55,807,000, or 24%, in 2019 and 2018, respectively. Variances in both years are largely due to fluctuations in spending of bond proceeds, which impact the capital projects component of restricted net position.

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 \$28,839,000, or 2%, and decreased \$259,139,000, or 18%, in 2019 and 2018, respectively. The 2018 decline is attributable to the change in accounting principle in accordance with GASB 75, as discussed above within Noncurrent Liabilities. The impacts of the postemployment benefits liability of \$268,543,000 are reflected in unrestricted net position.

Net position increased \$110.417.000, or 3%, in 2019 and \$112,554,000, or 3%, in 2018. Net position at June 30, 2019, was \$3,892,556,000.

Statement of Revenues, Expenses, and Changes in Net Position

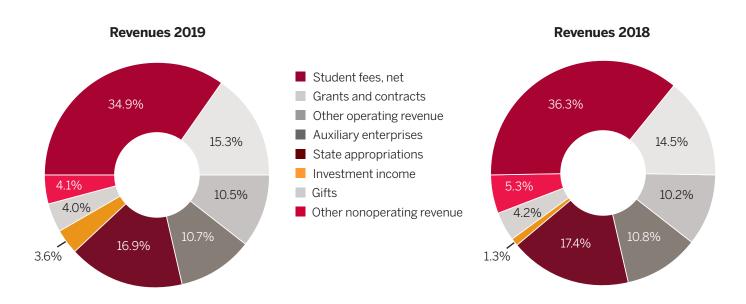
Revenues and expenses are classified as either operating or nonoperating in accordance with GASB principles for classification into these categories. Trends in the relationship between operating revenues and expenses are important indicators of financial condition. Generally, operating revenues are received for providing goods and services and include tuition and fees, grants and contracts, sales and services, and auxiliary revenue. 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 carry out 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 (in thousands of dollars)							
	Fiscal Year Ended						
		June 30, 2019	Jun	ne 30, 2018		June 30, 2017	
Operating revenues	\$	2,462,476	\$	2,385,536	\$	2,316,022	
Operating expenses		(3,304,476)		(3,175,110)		(3,063,303)	
Total operating loss		(842,000)		(789,574)		(747,281)	
Nonoperating revenues		954,023		865,526		876,561	
Nonoperating expenses		(33,948)		(31,679)		(33,308)	
Income before other revenues, expenses, gains, or losses		78,075		44,273		95,972	
Other revenues		32,342		68,281		58,282	
Increase in net position		110,417		112,554		154,254	
Net position, beginning of year Adjustment per change in accounting principle		3,782,139		3,865,539 (195,954)		3,711,285	
Net position, beginning of year, as restated		-		3,669,585		-	
Net position, end of year	\$	3,892,556	\$	3,782,139	\$	3,865,539	

The following charts represent revenues by major source for fiscal years 2019 and 2018:



Operating revenues increased \$76,940,000, or 3%, and \$69,514,000, or 3%, during 2019 and 2018, 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, decreased \$712,000 and increased \$24,007,000 during 2019 and 2018, respectively. Tuition and fee revenue is affected by a combination of changes in tuition rates, enrollment, and the mix of student levels and residency. While institutional resources for financial aid continue to rise relative to external sources, students are using a greater percentage of financial aid to cover tuition and fees and taking less in refunds. Resident undergraduate tuition and fee rates increased by 1.4% at the Bloomington and IUPUI core campuses and 1.9% at IU's five regional campuses for both the 2017–2018 and 2018–2019 academic years. The modest increases reinforce the university's commitment to student affordability. The tuition increases helped to fund student success programming - student academic success, student financial success, and the health and well-being of students. The university has invested significantly in crucial infrastructure to support the research mission across diverse areas of focus. Total operating grant and

contract revenues from all sources increased 9% in 2019 and 3% in 2018. Other revenue, including hospital and practice plan support for School of Medicine research and other initiatives, increased \$36,660,000 and \$25,321,000 in 2019 and 2018, respectively.

Operating expenses increased \$129,366,000, or 4%, and \$111,807,000, or 4%, in 2019 and 2018, respectively (See Note 15, Functional Expenses). Compensation and benefits, at 65% of total operating expenses, represents the largest single university expense. The university's strategic plan makes a clear statement of commitment to recruit and retain an outstanding, diverse, and inclusive faculty from researchers, scholars, teachers, and creative artists worldwide who are recognized as among the very best in their fields. Compensation and benefits expense increased \$74,128,000 and \$64,923,000 in 2019 and 2018, respectively. University benefit plans play an important 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's High Deductible Health Plan (HDHP) lowers employer premiums while providing employees with greater control over healthcare spending. Approximately 94%

MANAGEMENT'S DISCUSSION AND ANALYSIS

of employees were enrolled in a HDHP in 2019. While overall health care costs have increased, the university's cost trend is well below market benchmarks, largely due to efforts to control pharmacy costs. The university's Bicentennial Strategic Plan articulates a commitment to access and affordability for students. Representative of the Bicentennial Strategic Plan commitment to ensure that an Indiana University education remains financially accessible for all qualified students, the combination of student financial aid expense and scholarship allowances increased \$22,032,000, or 5%, and totaled \$459,885,000 in 2019. Energy and utilities expense was essentially flat when comparing 2019 to 2018, with an increase of \$683,000 compared to a decrease of \$730,000 in 2018. Supplies and general expense increased \$48,441,000, or 7%, and \$37,262,000, or 6%, in 2019 and 2018, respectively. In addition to payment timing differences, the increase in 2019 and 2018 was spread across auxiliary, research, academic, and capital facilities functions.

Nonoperating revenues, net of interest expense, increased \$86,228,000, or 10%, and decreased \$9,406,000, or 1%, in 2019 and 2018, respectively. 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. Noncapital state appropriations totaled \$582,403,000 in 2019 and \$576,597,000 in 2018, and is the university's second largest revenue source, after tuition and fees. Investment income increased \$81,133,000 and decreased \$38,790,000 in 2019 and 2018, respectively. The university's operating funds' investments yielded a 6.40% return, net of fees, in 2019, as compared to 0.37% in 2018. Improved fixed income performance was led by decreasing interest rates and corporate credit spreads. Rising equity markets also contributed to performance in 2019, which was mainly reflected in unrealized gains. The decrease in investment income in 2018 was largely due to realized and unrealized losses.

The university recognized \$20,047,000 and \$46,239,000 in capital appropriations for repairs, renovations, and

improvements across all campuses in 2019 and 2018, respectively. Revenue recognized as capital appropriations and capital gifts and grants fluctuates according to availability of capital appropriations, as well as the timing of when funding is brought in 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 used in operations.

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

Condensed Statement of Cash Flows (in thousands of dollars)						
Fiscal Year Ended						
	June 30, 2019	June 30, 2018	June 30, 2017			
Net cash provided (used) by:						
Operating activities	\$ (689,802)	\$ (616,202)	\$ (651,135)			
Noncapital financing activities	828,397	821,232	795,174			
Capital and related financing activities	(207,257)	(308,597)	(247,955)			
Investing activities	113,600	100,096	52,653			
Net increase (decrease) in cash and	44,938	(3,471)	(51,263)			
cash equivalents						
Beginning cash and cash equivalents	223,988	227,459	278,722			
Ending cash and cash equivalents	\$ 268,926	\$ 223,988	\$ 227,459			

The university's cash and cash equivalents increased \$44,938,000 and decreased \$3,471,000 in 2019 and 2018, 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 cash provided by noncapital financing activities, as defined by GASB, including state appropriations, federal Pell grants, and private noncapital gifts are 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 the third year in a row, fiscal year 2019 state general fund revenues significantly exceeded both forecast as well as prior year collections. State revenues for 2019 were \$266,800,000, or 1.7%, above forecast and \$834,900,000, or 5.4%, above fiscal year 2018 collections. Sales tax collections, the largest single state tax revenue source, grew at a modest rate of 3.3% over fiscal year 2018, while individual income tax collections grew at a strong rate of 4.1% over 2018. Rounding out the state's "Big 3" tax revenues, corporate income tax collections were a robust \$287,900,000 or 43.6% above fiscal year

2018, even though these taxes accounted for only 5.8% of all state tax sources in fiscal year 2019. The state's overall fiscal standing remains strong with total reserve balances equal to \$2,270,100,000 at June 30, 2019, or 13.3% of fiscal year 2020 general fund appropriations.

Looking ahead to fiscal year 2020, reflecting expectations for modest, but continued economic growth, total state revenues were forecast in April 2019 to increase by \$412,600,000, or 2.6%, over fiscal year 2019 forecast revenues. Fortunately, because actual revenue collections in fiscal year 2019 were \$266,800,000 above forecast, revenue growth of only \$145,800,000 or 0.9%, is required to achieve the fiscal year 2020 revenue forecast level. Thus, the state has a considerable cushion should actual revenue collections in fiscal year 2020 fall short of forecast.

Indiana's unemployment rate was 3.5% at the beginning of fiscal 2019 (in July 2018) and at the end of the fiscal year in June 2019, comparing favorably to the national unemployment rate of 3.7% in June 2019. In conclusion, both Indiana and the national economies are expanding, albeit in an environment in which much economic uncertainty continues to exist. Finally, continuing Indiana's tradition of conservative and effective fiscal management, the state's reserves standing compares favorably with most states.

STATEMENT OF NET POSITION

(in thousands of dollars)	June 30, 2019	June 30, 2018
Assets		
Current assets		
Cash and cash equivalents	\$ 268,926	\$ 223,988
Accounts receivable, net	136,628	133,858
Current portion of notes and pledges receivable	12,780	13,672
Inventories	9,621	10,172
Short-term investments	159,725	136,879
Other assets	55,729	48,649
Total current assets	643,409	567,218
Noncurrent assets	·	·
	47,866	54,836
Notes and pledges receivable	•	
Investments	1,617,311	1,627,984
Capital assets, net	3,354,987	3,278,609
Total noncurrent assets	5,020,164	4,961,429
Total assets	5,663,573	5,528,647
Deferred outflows of resources	88,336	117,817
Liabilities		
Current liabilities		
Accounts payable and accrued liabilities	200,644	197,118
Unearned revenue	94,460	110,592
Current portion of capital lease obligations	1,937	2,468
Current portion of long-term debt and other obligations	128,549	95,517
Total current liabilities	425,590	405,695
Noncurrent liabilities	1_0,000	133,333
Capital lease obligations	1,800	3,725
Notes payable	173,141	181.218
Assets held in custody for others	73,885	74,043
Unearned revenue	47,156	37,388
Bonds payable	756,817	744,507
Net pension liability	68,576	92,066
Postemployment benefits liability (total)	254,629	268,543
Other long-term liabilities	30,573	33,606
Total noncurrent liabilities	1,406,577	1,435,096
Total liabilities	1,832,167	1,840,791
Deferred inflows of resources	27,186	23,534
	,	-,
Net Position		
Net investment in capital assets	2,391,112	2,320,100
Restricted for:		
Nonexpendable - endowments	58,984	60,213
Expendable		
Scholarships, research, instruction, and other	122,944	130,308
Loans	20,647	19,159
Capital projects	77,539	59,969
Debt service	16,972	16,871
Unrestricted	1,204,358	1,175,519
Total net position	\$ 3,892,556	\$ 3,782,139

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



Indiana University Foundation

Statements of Financial Position June 30, 2019 and 2018 (In thousands)

		2019	2018
Assets			
Cash and cash equivalents	\$	43,505	\$ 65,047
Collateral under securities lending agreement		98,251	90,182
Receivables and other assets		19,123	23,165
Due from brokers		67,499	31,157
Promises to give, net		251,707	228,242
Investments		2,677,524	2,558,430
Property, plant and equipment, net		58,327	62,246
Total assets	<u> \$ </u>	3,215,936	\$ 3,058,469
Liabilities and Net Assets			
Liabilities:			
Accounts payable and other	\$	6,194	\$ 8,828
Due to brokers		76,873	59,019
Collateral under securities lending agreement		98,251	90,182
Split interest agreement obligations		42,633	38,754
Assets held for the University		240,662	238,529
Assets held for University affiliates		42,461	42,257
Total liabilities		507,074	477,569
Net assets:			
Without donor restrictions		96,808	84,897
With donor restrictions		2,612,054	2,496,003
Total net assets	_	2,708,862	2,580,900
Total liabilities and net assets	\$	3,215,936	\$ 3,058,469

See notes to financial statements.



STATEMENT OF REVENUES, EXPENSES, AND CHANGES IN NET POSITION

Fiscal Year Ended

(in thousands of dollars)	June 30, 2019	June 30, 2018
Operating revenues		
Tuition and fees	\$ 1,514,263	\$ 1,487,951
Less scholarship allowance	(310,174)	(283,150)
Federal grants and contracts	359,055	328,545
State and local grants and contracts	20,875	20,886
Nongovernmental grants and contracts	147,701	132,693
Sales and services of educational units	26,962	39,244
Other revenue	335,984	299,324
Auxiliary enterprises (net of scholarship allowance of \$42,536 in 2019 and \$39,775 in 2018)	367,810	360,043
Total operating revenues	2,462,476	2,385,536
Operating expenses		
Compensation and benefits	2,148,718	2,074,590
Student financial aid	149,711	154,703
Energy and utilities	76,074	75,391
Travel	61,764	57,214
Supplies and general expense	703,512	655,071
Depreciation and amortization expense	164,697	158,141
Total operating expenses	3,304,476	3,175,110
Total operating loss	(842,000)	(789,574)
Nonoperating revenues (expenses)		
State appropriations	582,403	576,597
Grants and contracts	108,384	107,028
Investment income	124,744	43,611
Gifts	138,492	138,290
Interest expense	(33,948)	(31,679)
Net nonoperating revenues	920,075	833,847
Income before other revenues, expenses, gains, or losses	78,075	44,273
Capital appropriations	20,047	46,239
Capital gifts and grants	12,242	21,817
Additions to permanent endowments	53	225
Total other revenues	32,342	68,281
Increase in net position	110,417	112,554
Net position, beginning of year	3,782,139	3,865,539
Adjustment per change in accounting principle	-	(195,954)
Net position, beginning of year, as restated	-	3,669,585
Net position, end of year	\$ 3,892,556	\$ 3,782,139

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

Indiana University Foundation

Statement of Activities Year Ended June 30, 2019 (In thousands)

	Without Donor With Donor Restrictions		Total			
Support and other revenue:						_
Contributions	\$	2,281	\$	187,667	\$	189,948
Investment income, net		16,492		106,998		123,490
Management/administrative fees		21,944		(18,724)		3,220
Grants		-		11,582		11,582
Other income		11,220		5,760		16,980
Development service fees from the University		4,416		-		4,416
Change in value of split interest agreements		9		399		408
Net assets released from restrictions		177,631		(177,631)		
Total support and other revenue		233,993		116,051		350,044
Expenses:						
Grants and aid to the University		177,945		-		177,945
Management and general		23,247		-		23,247
Fundraising		20,890		-		20,890
Total expenses		222,082		-		222,082
Change in net assets		11,911		116,051		127,962
Net assets, beginning of year		84,897		2,496,003		2,580,900
Net assets, end of year	\$	96,808	\$ 2	2,612,054	\$	2,708,862

See notes to financial statements.



STATEMENT OF CASH FLOWS

Fiscal Year Ended

(in thousands of dollars)	June 30, 2019	June 30, 2018
Cash Flows from Operating Activities		
Student fees	\$ 1,200,569	\$ 1,204,253
Grants and contracts	525,580	521,971
Sales and services of educational activities	24,201	40,541
Auxiliary enterprise charges	370,794	370,044
Other operating receipts	332,108	294,056
Payments to employees	(2,157,841)	(2,086,817)
Payments to suppliers	(844,196)	(810,172)
Student financial aid	(149,960)	(155,891)
Student loans collected	13,577	13,464
Student loans issued	(4,634)	(7,651)
Net cash used in operating activities	(689,802)	(616,202)
Cash Flows from Noncapital Financing Activities		
State appropriations	582,044	576,597
Nonoperating grants and contracts	108,384	107,028
Gifts and grants received for other than capital purposes	137,926	137,133
Direct lending receipts	499,600	473,150
Direct lending payments	(499,557)	(472,676)
Net cash provided by noncapital financing activities	828,397	821,232
Cash Flows from Capital and Related Financing Activities		
Capital appropriations	20,047	46,239
Capital grants and gifts received	7,352	41,039
Purchase of capital assets	(238,323)	(294,598)
Proceeds from issuance of capital debt, including refunding and	, ,	, ,
other long term obligations	115,805	20,400
Principal paid on capital leases	(65,955)	(71,526)
Principal paid on capital leases	(2,736)	(2,375)
Interest paid on capital debt and leases	(43,447)	(47,776)
Net cash used in capital and related financing activities	(207,257)	(308,597)
Cash Flows from Investing Activities		
Proceeds from sales and maturities of investments	8,553,704	8,311,497
Investment income	52,787	55,095
Purchase of Investments	(8,492,891)	(8,266,496)
Net cash provided by investing activities	113,600	100,096
Net increase (decrease) in cash and cash equivalents	44,938	(3,471)
Cash and cash equivalents, beginning of year	223,988	227,459
Cash and cash equivalents, end of year	\$ 268,926	\$ 223,988

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

STATEMENT OF CASH FLOWS CONTINUED

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

Fiscal Year Ended (in thousands of dollars) June 30, 2019 June 30, 2018 (842,000)\$ (789,574) Operating loss Adjustments to reconcile operating loss to net cash used in operating activities: 164,697 158,141 Depreciation and amortization expense 1,470 2,266 Loss on disposal of capital assets Changes in assets and liabilities: 8.539 (2,301)Accounts receivable 549 (496)Inventories (7,079)(1,674)Other assets Notes receivable 7,861 4,669 Accounts payable and accrued liabilities 3,340 (22,195)42,204 (6,364)Unearned revenue (4,765)(157)Assets held in custody for others (2,623)Net pension liability and related deferreds (2,117)(15,257)Postemployment benefits liability (total) (4,547)4,057 (2,648)Other noncurrent liabilities (616,202) Net cash used in operating activities (689,802)

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

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 ("Indiana University Purdue University at Indianapolis", or "IUPUI"), 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"), is comprised of 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 statesupported institution and is classified as exempt from federal income tax under Section 501(a) of the Internal Revenue Code, as an organization described in Section 501(c)(3), and also under Section 115(a). 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 2019 and 2018 represent the fiscal years ended June 30, 2019 and 2018, respectively. The university 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. All 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.

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.

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

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 UNIT: 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 property and making expenditures to or for the benefit of the university. The IU Foundation is considered a component unit of the university, which requires discrete presentation. Accordingly, the IU Foundation's audited financial statements are presented in their original formats on separate pages.

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 \$170,744,000 and \$221,200,000 to the university during fiscal years 2019 and 2018, respectively. Complete financial statements for the IU Foundation can be obtained from: Indiana University Foundation, Attn: Controller, PO Box 500, Bloomington, IN 47402.

BLENDED COMPONENT UNIT: 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.

CASH AND CASH EQUIVALENTS: Cash and cash equivalents include all highly liquid investments with original maturities of 90 days or less that bear little or no market risk. Restricted cash and cash equivalents includes unspent bond proceeds restricted for capital expenditures.

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.

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.

CAPITAL ASSETS: Capital assets are recorded at cost at the date of acquisition or fair market value at the date of contribution in the case of gifts. 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. 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 components. 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.



INDIANA UNIVERSITY NOTES TO THE FINANCIAL STATEMENTS

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 so 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)

Total deferred outflows of resources	\$	88,336	\$	117,817
Postemployment Benefits Other Than Pensions		53,655		55,275
Total OPEB liability under GASB No. 75, Accounting and Financial Reporting for				
Net pension liability under GASB No. 68, Accounting and Financial Reporting for Pensions		18,411		43,371
Accumulated deferred charges on refundings of capital debt	\$	16,270	\$	19,171
Deferred Outflows of Resources Related to:	June	30, 2019	June 3	30, 2018

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 will be recorded as revenue in future periods. 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 so 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)

Net pension liability under GASB No. 68, Accounting and Financial Reporting for Pensions Total OPEB liability under GASB No. 75, Accounting and Financial Reporting for Postemployment Benefits Other Than Pensions	27.186	\$	23,534	
	12,478		4,733	
Net pension liability under GASB No. 68, Accounting and Financial Reporting for Pensions \$				
	14,708	\$	18,801	
Deferred Inflows of Resources Related to: June	30, 2019	June 30, 2018		

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.
- Non-operating 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. Non-operating 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 gross with the related scholarship discounts and allowances directly below 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.

NEW ACCOUNTING PRONOUNCEMENTS: Effective for fiscal year ended June 30, 2019, the university adopted GASB 83, Certain Asset Retirement Obligations. This statement establishes criteria for governments to recognize and measure certain asset retirement obligations (ARO), including obligations that have been previously reported. An ARO is a legally enforceable liability associated with the retirement of a tangible capital asset. A government that has legal obligations to perform future asset retirement activities related to its tangible capital assets should recognize a liability under this guidance. The adoption of this guidance by the university did not have a material impact on its consolidated financial statements.

Effective for fiscal year ended June 30, 2019, the university adopted GASB 88, Certain Disclosures Related to Debt, Including Direct Borrowings and Direct Replacements. This statement defines debt for the purpose of disclosure in the notes to the financial statements and expands certain disclosures for direct borrowings and placements. The adoption of this guidance by the university has been applied retroactively and impacts Note 8, Bonds and Notes Payable and Other Obligations of the consolidated financial statements.



RECLASSIFICATIONS: Certain reclassifications have been made to prior year statements and certain notes for comparative purposes and do not constitute a restatement of prior periods.

Note 2—Deposits and Investments

CUSTODIAL CREDIT RISK-DEPOSITS: The combined bank balances of the university's demand deposits were \$39,511,000 and \$78,676,000 with balances subject to custodial credit risk in the amount of \$6,252,000 and \$7,265,000 at June 30, 2019 and 2018, respectively. Of this amount, \$4,249,000 and \$5,091,000 was uninsured and uncollateralized and \$2,003,000 and \$2,174,000 was uninsured and collateralized with securities held by the pledging financial institution at June 30, 2019 and 2018, 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.

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 assure 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, 2019 and 2018, the university had deposits and investments, including endowment funds, as shown below:

(dollar amounts presented in thousands)

	Jun	e 30, 2019	June	e 30, 2018
Cash and cash equivalents	\$	268,926	\$	223,988
Short-term investments		159,725		136,879
Investments		1,617,311		1,627,984
Total deposits and investments	\$ 2	2,045,962	\$	1,988,851

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 \$2,330,000 and \$2,290,000 exposed to custodial credit risk at June 30, 2019 and 2018, respectively. The university had \$15,160,000 and \$39,143,000 where custodial credit risk could not be determined at June 30, 2019 and 2018, 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.



Frank E. McKinney Jr. Fountain In front of Simon Music Center, Jacobs School of Music; Bloomington

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, 2019:

(dollar amounts presented in thousands)

		Fair Value	Maturities (in years)										
Deposit and Investment Type		June 30, 2019		Less than 1		1–5		6-10	More than 10				
Corporate bonds	\$	303,553	\$	64,382	\$	180,043	\$	29,460	\$	29,668			
Government bonds		211,912		54,620		61,280		53,276		42,736			
Asset-backed securities		178,447		3,603		86,965		13,301		74,578			
Government issued asset-backed securities		132,189		1,811		13,061		14,760		102,557			
Other fixed income funds		127,639		88,007		9,549		3,599		26,484			
Total		953,740	\$	212,423	\$	350,898	\$	114,396	\$	276,023			

Deposits and investments not subject to interest rate risk:

Total deposits and investments	\$ 2,045,962
All other	21,006
International equities	152,103
External investment pools	246,815
Money market funds	290,211
U.S. equities	382,087



INDIANA UNIVERSITY NOTES TO THE FINANCIAL STATEMENTS

The university had fixed-rate debt securities with the following maturities at June 30, 2018:

(dollar amounts presented in thousands)

		Fair Value		Maturities (in years)										
Deposit and Investment Type		ne 30, 2018		Less than 1	1–5		6-10		М	ore than 10				
Corporate bonds	\$	384,165	\$	65,102	\$	244,467	\$	41,662	\$	32,934				
Government bonds		299,808		55,270		129,357		63,396		51,785				
Asset-backed securities		258,870		916		127,026	127,026		108,30					
Government issued asset-backed securities		132,282		2,052		18,324		12,673		99,233				
Other fixed income funds		172,706		116,525		18,867		14,958		22,356				
Total		1,247,831	\$	239,865	\$	538,041	\$	155,313	\$	314,612				
Deposits and investments not subject to interest rate risk:														
External investment pools		246,439												
Money market funds		195,244												
U.S. equities		176,189												
International equities		71,358												
All other		51,790												
Total deposits and investments	\$	1,988,851												

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 'AA-/Aa3' for Defensive Managers, 'A/A2' for Core Plus Managers, or as specified in each manager's guidelines.

The credit ratings for the university's deposits and investments subject to credit risk as of June 30, 2019 are shown below:

(dollar amounts presented in thousands)

Total deposits and investments	\$ 2.045.962							
Not subject to credit risk	555,196	-						
Percentage subject to credit risk		27.82%	12.92%	8.55%	10.15%	3.35%	10.70%	26.51%
Total	1,490,766	\$ 414,775	\$192,548	\$127,498	\$151,290	\$49,949	\$159,562	\$395,144
External investment pools	246,815	-	-	-	-	-	-	246,815
Money market funds	290,211	285,395	-	-	-	-	-	4,816
Other fixed income funds	127,639	-	-	-	1,387	5,698	5,417	115,137
Government issued asset- backed securities	132,189	491	1,064	706	-	-	129,928	-
Asset-backed securities	178,447	121,037	9,375	7,649	8,313	2,248	8,083	21,742
Government bonds	211,912	6,001	164,452	17,226	6,768	8,004	6,201	3,260
Corporate bonds	\$ 303,553	\$ 1,851	\$ 17,657	\$ 101,917	\$ 134,822	\$ 33,999	\$ 9,933	\$ 3,374
Investment Type	Fair Value	AAA	AA	Α	BBB	BB	Below BB	Not Rated

The credit ratings for the university's deposits and investments subject to credit risk as of June 30, 2018 are shown below:

Investment Type	Fair Value		AAA	AA		Α	BBB	BB	В	elow BB	Not Rated
Corporate bonds	\$ 384,165	\$	3,144	\$ 21,447	\$ 138,5	67	\$ 140,567	\$ 51,203	\$	16,419	\$ 12,818
Government bonds	299,808		4,731	233,756	28,6	558	6,238	12,012		10,769	3,644
Asset-backed securities	258,870		168,709	15,062	9,	514	11,097	6,113		14,862	33,513
Government issued asset-backed securities	132,282		546	3,971		-	1,769	-		125,996	-
Other fixed income funds	172,706		-	-		-	2,178	12,403		10,657	147,468
Money market funds	195,244		192,622	-		-	-	-		-	2,622
External investment pools	246,439		-	-		-	-	-		-	246,439
Total	1,689,514	\$:	369,752	\$ 274,236	\$176,7	39	\$161,849	\$ 81,731	\$	178,703	\$ 446,504
Percentage subject to credit risk			21.89%	16.23%	10.46	5%	9.58%	4.84%		10.58%	26.42%
Not subject to credit risk	299,337										
Total deposits and											
investments	\$ 1,988,851										

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 deposits and 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 broadlydiversified, 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, 2019 and 2018, the university had immaterial amounts of deposits and investments exposed to foreign currency risk.

ENDOWMENTS: Endowment funds are managed pursuant to an Investment Agency Agreement between the trustees and the IU Foundation dated November 14, 2005, which delegates investment management responsibilities to the IU Foundation. Indiana Code 30-2-12, Uniform Management of Institutional Funds, sets forth the provisions governing the investment of endowment assets and the expenditure of endowment fund appreciation. The code requires that the trustees and their agents act in good faith and with the care a prudent person acting in a like position would use under similar circumstances, with respect to the investment of endowment assets. The code also sets forth provisions governing the expenditure of endowment fund appreciation, under which the trustees may authorize expenditures, consistent with donor intent. The trustees may, at their discretion, direct all or a portion of the university's endowment funds to other deposits or investments, exclusive of the IU Foundation's investment funds. Funds held by endowments managed by the IU Foundation are used to acquire pooled shares. The spending policy of the trustees is to distribute 4.5% of the twelve quarter rolling average of pooled fund share values multiplied by the current number of shares held. The amounts of net appreciation on investments of donor-

INDIANA UNIVERSITY NOTES TO THE FINANCIAL STATEMENTS



Medical Research and Library Building IU School of Medicine, Indianapolis

restricted endowments that are available for expenditure are \$39.685.000 and \$40.534.000 as of June 30. 2019 and 2018, respectively. These amounts are reported as restricted expendable for scholarships, research, instruction, and other in net position.

Endowment funds have a perpetual investment horizon and, as appropriate, may be invested in asset classes better suited to IU Foundation's longer time horizon, including but not limited to: stocks, bonds, real estate, private placements, and alternative investments. Endowment assets may be invested in commingled funds, direct investments, or a combination of the two. Assets will typically be diversified among high quality stocks and bonds. Additional asset classes such as absolute return, private equity, and real asset investments, may be included when it is reasonable to expect these investments will either increase return, reduce risk, or both. Participation in the pooled investments is achieved by owning units of the Pooled Long-Term Fund and is considered an external investment pool to the university. The external investment pool is not registered with the Securities and Exchange Commission and does not have regulatory oversight. The Investment Committee of the IU Foundation Board of Directors provides direct oversight of the pool. At June 30, 2019, all endowments 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 pool shares. The Pooled Long-Term portfolio is diversified based on manager selection, investment style, geography, and asset type to avoid any disproportionate risk related to any one industry or security.

POOLED SHORT TERM FUND (PSTF): Spending policy distributions from the Endowment funds are held in the PSTF until utilized by the university. The IU Foundation's PSTF Investment Policy Statement governs the deposit and investment of PSTF assets. Objectives of the PSTF include providing for the preservation of capital for account holders and maintenance of adequate liquidity to meet spending requirements.

The PSTF deposits and investments are managed to address appropriate diversification, specifically to mitigate interest rate risk and protect the fund against a concentration of credit risk. The IU Foundation's PSTF policy limits commercial paper, certificates of deposit, bankers' acceptances, and repurchase agreements to \$10,000,000 per issuer with the exception of U.S. Treasuries and Agencies, or accounts collateralized by Treasuries or Agencies. In addition, individual funds or managers such as money market funds and short-term bond funds, are not to exceed \$50,000,000 or 15% of the portfolio.

Note 3—Fair Value Measurements

The university categorizes its fair value measurements within the fair value hierarchy as established by GASB Statement No. 72, Fair Value Measurement and Application. The 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.

The university had the following recurring fair value measurements as of June 30, 2019:

				Fair Vai	lue i	Measuremen	ts Us	ing
	Ju	ne 30, 2019		uoted Prices in Active Markets for Identical Assets (Level 1)		Significant Other Observable Inputs (Level 2)	Un	ignificant observable Inputs (Level 3)
Investments by fair value level:								
Debt securities								
Corporate bonds	\$	303,303	\$	-	\$	302,823	\$	480
Collateralized obligations and mortgage-backed securities		311,100		-		308,986		2,114
Government bonds		209,514		-		209,498		16
Inflation index linked notes		25,780		-		18,557		7,223
Bank loans		13,194		-		13,194		-
Commingled funds		26,484		22,088		-		4,396
Municipal and provincial bonds		3,638		-		3,638		-
Total debt securities		893,013		22,088		856,696		14,229
Equity securities		534,174		534,174		-		-
External investment pool		246,815		-		-		246,815
Real estate		6,269		-		-		6,269
All other		8,388		-		8,388		-
Total investments by fair value level		1,688,659	\$	556,262	\$	865,084	\$	267,313
Investments measured at the net asset value (NAV):								
Commingled bond fund		87,960						
Venture capital		417						
Total investments measured at the NAV		88,377	_					
Total investments measured at fair value	\$	1,777,036						

The university had the following recurring fair value measurements as of June 30, 2018:

(dollar amounts presented in thousands)

				Fair Va	lue i	Measuremen	ts Us	sing
	Jur	June 30, 2018		Quoted Prices in Active Markets for Identical Assets (Level 1)		Significant Other Observable Inputs (Level 2)	Un	ignificant observable Inputs (Level 3)
Investments by fair value level:								
Debt securities								
Corporate bonds	\$	384,165	\$	-	\$	383,662	\$	503
Collateralized obligations and mortgage-backed securities		391,152		-		386,424		4,728
Government bonds		272,846		-		272,828		18
Inflation index linked notes		21,412		-		21,412		-
Bank loans		33,825		-		33,825		-
Commingled funds		22,356		18,134		-		4,222
Municipal and provincial bonds		6,399		-		6,399		-
Total debt securities		1,132,155		18,134		1,104,550		9,471
Equity securities		246,953		246,953		-		-
External investment pool		246,439		-		-		246,439
Real estate		6,269		-		-		6,269
All other		15,761		418		15,343		-
Total investments by fair value level		1,647,577	\$	265,505	\$	1,119,893	\$	262,179
Investments measured at the net asset value (NAV):								
Commingled bond fund		116,525						
Venture capital		761						
Total investments measured at the NAV		117,286						
Total investments measured at fair value	\$	1,764,863						

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.

Debt securities classified in level 1 at June 30, 2019 and 2018, are valued using unadjusted quoted prices in active markets for those securities.

The fair value of debt securities at June 30, 2019 and 2018, 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. 2019 and 2018, 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, 2019 and 2018, are valued using unadjusted quoted prices in active markets for those securities.

The fair value of external investment pools at June 30, 2019 and 2018, are determined primarily based on level 3 inputs. A monthly valuation assigned to the shares of the pool is used to determine the fair value of the investment pools. A significant portion of the investment pool, approximately \$239,900,000 and \$237,481,000 respectively at June 30, 2019 and 2018, was held at the IU Foundation. The fair value hierarchy of the foundation's investments can be found in Note 18, Indiana University Foundation Notes to Financial Statements.

The university holds several parcels of real estate for investment purposes. The fair values of these properties are based on appraisals received in June 2016. Since new appraisals were not received for this fiscal year, real estate is classified as level 3 at June 30, 2019 and 2018.

The fair value of all other investments at June 30, 2019 and 2018, 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 bond 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. The commingled bond fund's investment objective is to invest primarily in a portfolio of higher-yielding fixed income securities. There are no unfunded commitments and the investment can be redeemed with a written three-day notice.

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, 2019 and 2018. This investment cannot be redeemed until the earlier of December 31, 2020, or one year after the date on which all of the fund's investments have been liquidated.

Note 4—Accounts Receivable

Accounts receivable consisted of the following at June 30, 2019 and 2018: (dollar amounts presented in thousands)

	June 30, 2019		June 30, 2018				
Student accounts	\$	50,637	\$	49,506			
Auxiliary enterprises and other operating activities	6	64,590		62,767			
Federal, state, and other grants and contracts		18,118		19,588			
Capital appropriations and gifts		3,332		2,451			
Other		8,172		8,584			
Current accounts receivable, gross	14	4,849		142,896			
Less allowance for uncollectible accounts		(8,221)		(9,038)			
Current accounts receivable, net	\$ 13	36,628	\$	133,858			

Note 5—Capital Assets

Fiscal year ended June 30, 2019

		alance								Balance
	June	30, 2018	Α	dditions	Trans	sfers	Retire	ements	Jun	e 30, 2019
Assets not being depreciated:										
Land	\$	83,060	\$	2,797	\$	-	\$	-	\$	85,857
Art & museum objects		101,133		4,000		-		-		105,133
Construction in progress		195,073		115,671	(14	8,645)		-		162,099
Total capital assets not being										
depreciated		379,266		122,468	(148	3,645)		-		353,089
Other capital assets:										
Infrastructure		248,367		6,955		2,231		-		257,553
Intangibles		12,842		-		-		-		12,842
Land improvements		85,385		4,785		159		-		90,329
Equipment		472,970		37,378	:	16,172		26,165		500,355
Library books		169,852		6,769		-		25,771		150,850
Buildings		4,356,574		64,486	13	0,083		1,530		4,549,613
Total other capital assets	5	,345,990		120,373	148	3,645	5	3,466	5	5,561,542
Less accumulated depreciation for:										
Infrastructure		164,792		5,547		-		-		170,339
Intangibles		10,872		1,093		-		-		11,965
Land improvements		33,829		4,363		-		-		38,192
Equipment		341,958		37,163		-	2	25,283		353,838
Library books		104,855		16,114		-		25,771		95,198
Buildings		1,790,341		100,417		-		646		1,890,112
Total accumulated depreciation, other				16460-				-1 -0.0	_	FF0.644
capital assets Capital assets, net		2,446,647 3,278,609	\$	164,697 78,144	\$	-	! \$	51,700 1,766		,559,644 3,354,987

Fiscal year ended June 30, 2018 (dollar amounts presented in thousands)

		Balance					Balance
	Jui	ne 30, 2017	F	Additions	Transfers	Retirements	June 30, 2018
Assets not being depreciated:							
Land	\$	80,524	\$	2,536	\$ -	\$ -	\$ 83,060
Art & museum objects		93,928		7,205	-	-	101,133
Construction in progress		228,213		128,134	(161,155)	119	195,073
Total capital assets not being							
depreciated		402,665		137,875	(161,155)	119	379,266
Other capital assets:							
Infrastructure		238,810		6,175	3,382	-	248,367
Intangibles		12,329		513	-	-	12,842
Land improvements		83,723		1,556	106	-	85,385
Equipment		461,971		33,472	4,847	27,320	472,970
Library books		186,732		6,561	-	23,441	169,852
Buildings		4,100,948		107,247	152,820	4,441	4,356,574
Total other capital assets		5,084,513		155,524	161,155	55,202	5,345,990
Less accumulated depreciation for:							
Infrastructure		159,404		5,388	-	-	164,792
Intangibles		9,223		1,649	-	-	10,872
Land improvements		29,529		4,300	-	-	33,829
Equipment		334,411		32,791	-	25,244	341,958
Library books		110,470		17,826	-	23,441	104,855
Buildings		1,696,982		96,187	-	2,828	1,790,341
Total accumulated depreciation, other							
capital assets		2,340,019		158,141		51,513	2,446,647
Capital assets, net	\$	3,147,159	\$	135,258	\$ -	\$ 3,808	\$ 3,278,609

The university incurred interest costs of \$42,347,000 and \$46,815,000 in fiscal years ending June 30, 2019 and 2018, respectively. Of these amounts, \$3,046,000 and \$4,851,000 was capitalized during the construction of capital assets in fiscal years ending June 30, 2019 and 2018, respectively.

Note 6—Accounts Payable and Accrued Liabilities

Accounts payable and accrued liabilities consisted of the following at June 30, 2019 and 2018:

(dollar amounts presented in thousands)

Total accounts payable and accrued liabilities	\$ 200,644	\$ 197,118		
Vendor and other payables	126,477	128,407		
Interest payable	7,965	7,778		
Accrual for compensated absences	48,464	43,480		
Accrued payroll	\$ 17,738	\$ 17,453		
	June 30, 2019	June 30, 2018		

Note 7—Other Liabilities

Other liability activity for the fiscal years ended June 30, 2019 and 2018, is summarized as follows:

Fiscal year ended June 30, 2019

		Balance				Balance				
	Ju	ne 30, 2018	,	Additions	Reductions		June 30, 2019			Current
Bonds, notes, and capital leases payable:										
Bonds payable	\$	812,822	\$	78,960	\$	68,693	\$	823,089	\$	66,272
Notes payable		208,420		33,800		6,802		235,418		62,277
Capital leases payable		6,193		280		2,736		3,737		1,937
Total bonds, notes, and capital leases										
payable		1,027,435		113,040		78,231		1,062,244		130,486
Other liabilities:										
Unearned revenue		147,980		-		6,364		141,616		94,460
Assets held in custody for others		75,295		-		672		74,623		738
Compensated absences		76,282		20,007		17,630		78,659		48,464
Net pension liability		92,066		-		23,490		68,576		-
Total postemployment benefits liability		268,543		27,878		41,792		254,629		-
Other		804		-		426		378		-
Total other liabilities	\$	1,688,405	\$	160,925	\$	168,605	\$	1,680,725	\$	274,148

Fiscal year ended June 30, 2018

(dollar amounts presented in thousands)

Total other liabilities	\$	1,484,135	\$ 353,689	\$ 149,419	\$ 1,688,405	\$ 253,309
Other		38,696	34	37,926	804	-
Total postemployment benefits liability		-	268,543	-	268,543	-
Net pension liability		95,689	-	3,623	92,066	-
Compensated absences		75,606	17,494	16,818	76,282	43,480
Assets held in custody for others		82,689	-	7,394	75,295	1,252
Unearned revenue		105,776	42,204	-	147,980	110,592
Other liabilities:						
Total bonds, notes, and capital leases payable		1,085,679	25,414	83,658	1,027,435	97,985
Capital leases payable		3,503	5,014	2,324	6,193	2,468
Notes payable		194,617	20,400	6,597	208,420	27,202
Bonds payable	\$	887,559	\$ -	\$ 74,737	\$ 812,822	\$ 68,315
Bonds, notes, and capital leases payable:						
	Ju	ine 30, 2017	Additions	Reductions	June 30, 2018	Current
		Balance			Balance	

Note 8—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, 2019 and 2018, the university had serial bonds and term bonds with maturities that extend to June 1, 2044. The university has both tax-exempt and taxable bonds outstanding.

The total outstanding bonds and notes payable and other obligations at June 30, 2019 and 2018, were \$1,058,507,000 and \$1,021,242,000, respectively. This indebtedness included principal outstanding at June 30, 2019 and 2018, for bonds issued under Indiana Code ("IC") 21-34-6 as student fee bonds of \$377,925,000 and \$348,060,000, respectively and under IC 21-35-3 as consolidated revenue bonds of \$369,260,000 and

\$389,810,000, respectively. This indebtedness also included principal outstanding at June 30, 2019 and 2018, for notes issued under IC 21-33-3-5 as lease-purchase obligations or certificates of participation of \$166,025,000 and \$171,825,000, respectively and under IC 21-32-2 as commercial paper of \$54,200,000 and \$20,400,000, respectively. The calculation of total bonds and notes payable at June 30, 2019 and 2018, includes the addition of bond premium outstanding of \$91,097,000 and \$91,147,000, respectively. As of June 30, 2019, and 2018, debt service payments to maturity total \$1,274,341,000 and \$1,275,280,000, respectively, of which \$452,631,000 and \$396,441,000, respectively, are from bonds eligible for fee replacement appropriations.

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. In over 45 years of making fee replacement appropriations, the State has never failed to fully fund or otherwise provide for a fee replacement obligation established by a prior General Assembly. The outstanding principal balances which are eligible for fee replacement appropriations as of June 30, 2019 and 2018, are \$343,280,000 and \$310,500,000, respectively.

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 secondly, from other legally available funds of the university. The debt service payments for consolidated revenue bonds and commercial paper and the lease payments for lease-purchase obligations or certificates of participation are payable solely from 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. 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.

IC 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 IC. The university has a commercial paper program to provide interim financing for certain capital projects and may continue to do so in the future. The university may issue tax-exempt and/or taxable commercial paper. As of June 30, 2019 and 2018, the university has commercial paper outstanding, which is considered notes for reporting purposes. The university has no credit facilities and no lines or letters of credit. 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 \$25,000,000 to mature in any five business day period. The commercial paper notes are not subject to redemption prior to their respective maturities or to acceleration of maturities. As of June 30, 2019, the university has no variable rate bonds outstanding.

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

Type of Debt	Pledge	Terminology in Bond Documents
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, or in which IUBC grants to the Trustee a security interest, under any indenture
Commercial Paper	No pledge	Not applicable

The university is not party to any swap agreements. Terms specified in debt agreements related to significant events of default with finance-related consequences and subjective acceleration clauses are as follows under leasepurchase obligations and certificates of participation ("Obligations"):

Upon the happening and continuance of any event of default, the Trustee 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, 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 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 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 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.



Bryan Hall Old Crescent, Bloomington



As of June 30, 2019, and 2018, outstanding ("O/S") indebtedness from bonds, notes, and other obligations follow: (dollar amounts presented in thousands)

	Total Student Fee Bonds					383,630	418,293	42,045
	Add unamortized bond premiu	ım				35,570	40,368	5,210
	Subtotal Student Fee Bonds					348,060	377,925	36,835
Y	Old Crescent III (Ballantine) / Geological Science-Survey renovations	10/3/18	69,470	4.00-5.00	8/1/37	-	69,470	1,910
X	Crescent II (Kirkwood, Maxwell, Owen) and refunding of Student Fee Bonds Series R and U	8/4/16	71,710	1.25-5.00	8/1/35	62,615	58,310	1,660
W-2	Refunding of Student Fee Bonds Series R and S	1/14/15	62,765	4.00-5.00	8/1/32	62,765	62,765	4,130
W-1	Franklin Hall, Arts & Sciences	1/14/15	58,960	2.00-5.00	8/1/34	53,110	50,945	2,265
V-2	Refunding of Student Fee Bonds Series P	10/26/12	47,485	1.96-2.23	8/1/20	27,210	16,250	8,045
V-1	IUPUI and IUSB Energy Savings Projects and refunding of Student Fee Bonds Series P, Q & R and Qualified Energy Savings Notes 2005, 2007 and 2008	10/26/12	60,265	5.00	8/1/26	47,370	42,270	5,365
U	Neuroscience Research Building, South Bend land acquisition and refunding of Student Fee Bonds, Series N, Series O and P	7/26/11	94,460	3.20-5.00	8/1/22	45,380	35,635	10,245
T-2	Cyberinfrastructure Building, Jordan Hall lab renovation, VanNuys Medical Science Building lab renovations, Education & Arts	4/20/10	51,390	4.68-6.14	8/1/29	45,405	42,280	3,215
S	Central Heating Plant, Data Center, Multidisciplinary Science Building II, Medical Education FW and refunding of tax-exempt Commercial Paper Series 2005A and 2007A	2/21/08	\$ 88,345		8/1/18	\$ 4,205	\$ -	\$
IC 21-34-6	(Bonds: Student Fee Bonds):							
Series	New Money Projects (acquire, construct, renovate or equip)	Issue Date	Original Issuance	Interest Rate %	Final Maturity Date	Principal O/S June 30, 2018	Principal O/S June 30, 2019	Current Principal O/S June 30, 2019

(donar arric	ounts presented in thousands)							
Series	New Money Projects (acquire, construct, renovate or equip)	Issue Date	Original Issuance	Interest Rate %	Final Maturity Date	Principal O/S June 30, 2018	Principal O/S June 30, 2019	Current Principal O/S June 30, 2019
IC 21-35-3	(Bonds: Consolidated Revenue B	Bonds):						
2009A	Ashton Housing, University Tower food court, parking lot	4/2/09	\$ 69,090		6/1/19	\$ 3,525	\$ -	\$ -
2010B	Briscoe Quad, Tulip Tree Apartments, Gateway Garage	5/27/10	92,080	4.36-5.64	6/1/35	66,095	62,880	3,305
2011A	Riverwalk Garage	3/10/11	16,040	3.00-5.00	6/1/30	6,065	5,315	770
2012A	Eigenmann, Forest Dining Hall, Read Dining, Spruce Hall, Teter, Wright Place, Science & Engineering Lab Building, Housing infrastructure and refunding of Facility Revenue Bonds Series 2004A and Student Residence System Bonds Series 2004B	1/25/12	94,490	5.00	6/1/37	77,765	73,820	4,045
2015A	Read Hall Renovation Ph. II, North Hall, and refunding of Facility Revenue Bonds Series 2000 and Consolidated Revenue Bonds (CRB) Series 2008A and 2009A	4/1/15	146,960	3.00-5.00	6/1/42	144,620	136,195	12,040
2016A	Wells Quad renovation and refunding of CRB 2008A, 2009A, and 2011A	4/5/16	93,070	2.75-5.00	6/1/41	91,740	91,050	710
	Subtotal Consolidated Rever	ue Bonds				389,810	369,260	20,870
	Add unamortized bond premiu	m				39,382	35,536	3,357
	Total Consolidated Revenue	Bonds				429,192	404,796	24,227
	Subtotal bonds					737,870	747,185	57,705
	Add unamortized bond premiu	m				74,952	75,904	8,567
	Total bonds					812,822	823,089	66,272

(40	ourres procerted in thousantale)							
Series	New Money Projects (acquire, construct, renovate or equip)	Issue Date	Original Issuance	Interest Rate %	Final Maturity Date	Principal O/S June 30, 2018	Principal O/S June 30, 2019	Current Principal O/S June 30, 2019
	-5 (Notes: Certificates of Particip	,						
2009B	Auxiliary Library Facility II and HPER courtyard, Cinema/Theatre	12/17/09	\$ 18,420	4.60-5.95	12/1/29	\$ 14,035	\$ 12,990	\$ 1,080
2012A	Andy Mohr Field (Softball)/ Bart Kaufman Field (Baseball) and refunding of Certificates of Participation Series 2003A	2/9/12	23,750	2.50-4.13	12/1/36	16,950	15,750	1,230
2013A	Global & International Studies Building	3/8/13	22,515	3.00-5.00	6/1/33	18,710	17,815	930

Series	New Money Projects (acquire, construct, renovate or equip)	Issue Date	Original Issuance	Interest Rate %	Final Maturity Date	Princi 0/S J 30, 20	une	Principal O/S June 30, 2019	Current Principal O/S June 30, 2019
	5 (Notes: Lease Purchase Ob		100001100	71010 70	Bato	00, 20	710	00,2013	00,2013
2014A	University Hall	2/13/14	\$ 21,045	4.00-5.00	6/1/35	\$ 18	,945	\$ 18,200	\$ 775
2015A	Assembly Hall renovation	5/13/15	31,025	3.13-5.00	6/1/34	29	,240	27,975	1,315
2017A	Eskenazi Museum of Art, Memorial Stadium Excellence Academy/ Stadium renovation	3/8/17	74,575	2.00-5.00	6/1/44	73	3,945	73,295	1,745
	Subtotal Obligations					171	,825	166,025	7,075
	Add unamortized bond pren	mium				16	5,195	15,193	1,002
	Total Obligations					188	,020	181,218	8,077
IC 21-32-2	(Notes: Interim Financing: 0	Commercial	Paper)						
2018A	Parking/Office Building including Fine Arts Annex, Wilkinson Hall	5/22/18	20,400	1.48	8/20/18	20	,400	-	-
2018A	Parking/Office Building including Fine Arts Annex, Wilkinson Hall, Golf Course renovation; Foster Quad renovation	Various	34,200	1.43-1.55	9/4/19; 9/12/19		-	34,200	34,200
2019A	Academic Health Sciences Building	6/12/19	20,000	2.38	11/26/19		-	20,000	20,000
	Subtotal Commercial Pap	er				20	400	54,200	54,200
	Add unamortized bond pre	mium					-	-	-
	Total Commercial Paper					20	400	54,200	54,200
	Subtotal notes					192	,225	220,225	61,275
	Add unamortized bond pre	mium				16	5,195	15,193	1,002
	Total notes					208	,420	235,418	62,277
	Subtotal bonds and notes obligations	s payable a	nd other			930	,095	967,410	118,980
	Add unamortized bond pren	mium				9	1,147	91,097	9,569
	Total bonds and notes par obligations	yable and c	other			\$1,021	,242	\$ 1,058,507	\$ 128,549



The principal and interest requirements to maturity for fixed rate bonds and notes payable follow: (dollar amounts presented in thousands)

Fiscal Year Ending June 30	F	Bond Principal	Note Principal	Total Principal	В	ond Interest	Note Interest	To	otal Interest	Total Debt Service Payments
2020	\$	57,705	\$ 7,075	\$ 64,780	\$	34,120	\$ 7,515	\$	41,635	\$ 106,415
2021		59,610	7,365	66,975		31,562	7,209		38,771	105,746
2022		51,665	7,670	59,335		29,052	6,883		35,935	95,270
2023		53,920	7,535	61,455		26,546	6,575		33,121	94,576
2024		49,040	7,550	56,590		24,084	6,213		30,297	86,887
2025-2029		239,930	43,355	283,285		83,164	25,071		108,235	391,520
2030-2034		146,785	43,970	190,755		36,877	15,120		51,997	242,752
2035-2039		76,610	22,335	98,945		10,028	7,509		17,537	116,482
2040-2044		11,920	19,170	31,090		901	2,702		3,603	34,693
Total	\$	747,185	\$ 166,025	\$ 913,210	\$	276,334	\$ 84,797	\$	361,131	\$ 1,274,341

Bond and note interest shown above are reported gross of (before) any federal interest subsidy as scheduled at issuance to be received on taxable Build America Bonds.

COMMERCIAL PAPER: The University has available a \$100 million commercial paper program, issued in two series, with taxexempt and taxable components. Commercial paper may be issued for interim financing for capital projects. 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.

	June 3	June 30, 2019			, 2018	
	Interest Rate %		ncipal anding	Interest Rate %	Prin Outsta	cipal anding
Tax-exempt	1.43-1.55	\$	34,200	1.48	\$	20,400
Taxable	2.38		20,000	-		-

In prior years, the university has defeased several bond issues by issuing new debt. United States Treasury obligations or federal agency securities have been purchased in amounts sufficient to pay principal and interest payments when due, through the maturity or call dates of the defeased bonds. These securities or cash have been deposited in irrevocable trusts as required to defease the bonds. The defeased bonds and the related trusts balances are not reflected within principal outstanding, total debt service, or the university's liabilities.

As of June 30, 2019, the previously defeased bonds held in escrow have the following amounts of principal redeemed:

(dollar amounts presented in thousands)

Defeased Bonds (Refunded)	Principal edeemed	Call Date
Student Fee Bonds, Series U	\$ 19,705	8/1/2021
Consolidated Revenue Bonds, Series 2011A	5,375	6/1/2020
Total defeased bonds	\$ 25,080	

In February 2009, the United States Congress enacted the American Recovery and Reinvestment Act of 2009 (ARRA). ARRA allowed certain tax advantages to state and local governmental entities when such entities issued qualifying taxable obligations, referred to as Build America Bonds ("BABs"). While the BAB provisions in ARRA expired as of January 1, 2011, the obligation of the U.S. Treasury to make subsidy payments on BABs will remain in effect through the final maturity date of BABs. Although issuers of BABs were eligible to receive subsidy payments from the U.S. Treasury equal to 35% of the corresponding interest payable on the related BABs, subsidies paid after February 28, 2013, were cut due to the federal seguestration. Through June 30, 2019, BABs subsidies for Student Fee Bonds, Series T-2; Consolidated Revenue Bonds, Series 2010B; and Certificates of Participation, Series 2009B combined were reduced by \$1,121,000, which per fiscal year effected was less than \$200,000. Total federal interest subsidies as scheduled at issuance to be received over the remaining life of the BABs debt outstanding as of June 30, 2019, are \$17,220,000. BABs subsidies paid between October 1, 2019, and September 30, 2020, are

scheduled to be reduced by 5.90% due to the federal sequestration, as compared to 6.20% in the prior year. For fiscal year ending June 30, 2020, the total expected subsidy reductions due to the seguestration is \$131,000. which is subject to changes enacted by Congress at subsequent dates.

On February 13, 2019 and June 4, 2019, the university issued tax exempt Indiana University Commercial Paper Notes in the amount of \$4,600,000 and \$9,200,000, respectively. On June 12, 2019, the university issued taxable Indiana University Commercial Paper Notes in the amount of \$20,000,000. The total outstanding commercial paper notes at June 30, 2019 and 2018, were \$54,200,000 and \$20,400,000, respectively. Commercial paper notes are issued by the university from time to time 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 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, 2033.

On October 3, 2018, the university issued fixed rate new money Student Fee Bonds Series Y with a par amount of \$69,470,000. The purpose of the issue was to provide financing for the Old Crescent Renovation Phase III project, which includes the renovation of Ballantine Hall and the Geological Sciences/Geological Survey building, both of which are on the Bloomington Campus. The proceeds were also used to pay costs to issue the bonds, including underwriters' discount. The all-in true interest cost for the bonds was 3.35%.

Note 9—Lease Obligations

The university has acquired equipment under various lease-purchase contracts and other capital lease agreements. The cost of equipment held under capital leases totaled \$9,125,000 and \$10,596,000 as of June 30, 2019 and 2018, respectively. Accumulated amortization of leased equipment totaled \$5,422,000 and \$4,537,000 at June 30, 2019 and 2018, respectively.

The university entered into agreements for the right



to use certain infrastructure assets for a given period of time. The cost of the leased infrastructure assets totaled \$8.861.000 and \$8.640.000 with accumulated depreciation of \$1,200,000 and \$1,195,000 as of June 30, 2019 and 2018, respectively.

The university leases certain facilities. The majority of the facility leases include renewal options and some provide for escalation of rent based on changes in operating costs. Operating lease expenditures, which also represent the minimum rental payments, amounted to \$14,942,000 for the fiscal year ended June 30, 2019.

Scheduled lease payments for the years ending June 30 are as follows:

(dollar amounts presented in thousands)

- (dental arribarite presented in the dealide)							
	Capital		Op	perating			
2020	\$	2,000	\$	25,877			
2021		1,481		8,460			
2022		337		6,103			
2023		10		3,752			
2024		-		3,098			
2025–2029		-		1,377			
Total future minimum							
payments		3,828	\$	48,667			
Less: interest		(91)					
Total principal payments							
outstanding	\$	3,737					

Note 10—Federal Obligations under Student Loan Programs

Campus based student loans are funded by new allocations received from the federal government, as well as principal and interest collected from previous student loan recipients. The federal government advanced \$797,000 and \$342,000 for health professions and nursing loan programs for fiscal years ended June 30, 2019 and 2018, respectively.

Liabilities at June 30, 2019 and 2018, for loan programs were as follows:

(dollar amounts presented in thousands)

	,			
	June 30, 2019			ne 30, 018
Current portion of assets held in custody for others Noncurrent liabilities:	\$	738	\$	1,252
Federal share of interest	50	0,205	48,922	
Perkins loans	7,92		8,490	
Health professions loans	12	2,050	13,734	
Nursing loans		3,710	2,897	
Total noncurrent portion of assets held in custody for others	7	3,885	-	74,043
Total assets held in custody				
for others	\$ 74	4,623	\$ 7	75,295

Federal Perkins Loan program expired on September 30, 2017. Barring any subsequent renewal of the program, Perkins federal funds will be required to be repaid over successive future periods.

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 \$400,000 per occurrence covered by OCIC, 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 \$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 \$400,000 for each claim and \$1,200,000 annually in aggregate provided by OCIC. The university is self-funded for the first \$850,000 for each Workers' Compensation claim and \$125,000 in the aggregate for all claims in excess of \$850,000 for each claim. 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 \$850,000 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 three health care plans for full-time appointed active employees and one plan for under-65 retirees not yet eligible for Medicare. All of the employee plans are self-funded. The university records a liability for incurred but unpaid claims for university-sponsored, selffunded health care plans. This liability is estimated to be no more than 12.5% of the paid self-funded claims during the fiscal year and totals \$27,665,000 and \$27,344,000 at June 30, 2019 and 2018, respectively. In addition, a potential claims fluctuation liability of \$9,876,000 has been recorded at June 30, 2019 and 2018.

Changes in the balances of accrued insurance liabilities were as follows:

(dollar amounts presented in thousands)

		Claims		
		Incurred and		
Fiscal	Beginning	Changes in	Claims	Ending
Year	Balance	Estimates	Paid	Balance
2019	\$27,344	\$234,680	\$(234,359)	\$27,665
2018	25,150	235,388	(233,194)	27,344

Separate funds have been established to account for the liability of incurred but unpaid health care claims, as well as any unusual catastrophic claims fluctuation experience. 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 selffunded with a stop/loss provision. The university has recorded a liability for incurred but unpaid claims for university-sponsored, self-funded health care plans in the amount of \$1,536,000 and \$1,652,000 at June 30, 2019 and 2018, respectively. 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 19,809 and 19,517 active employees as of June 30, 2019 and 2018, respectively, in addition to contributing to the 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 \$4,928,000 during fiscal year ended June 30, 2019, and \$4,271,000 during fiscal



year ended June 30, 2018, to TIAA-CREF for the plan. The university contributed \$1,212,000 during fiscal year ended June 30, 2019, and \$965,000 during fiscal year ended June 30, 2018, to Fidelity Investments for the plan. Under this plan, 2,363 and 2,212 employees directed university contributions to TIAA-CREF as of June 30, 2019 and 2018, respectively. In addition, 592 and 506 directed university contributions to Fidelity Investments as of June 30, 2019 and 2018, 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 \$58,263,000 during fiscal year ended June 30, 2019, and \$59,328,000 during fiscal year ended June 30, 2018, to TIAA-CREF for the IU Retirement Plan. The university contributed \$54,321,000 during fiscal year ended June 30, 2019, and \$48,693,000 during fiscal year ended June 30, 2018, to Fidelity Investments for the IU Retirement Plan. Under this plan, 6,793 and 7,026 employees directed university contributions to TIAA-CREF as of June 30, 2019 and 2018, respectively. In addition, 8,503 and 7,799 employees directed university contributions to Fidelity Investments as of June 30, 2019 and 2018, 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 740 and 796 active employees on June 30, 2019 and 2018, respectively, covered by the IU Supplemental Early Retirement Plan (IUSERP), a defined contribution plan in compliance with IRC 401(a), with participant accounts at TIAA-CREF and Fidelity Investments. The university contributed \$2,089,000 and \$2,164,000 to IUSERP during fiscal years ended June 30, 2019 and 2018, 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. This plan is a combination of IRC Section 403(b) and Section 457(f) and can be found in Note 13, Postemployment Benefits. 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.

IU REPLACEMENT RETIREMENT PLAN FUNDING POLICY AND ANNUAL PENSION COST: The

university has established an early retirement plan for eligible employees to accommodate IRS requirements and as authorized by the trustees. This plan is called the IU Replacement Retirement Plan. It is a single-employer plan and is qualified under IRC Section 401(a), with normal benefits payable for the participants' lifetime. Trust and recordkeeping activities are outsourced to the TIAA-CREF Trust Company. There were 65 and 76 employees eligible to participate as of June 30, 2019 and 2018, respectively. University contributions related to this plan totaled \$891,000 and \$1,004,000 for fiscal years ended June 30, 2019 and 2018, respectively, with no employee contributions. These amounts represent 100% of the funding policy contribution. As of June 30, 2019 and 2018, the net pension liability was \$4,787,000 and \$4,879,000, respectively.

INDIANA PUBLIC EMPLOYEES' RETIREMENT

FUND: The university contributes to the Indiana Public Employees' Retirement Fund (PERF), a defined benefit pension plan with an annuity savings account provision. Indiana Public Retirement System (INPRS) administers the cost-sharing, multiple-employer public employee retirement plans, which provide retirement benefits to plan members and beneficiaries. Support staff and temporary employees who normally work at least 50% FTE appointment hired prior to July 1, 2013, participate in the PERF plan. There were 2,493 and 2,885 active university employees covered by this retirement plan as of June 30, 2019 and 2018, respectively. State statutes authorize the university to contribute to the plan and govern most requirements of the system. The PERF retirement benefit consists of the pension and an annuity savings account, both of which are funded by employer contributions. Contributions to PERF are determined by INPRS Board of Trustees in accordance with IC 5-10.2-2-11 and are based on actuarial investigation and valuation. 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 pension benefit. The annuity savings 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 annuity savings account. The university has elected to make the contributions to annuity savings account on behalf of the members. 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. Investments of the pension plan are valued as follows: Investments are reported at fair value. Short-term investments are reported at cost. Fixed income and equity securities are valued based on published market prices, quotations from national security exchanges, or using modeling techniques that approximate a fair value for securities that are not traded on a national exchange. Alternative investments are valued based on quoted market prices or using estimates of fair value in the absence of readily determinable public market values. Derivative instruments are marked to market daily. This report 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 \$14,795,000 and \$16,403,000 for fiscal years ended June 30, 2019 and 2018, respectively. This represented an 11.2% university pension benefit contribution for fiscal years ended June 30, 2019 and 2018, and a 3.0% university contribution for the annuity savings account provisions each year.



Dunn's Woods Old Crescent, Bloomington

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, 2019, the University reported a liability of \$68,576,000 for its proportionate share of the net pension liability, as compared to \$92,066,000 for the year ended June 30, 2018. The June 30, 2019, net pension liability of \$68,576,000 at the measurement date was measured as of June 30, 2018, and the total pension liability used to calculate the net pension liability was determined by an actuarial valuation as of June 30, 2017, which used update procedures to roll forward the estimated liability to June 30, 2018. 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, 2018, the university's proportion was 2.02%, a decrease of .04 percentage points from its proportion measured as of June 30, 2017, which was 2.06%. The university's June 30, 2017 proportion decreased .05 percentage points from its proportion measured as of June 30, 2016, which was 2.11%. Pension expense of the university as of June 30, 2019 and 2018, was \$12,172,000 and \$14,285,000, respectively.



At June 30, 2019, the university reported deferred outflows of resources and deferred inflows of resources related to pensions from the following sources:

(dollar amounts presented in thousands)

PERF	-			
	Out	Deferred Outflows of Resources		eferred flows of esources
Differences between expected and actual experience	\$	897	\$	5
Changes of assumptions		163		11,011
Net difference between projected and actual earnings on pension plan investments		2,031		-
Changes in proportion and differences between university contributions and proportionate share of contributions		4,100		3,692
University contributions subsequent to the measurement date		11,220		-
Total	\$	18,411	\$	14,708

Deferred outflows of resources in the amount of \$11,220,000 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, 2020.

At June 30, 2018, the university reported deferred outflows of resources and deferred inflows of resources related to pensions from the following sources:

(dollar amounts presented in thousands)

PERF	-			
	Ou	Deferred Outflows of Resources		eferred flows of esources
Differences between expected and actual experience	\$	1,748	\$	71
Changes of assumptions		1,478		-
Net difference between projected and actual earnings on pension plan investments		9,947		-
Changes in proportion and differences between university contributions and proportionate share of contributions		16,867		18,730
University contributions subsequent to the measurement date		13,331		-
Total	\$	43,371	\$	18,801

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

Fiscal Year Ending June 30	PERF
2019	\$ 1,738
2020	(2,870)
2021	(5,170)
2022	(1,215)
2023	-
Thereafter	-

Actuarial Assumptions. The total pension liability as of June 30, 2018, and June 30, 2017, based on the results of actuarial valuation dates of June 30, 2017, and June 30, 2016, and rolled forward, respectively, were determined using the following actuarial assumptions, which were applied to all periods included in the measurement:

	PERF	
	Measurement Date as of June 30, 2018	Measurement Date as of June 30, 2017
Cost of living	FY 2020-2021 – 13th check FY 2022-2033 – 0.4% FY 2034-2038 – 0.5% FY 2039 and on – 0.6%	1.0%
Inflation	2.25%, average	2.25%, average
Future salary increases	2.50% to 4.25%	2.50% to 4.25%
Investment rate of return	6.75%, net of pension plan investment expense	6.75%, net of pension plan investment expense
Mortality rates	Based on RP-2014 (with MP-2014 improvement removed) Total Data Set Mortality Tables and Disability Mortality Tables for disabled members	Based on RP-2014 (with MP-2014 improvement removed) Total Data Set Mortality Tables and Disability Mortality Tables for disabled members

The actuarial assumptions used in the valuations of June 30, 2018, were adopted by the Indiana Public Retirement System Board pursuant to the experience studies which reflected the period from July 1, 2010 through June 30, 2014. Member census data as of June 30, 2017, was used in the valuation and adjusted, where appropriate, to reflect changes between June 30, 2017 and June 30, 2018. Standard actuarial roll forward techniques were then used to project the total pension liability computed as of June 30, 2017 to the June 30, 2018 measurement date.

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. Various real return premiums over the baseline inflation rate have been established for each asset class. The long-term expected nominal rate of return has been determined by calculating a weighted average of the expected real return premiums for each asset class, adding the projected inflation rate, and adding the expected return from rebalancing uncorrelated asset classes. The target allocation and best estimates of geometric real rates of return for each major asset class are summarized in the following table:

		PERF		
	Measurement D	ate as of June 30, 2018	Measurement Date a	as of June 30, 2017
	Target Allocation	Long-Term Expected Real Rate of Return	Target Allocation	Long-Term Expected Real Rate of Return
Public equity	22.0%	4.4%	22.0%	4.9%
Private equity	14.0%	5.4%	14.0%	5.7%
Fixed income – ex inflation-linked ¹	20.0%	2.2%	20.0%	2.3%
Fixed income – inflation-linked	7.0%	0.8%	7.0%	0.6%
Commodities	8.0%	2.3%	8.0%	2.2%
Real estate	7.0%	6.5%	7.0%	3.7%
Absolute return	10.0%	2.7%	10.0%	3.9%
Risk parity	12.0%	5.2%	12.0%	5.1%
Total	100.0%	_	100.0%	

¹ Includes cash & cash equivalents

Discount rate. The discount rate used to measure the total pension liability was 6.75% for PERF at June 30, 2018 and 2017. 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 6.75% for both years, 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		19	% Decrease (5.75%)	 t Discount (6.75%)]	1% Increase (7.75%)
June 30, 2019		\$	107,949	\$ 68,576	\$	35,743
June 30, 2018			134,275	92,066		56,979

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 \$1,115,000 at June 30, 2019, and \$1,192,000 at June 30, 2018, for the outstanding amount of contributions to the pension plans required for the year ended June 30, 2019 and 2018, 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") under the requirements for reporting Other Postemployment Benefit Plans (OPEB) required by GASB Statement No. 75, Accounting and Financial Reporting for Postemployment Benefits Other Than Pensions (GASB 75).

The Plan is a single-employer defined benefit plan administered by the 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 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. Reflected in this note are benefits related to an early retirement incentive plan, approved by executive management in fiscal year 2014, which includes five years of annual contributions to a health reimbursement account.

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 \$814,000 and \$826,000 in premiums in the fiscal years



ended June 30, 2019 and June 30, 2018, respectively. The university contributed \$32,264,000 and \$37,188,000 to the consolidated OPEB Plan in fiscal year ended June 30, 2019 and June 30, 2018, respectively. The university does not maintain a separate legal trust to house assets used to fund postemployment benefits.

As of the June 30, 2018 actuarial valuation date, the number of plan participants consisted of the following:

Total	399	17,924	24,488
Inactive employees receiving benefits	233	487	5,734
Active employees	166	17,437	18,754
	18/20 Plan	Insurance	Insurance
		Retiree Health	Retiree Life

OPEB LIABILITY, OPEB EXPENSE, AND DEFERRED **OUTFLOWS OF RESOURCES AND DEFERRED** INFLOWS OF RESOURCES: At June 30, 2019 and 2018. the university reported \$254,629,000 and \$268,543,000 for its total OPEB liability, respectively. At June 30, 2019 and 2018, the university reported \$27,717,000 and \$21,931,000 for its total OPEB expense, respectively. The total OPEB liability was measured as of June 30, 2019, and was determined with results from July 1, 2018, actuarially projected on a "no gain / no loss" basis to get to the June 30, 2019 measurement date. Liabilities as of July 1, 2018, are based on an actuarial valuation date of July 1, 2018,

with no adjustments.

Changes in the total reported liability for postemployment benefits obligations and total OPEB expense for the year ended June 30, 2019, are summarized as follows:

	1	8/20 Plan	R	etiree Health Insurance	Retiree Life Insurance	Total
Total OPEB liability, beginning of year	\$	128,913	\$	103,463	\$ 36,167	\$ 268,543
Service cost		2,209		8,427	974	11,610
Interest		4,571		4,243	1,410	10,224
Changes in assumptions		653		3,257	2,134	6,044
Differences between expected and actual experience		(3,203)		(6,325)	-	(9,528)
Benefit payments		(26,277)		(4,552)	(1,435)	(32,264)
Total OPEB liability, end of year	\$	106,866	\$	108,513	\$ 39,250	\$ 254,629
OPEB expense	\$	5,970	\$	19,189	\$ 2,558	\$ 27,717

Changes in the total reported liability for postemployment benefits obligations and total OPEB expense for the year ended June 30, 2019, are summarized as follows:

(dollar amounts presented in thousands)

	18	8/20 Plan	Retiree Health Insurance	Retiree Life Insurance	Total
Total OPEB liability, beginning of year	\$	156,905	\$ 40,456	\$ 35,897	\$ 233,258
Service cost		3,442	3,111	1,095	7,648
Interest		5,169	1,494	1,301	7,964
Changes in assumptions		(790)	3,498	(909)	1,799
Differences between expected and actual experience		(3,625)	58,618	69	55,062
Benefit payments		(32,188)	(3,714)	(1,286)	(37,188)
Total OPEB liability, end of year	\$	128,913	\$ 103,463	\$ 36,167	\$ 268,543
OPEB expense	\$	8,121	\$ 11,507	\$ 2,303	\$ 21,931

The discount rate changed from 3.87% as of July 1, 2018, 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%. The university has not had a recent experience study. The actuarial assumptions for non-18/20 Plans have not been updated since the 2006 valuation.

At June 30, 2019, the university reported deferred outflows and inflows of resources related to OPEB from the following sources:

	 Deferred Outflows of Resources		
Changes in Assumptions:			
18/20 Plan	\$ 572	\$	615
Retiree health insurance	5,570		-
Retiree life insurance	1,867		707
Differences between expected and actual experience:			
18/20 Plan	-		5,622
Retiree health insurance	45,592		5,534
Retiree life insurance	54		-
Total	\$ 53,655	\$	12,478

At June 30, 2018, the university reported deferred outflows and inflows of resources related to OPEB from the following sources:

(dollar amounts presented in thousands)

	Deferred Outflows of Resources	Deferred Inflows of Resources
Changes in Assumptions:		
18/20 Plan	\$ -	\$ 703
Retiree health insurance	3,109	-
Retiree life insurance	-	808
Differences between expected and actual experience:		
18/20 Plan	-	3,222
Retiree health insurance	52,105	-
Retiree life insurance	61	-
Total	\$ 55,275	\$ 4,733

These amounts will be recognized in OPEB expense as follows:

	18/20		Retiree Health Insurance	Retiree Life Insurance	Total
2020	\$	(809) \$	6,518 \$	173 \$	5,882
2021		(809)	6,518	173	5,882
2022		(809)	6,518	173	5,882
2023		(809)	6,518	173	5,882
2024		(809)	6,518	173	5,882
Thereafter		(1,619)	13,037	347	11,765

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

	Measurement Date as of June 30, 2019	Measurement Date as of June 30, 2018
Payroll growth (medical/life plan)	3.0%	3.0%
Payroll growth (18/20 plan)	2.5%	2.5%
Inflation	3.0%	3.0%
Health care cost trend rates	8.5% for fiscal year 2020 to 5.0% for fiscal year 2027 and later years	9.0% for fiscal year 2019 to 5.0% for fiscal year 2027 and later years
Mortality rates	Based on RPH-2017 Total Data Set Mortality Table fully generational using Scale MP-2017	Based on RPH-2017 Total Data Set Mortality Table fully generational using Scale MP-2017
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, 2019, was 3.51% and 3.87% as of July 1, 2018. 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 Bond Buyer Go 20 index was used for the current discount rate.

Sensitivity of total OPEB liability to the discount rate. The following table presents the June 30, 2019, total OPEB liability using the discount rate of 3.51%, 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)

Sensitivity of Total OPEB Liability	1% Decrease Current Discount (2.51%) (3.51%)		Current Discount Rate (3.51%)		1% Increase (4.51%)
18/20 plan	\$ 108,660	\$	106,866	\$	105,043
Retiree health insurance	118,105		108,513		99,718
Retiree life insurance	46,253		39,250		33,740
Total	\$ 273,018	\$	254,629	\$	238,501

Sensitivity of total OPEB liability to the discount rate. The following table presents the June 30, 2018, total OPEB liability using the discount rate of 3.87%, 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:

Sensitivity of Total OPEB Liability	1% Dec	rease (2.87%)	Currei	nt Discount Rate (3.87%)	1% Increase (4.87%)
18/20 plan	\$	131,328	\$	128,913	\$ 126,456
Retiree health insurance		112,520		103,463	95,165
Retiree life insurance		42,410		36,167	31,232
Total	\$	286,258	\$	268,543	\$ 252,853

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)

Sensitivity of Retiree Health Insurance OPEB Liability*	1	!% Decrease	crease Current Trend		1% Increase
June 30, 2019 (current 8.5% decreasing to 5%)	\$	95,372	\$ 108,513	3 \$	124,188
June 30, 2018 (current 9% decreasing to 5%)		92,104	103,463	}	116,891

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

Note 14—Related Organization

The university is a major beneficiary of the Riley Children's Endowment of which a majority of the board of directors is appointed by, or serve by virtue of position with, Indiana University. Riley Children's Endowment's net assets were \$369,647,000 and \$375,433,000 at June 30, 2019 and 2018, respectively, and are not included in the financial statements of the university.

Note 15—Functional Expense

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

Fiscal year ended June 30, 2019

	 	N	atural Classificati	ication				
Functional Classification	mpensation Benefits	Scholarships & Fellowships	Supplies & Expenses	Depreciation	Total			
Instruction	\$ 976,391	\$ 17,665	\$ 240,531	\$ - \$	1,234,587			
Research	193,511	2,188	103,228	-	298,927			
Public service	79,115	2,370	41,283	-	122,768			
Academic support	340,819	2,838	130,401	-	474,058			
Student services	93,631	1,920	31,446	-	126,997			
Institutional support	131,696	8	57,793	-	189,497			
Physical plant	97,360	45	83,729	-	181,134			
Scholarships & fellowships	17,954	118,071	4,364	-	140,389			
Auxiliary enterprises	218,241	4,606	148,575	-	371,422			
Depreciation	-	-	-	164,697	164,697			
Total operating expenses	\$ 2,148,718	\$ 149,711	\$ 841,350	\$ 164,697 \$	3,304,476			

Fiscal year ended June 30, 2018 (dollar amounts presented in thousands)

	Natural Classification							
Functional Classification	Compensation & Benefits		Scholarships & Fellowships	Supplies & Expenses	Depreciation	Total		
Instruction	\$	961,577	\$ 17,800	\$ 239,042	- \$	1,218,419		
Research		169,667	1,942	85,442	-	257,051		
Public service		74,759	2,177	40,078	-	117,014		
Academic support		345,535	2,579	126,070	-	474,184		
Student services		93,763	1,806	29,792	-	125,361		
Institutional support		113,744	9	50,788	-	164,541		
Physical plant		95,089	34	75,025	-	170,148		
Scholarships & fellowships		17,197	123,490	5,049	-	145,736		
Auxiliary enterprises		203,259	4,866	136,390	-	344,515		
Depreciation		-	-	-	158,141	158,141		
Total operating expenses	\$	2,074,590	\$ 154,703	\$ 787,676	\$ 158,141 \$	3,175,110		

Changes in allocation and presentation have been made in the current period and prior period related to a method change of deriving the functional classifications of expenses.

Note 16—Commitments and Loss Contingencies

The university had outstanding commitments for capital construction projects of \$211,415,000 and \$138,229,000 at June 30, 2019 and 2018, respectively.

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

Note 17—Subsequent Event

On September 4, 2019, the university rolled commercial paper notes Series 2018A with a par amount of \$25,000,000, and on September 12, 2019, the university rolled commercial paper notes Series 2018A with a par amount of \$9,200,000 for a total of \$34,200,000, both of which were outstanding as of June 30, 2019. The purpose of the issue was to provide interim financing for the 11th St. Garage/Office Building including Fine Arts Annex, Wilkinson Hall, Golf Course renovation, and Foster Quad renovation projects, all of which are located on the Bloomington campus. The interest cost for the notes related to these rolls was 1.30%.

Refer to Note 8, Bonds and Notes Payable and Other Obligations for more information on long-term and short-term debt.



Note 18-Indiana University Foundation Notes to Financial Statements

Indiana University Foundation

Notes to Financial Statements (In thousands)

Note 1. Organization and Operations and Significant Accounting Policies

The Indiana University Foundation, Inc. (the Foundation) is a not-for-profit corporation organized under the laws of the state of Indiana. The corporate purposes of the Foundation are to raise, receive, hold, invest and administer assets and to make expenditures to or for the benefit of Indiana University, including its regional campuses and associated entities (such as the Purdue University schools housed at the Indiana University-Purdue University Indianapolis campus, the Indiana University Building Corporation, Riley Children's Foundation, the Indiana University Research & Technology Corporation, Indiana University Health, the Indiana University Alumni Association, and certain medical practice plans), herein referred to as the University.

The mission of the Foundation is to maximize private support for Indiana University by fostering lifelong relationships with key stakeholders and providing advancement leadership and fundraising services for campuses and units across the University.

The Foundation was originally incorporated in 1936 and is empowered to perform a wide range of services and conduct a variety of activities that support the University as it carries out its missions of teaching, research, and public service. The Foundation conducts general and special purpose fundraising programs, receives and acknowledges gifts for the benefit of the University, administers those gifts to ensure that they are used as specified by the donor, invests those gifts, serves as trustee for certain types of planned gift arrangements, and provides other services for the benefit of the University as requested.

Summary of significant accounting policies:

Basis of accounting: The accompanying financial statements have been prepared on the accrual basis of accounting and in conformity with accounting principles generally accepted in the United States of America.

Basis of presentation: The Foundation follows the accounting guidance on financial statements of not-for-profit organizations, which establishes standards for general-purpose external financial statements issued by not-for-profit organizations. It requires that net assets and related support and revenue, expenses, gains and losses be classified into two classes of net assets – without donor restrictions and with donor restrictions, based upon the existence or absence of donor-imposed restrictions. A definition and description of each net asset class follows:

Net assets without donor restrictions: Net assets without donor restrictions are resources available to support the Foundation and the University as determined by the board. The only limits on the use of these net assets are the broad limits resulting for the nature of the Foundation, the environment in which it operates, the purposes specified in its corporate documents and its application for tax-exempt status, and any limits resulting from contractual agreements with creditors and others that are entered into in the course of its operations.

Net assets with donor restrictions: Net assets with donor restrictions are resources that are restricted by a donor for use for a particular purpose or in a particular future period. Some donor-imposed restrictions are temporary in nature, and the restriction will expire when the resources are used in accordance with the donor's instructions or when the stipulated time has passed. Other donor-imposed restrictions are perpetual in nature; the Foundation must continue to use the resources in accordance with the donor's instructions.

The Foundation's unspent contributions are included in this class if the donor limited their use, as are its donor-restricted endowment funds and its beneficial interest in a perpetual charitable trust held by an external trustee.



Note 18-Indiana University Foundation Notes to Financial Statements

Indiana University Foundation

Notes to Financial Statements (In thousands)

Note 1. Organization and Operations and Significant Accounting Policies (Continued)

When a donor's restriction is satisfied, either by using the resources in the manner specified by the donor and/or by the passage of time, the expiration of the restriction is reported in the financial statements by reclassifying the net assets from net assets with donor restrictions to net assets without donor restrictions. Net assets restricted for acquisition of buildings or equipment (or less commonly, the contribution of those assets directly) are reported as net assets with donor restrictions until the specified asset is placed in service by the Foundation, unless the donor provides more specific directions about the period of its use.

Cash and cash equivalents: The Foundation considers investments in marketable securities and other highly liquid investments with an original maturity of three months or less to be cash equivalents. Cash and cash equivalents managed by outside investment managers are included in investments. For these short-term instruments, cost approximates the fair market value. The cash balance exceeds federally insured limits. However, the Foundation has not experienced any losses in such accounts and management does not believe that it is exposed to any significant credit risk.

Receivables and other assets: Receivables and other assets primarily consist of life insurance receivables and other miscellaneous receivables. Based on historical experience and an analysis of specific accounts, management has determined that no allowance for doubtful accounts is necessary for receivables and other assets.

Due from brokers: The amount shown as due from brokers represents a receivable from the broker for unsettled sales of securities as of June 30, 2019 and 2018.

Promises to give: Promises to give are recorded at present value, less an allowance for uncollectible amounts, to reserve against future bad debt losses. Management utilizes a rate consistent with the level of risk associated with a donor to discount promises to give. Management estimates the uncollectable reserve annually based on past due pledge installments and evaluates the estimate against actual results to determine reliability of the estimate.

Investments: Investments are carried at fair value. Purchases and sales of securities are recorded on trade dates, and realized gains and losses are determined on the basis of the average cost of securities sold.

In connection with its investing and hedging activities, the Foundation enters into transactions, directly and indirectly through positions held by the underlying investment entities, with a variety of securities and derivative financial instruments. These derivative financial instruments may have market and/or credit risk in excess of the amounts recorded in the statements of financial position.

The Foundation's direct and indirect investments are exposed to various risks, such as interest rate, credit, and overall market volatility. Due to the level of risk associated with certain investment securities, it is reasonably possible that changes in the values of investment securities will occur in the near term and that such changes could materially affect the amounts reported in the financial statements.

Market risk: Market risk arises primarily from changes in the market value of financial instruments. Exposure to market risk is influenced by a number of factors, including the relationships between financial instruments and the volatility and liquidity in the markets in which the financial instruments are traded. In many cases, the use of financial instruments serves to modify or offset market risk associated with other transactions and, accordingly, serves to decrease the Foundation's overall exposure to market risk. The Foundation attempts to control its exposure to market risk through various analytical monitoring techniques.



Note 18-Indiana University Foundation Notes to Financial Statements

Indiana University Foundation

Notes to Financial Statements (In thousands)

Note 1. Organization and Operations and Significant Accounting Policies (Continued)

Credit risk: Credit risk arises primarily from the potential inability of counterparties to perform in accordance with the terms of a contract. The Foundation's exposure to credit risk associated with counterparty nonperformance is limited to the current cost to replace all contracts in which the Foundation has a gain. Exchange-traded financial instruments generally do not give rise to significant counterparty exposure due to the cash settlement procedures for daily market movements and the margin requirements of individual exchanges. The Foundation seeks to mitigate its exposure to this credit risk by placing its cash with major institutions.

Concentration of credit risk: The Foundation's managers currently invest with various managers and clearing brokers. In the event these counterparties do not fulfill their obligations, the Foundation may be exposed to risk. This risk of default depends on the creditworthiness of the counterparty to these transactions. The Foundation attempts to minimize this credit risk by monitoring the creditworthiness of the managers and clearing brokers.

Alternative investments: The managers of underlying investment entities in which the Foundation invests may utilize derivative instruments with off-balance-sheet risk. The Foundation's exposure to risk is limited to the amount of its investment.

Property, plant and equipment: Property, plant and equipment are recorded at cost at the date of acquisition. Depreciation is computed using the straight-line method over the assets' estimated useful lives. Purchased real estate held to benefit the University is recorded as property, plant and equipment and is depreciated over its estimated useful life, generally 20 years.

Management reviews long-lived assets for possible impairment if there is a significant event that detrimentally affects operations. The primary financial indicator used by the Foundation to assess the recoverability of its long-lived assets held and used is undiscounted future cash flows from operations. The amount of impairment, if any, is measured based on estimated fair value or projected future cash flows using a discount rate reflecting the Foundation's average cost of funds. Management has not identified any triggering events during the years ended June 30, 2019 and 2018.

Due to brokers: The amount shown as due to brokers represents a payable to the broker for unsettled purchases of securities as of June 30, 2019 and 2018.

Split interest agreement obligations: The Foundation has entered into split interest agreements, including charitable remainder trusts and gift annuities which provide that the Foundation, as trustee, make payments to designated beneficiaries in accordance with the applicable donor's trust or contractual agreement. The Foundation records a split interest agreement obligation to life beneficiaries based on the present value of the estimated payments to designated life beneficiaries.

Assets held for the University and University affiliates: The Foundation invests and administers net assets owned by the University and its affiliates under a management and custodial agreement. These are reflected as liabilities on the statements of financial position.

Reclassification of donor intent: At times, the Foundation receives requests by donors or their designees to change the use for which their original gift was intended. These requests are reviewed by the Foundation for approval. Approved changes, depending on the donors' requests, may result in the reclassification of net assets between the without donor restrictions and with donor restrictions net asset classes. Reclassifications of donor intent of \$8,636 and \$9,387 are reflected in the statements of activities as net assets released from restrictions for the years ended June 30, 2019 and 2018, respectively.



Note 18-Indiana University Foundation Notes to Financial Statements

Indiana University Foundation

Notes to Financial Statements (In thousands)

Note 1. Organization and Operations and Significant Accounting Policies (Continued)

Contributions: Contributions, including unconditional promises to give, are recognized as revenue in the period received. Conditional promises to give are not recognized until the conditions upon which they depend are substantially met. Contributions of assets other than cash are recorded at their estimated fair value.

Grants: Private research grants are received from donors to support the University's research programs. Research grants are distributed in accordance with the grant by the account manager. Grants recorded as contributions are irrevocable, voluntary nonreciprocal transfers of assets held, administered and maintained for investment purposes at the Foundation.

Management/administrative fees: A fee is charged to accounts within each net asset class for which the Foundation manages investments and other assets. This management fee is charged based on the market value and type of investments and other assets managed. These fees are used for the administration of the Foundation's management and fundraising operations.

Other income: Unrestricted other income is comprised primarily of the following: reimbursements from the University for the cost of direct support of certain fundraising activities; receipts from various program operations, including real estate, air services, the Student Foundation, women's programs and other miscellaneous programs; and the change in the cash surrender value of life insurance policies. The income with donor restrictions is comprised primarily of amounts received from the University with donor related restrictions for activities and events and the change in the cash surrender value of life insurance policies.

Allocation between program and support functions: The financial statements report certain categories of expenses that are attributable to one or more program or supporting functions of the Foundation. Therefore, these expenses require allocation on a reasonable basis that is consistently applied. The expenses that are allocated include salaries and benefits, overhead and fundraising costs, which are allocated based on regularly recurring surveys of managers' time and effort.

Income taxes: The Foundation is a not-for-profit corporation and is exempt from federal income taxes under Section 501(c)(3) of the Internal Revenue Code (the Code), except for income taxes on unrelated business income that are not significant. Contributions to the Foundation are deductible under Section 170(b)(1)(A)(iv) of the Code.

Accounting Standards Codification (ASC) 740-10, *Accounting for Uncertainty in Income Taxes*, prescribes a comprehensive model for how an organization should measure, recognize, present and disclose in its financial statements uncertain tax positions that an organization has taken or expects to take on a tax return. The Foundation is subject to routine audits by taxing jurisdictions; however, there are currently no audits for any tax periods in progress. The Foundation believes it is no longer subject to income tax examinations for years prior to 2016. As of June 30, 2019 and 2018, the Foundation has no uncertain tax positions.

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 the reported amounts of assets and liabilities and of contingent assets and liabilities as of the date of the financial statements and the reported amounts of revenues and expenditures during the reporting period. Actual results could differ from those estimates.

Reclassification of prior year presentation: Certain prior year amounts have been reclassified on the statement of activities as of June 30, 2018, for consistency with the current year presentation. The reclassification had no effect on the reported change in net assets.



Note 18-Indiana University Foundation Notes to Financial Statements

Indiana University Foundation

Notes to Financial Statements (In thousands)

Note 1. Organization and Operations and Significant Accounting Policies (Continued)

Adopted accounting standard: The Foundation implemented the Financial Accounting Standards Board (FASB) Accounting Standards Update (ASU) 2016-14, *Not-for-Profit Entities (Topic 958): Presentation of Financial Statements of Not-for-Profit Entities* during the fiscal year ended June 30, 2019, applying the changes retrospectively. The new standard changes the following aspects of the financial statements:

- The unrestricted net asset class has been renamed net assets without donor restrictions.
- The temporarily and permanently restricted net asset classes have been combined and renamed net assets with donor restrictions.
- The financial statements include a disclosure about liquidity and availability of resources (Note 2).
- The financial statements include a disclosure of underwater endowments within net assets with donor restrictions (Note 8).
- The financial statements include a disclosure of board designated net assets without donor restrictions (Note 9).
- The financial statements include a disclosure of expenses by functional and natural classification (Note 12).

The changes have the following effect on net assets at June 30, 2018:

	As Originally Presented		After Adoption of ASU 2016-14	
Net asset class:				
Unrestricted net assets	\$ 84,897			
Temporarily restricted net assets	910,011			
Permanently restricted net assets	1,585,992			
Net assets without donor restrictions		\$	84,897	
Net assets with donor restrictions			2,496,003	
Total net assets	\$ 2,580,900	\$	2,580,900	

Recently issued accounting standards: In May 2014, the FASB issued ASU 2014-09, *Revenue from Contracts with Customers (Topic 606)*, requiring an entity to recognize the amount of revenue to which it expects to be entitled for the transfer of promised goods or services to customers. The updated standard will replace most existing revenue recognition guidance in U.S. GAAP when it becomes effective and permits the use of either a full retrospective or retrospective with cumulative effect transition method. In August 2015, the FASB issued ASU 2015-14, which defers the effective date of ASU 2014-09 one year, making it effective for the Foundation's June 30, 2020, financial statements. Earlier application is permitted only as of annual reporting periods beginning after December 15, 2016, including interim reporting periods within that period. The Foundation has not yet selected a transition method and is currently evaluating the impact of the adoption of the standard on its financial statements.

In January 2016, the FASB issued ASU 2016-01, *Financial Instruments—Overall (Subtopic 825-10): Recognition and Measurement of Financial Assets and Financial Liabilities*, which updates certain aspects of recognition, measurement, presentation and disclosure of financial instruments. The new standard is effective for fiscal years beginning after December 15, 2018, making it effective for the Foundation's June 30, 2020, financial statements. The Foundation is currently evaluating the impact of the adoption of this standard on its financial statements.



Note 18-Indiana University Foundation Notes to Financial Statements

Indiana University Foundation

Notes to Financial Statements (In thousands)

Note 1. Organization and Operations and Significant Accounting Policies (Continued)

In June 2018, the FASB issued ASU 2018-08, Not-for-Profit Entities (Topic 958): Clarifying the Scope and the Accounting Guidance for Contributions Received and Contributions Made. This ASU clarifies the guidance for evaluating whether a transaction is reciprocal (i.e., an exchange transaction) or nonreciprocal (i.e., a contribution) and for distinguishing between conditional and unconditional contributions. The ASU also clarifies the guidance used by entities other than not-for-profits to identify and account for contributions made. The ASU has different effective dates for resource recipients and resource providers. Additionally, the ASU provides for earlier effective dates for public business entities. As the Foundation is a resource recipient, the ASU is applicable to contributions received for fiscal years beginning after December 15, 2018, making it effective for the Foundation's June 30, 2020, financial statements. Early adoption is permitted. The Foundation is currently evaluating the impact of the adoption of this standard on its financial statements.

In 2018, the FASB issued ASU 2018-13, Fair Value Measurement (Topic 820): Disclosure Framework – Changes to the Disclosure Requirements for Fair Value Measurement. This ASU affects any entity that is required, under existing GAAP, to make disclosures about recurring or nonrecurring fair value measurements. The new standard is effective for fiscal years beginning after December 15, 2019, making it effective for the Foundation's June 30, 2021, financial statements. The Foundation is currently evaluating the impact of the adoption of this standard on its financial statements.

In February 2016, the FASB issued ASU 2016-02, *Leases (Topic 842)*, which supersedes the leasing guidance in Topic 840, *Leases*. Under the new guidance, lessees are required to recognize lease assets and lease liabilities on the statement of financial position for all leases with terms longer than 12 months. Leases will be classified as either finance or operating, with classification affecting the pattern of expense recognition in the statement of activities. The new standard is effective for the Foundation's June 30, 2021, financial statements. A modified retrospective transition approach is required for lessees for capital and operating leases existing at, or entered into after, the beginning of the earliest comparative period presented in the financial statements, with certain practical expedients available. The Foundation is currently evaluating the impact of the adoption of the standard on its financial statements.

Subsequent events: The Foundation has evaluated subsequent events for partial recognition and/or disclosure through September 30, 2019, the date the financial statements were available to be issued.

Note 2. Liquidity and Availability

The Foundation receives significant contributions with donor restrictions to be used in accordance with the associated purpose restrictions. It also receives gifts to establish endowments that will exist in perpetuity; the income generated from such endowments is used to fund the purpose for which the donor established the endowment. In addition, the Foundation receives support without donor restrictions.

The Foundation considers investment income without donor restrictions, appropriated earnings from donor-restricted and board-designated endowments, contributions without donor restrictions, and contributions with donor restrictions for use in current programs which are ongoing, major, and central to its annual operations to be available to meet cash needs for general expenditures. General expenditures include management and general expenses, fundraising expenses, and grants and aid to the University expected to be paid in the subsequent year. Annual operations are defined as activities occurring during the Foundation's fiscal year. In addition, the Foundation invests cash in excess of daily requirements in short-term investments.



Note 18-Indiana University Foundation Notes to Financial Statements

Indiana University Foundation

Notes to Financial Statements (In thousands)

Note 2. Liquidity and Availability (Continued)

The Foundation manages its cash available to meet general expenditures following three guiding principles:

- Operating within a prudent range of financial soundness and stability,
- · Maintaining adequate liquid assets, and
- Maintaining sufficient reserves to provide reasonable assurance that expenditures to or for the benefit of the University and to support mission fulfillment will continue to be met, ensuring the sustainability of the Foundation.

The table below presents financial assets available for general expenditures within one year at June 30, 2019:

Net assets at year end	\$	3,215,936
Less non-financial assets:		
Property, plant and equipment, net		(58,327)
		3,157,609
Less amounts not available to be used within one year:		
Investments encumbered by donor restriction		(1,641,005)
Assets designated by the Board		(57,512)
Annual spending policy distribution for encumbered investments		69,663
Investments held for the University and University affiliates		(283,123)
Collateral under security lending agreements		(98,251)
Promises to give for donor restricted gifts or due after one year, net		(246,899)
Receivables and other assets due after one year		(13,490)
Other restricted cash and investments		(9,217)
Financial assets not available to be used within one year		(2,279,834)
Financial assets available to meet general expenditures within one year	Ф	877,775
Financial assets available to meet general expenditures within one year	φ	011,110

Note 3. Promises to Give

A summary of promises to give as of June 30, 2019 and 2018, follows:

		2019		2018	
Promises to give	\$	323,308	\$	294,697	
Allowance	Ψ	(24,195)	Ψ	(23,060)	
Discount		(47,406)		(43,395)	
	\$	251,707	\$	228,242	



Indiana University Foundation

Notes to Financial Statements (In thousands)

Note 3. Promises to Give (Continued)

Promises to give are due in the following periods:

	2019	2018
Promises to give, due in:		
One year or less	\$ 17,799	\$ 9,892
Between one year and five years	126,121	119,518
More than five years	107,787	98,832
	\$ 251,707	\$ 228,242

Discount rates used to present value promises to give range between 1.2 percent and 6.0 percent.

Note 4. Fair Value Measurement and Investments

Fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. The Foundation utilizes valuation techniques to maximize the use of observable inputs and minimize the use of unobservable inputs. Inputs are broadly defined as assumptions market participants would use in pricing an asset or liability. Assets and liabilities recorded at fair value are categorized within the fair value hierarchy based upon the level of judgment associated with the inputs used to measure their value. The fair value hierarchy gives the highest priority to quoted prices in active markets for identical assets or liabilities (Level 1) and the lowest priority to unobservable inputs (Level 3). The three levels of the fair value hierarchy are described below.

Level 1 Unadjusted quoted prices in active markets for identical assets or liabilities that the Foundation has the ability to access at the measurement date.

Level 2 Inputs other than quoted prices within Level 1 that are observable for the asset or liability, either directly or indirectly, and fair value is determined through the use of models or other valuation methodologies. A significant adjustment to a Level 2 input could result in the Level 2 measurement becoming a Level 3 measurement.

Level 3 Inputs are unobservable for the asset or liability and include situations where there is little, if any, market activity for the asset or liability. The inputs into the determination of fair value are based upon the best information in the circumstances and may require significant management judgment or estimation.

In certain cases, the inputs used to measure fair value may fall into different levels of the fair value hierarchy. In such cases, for disclosure purposes, the level in the fair value hierarchy within which the fair value measurement falls in its entirety is determined by the lowest level input that is significant to the fair value measurement.



Note 18-Indiana University Foundation Notes to Financial Statements

Indiana University Foundation

Notes to Financial Statements (In thousands)

Note 4. Fair Value Measurement and Investments (Continued)

The availability of observable inputs can vary from investment to investment and is affected by a wide variety of factors, including the type of investment, whether the investment is new and not yet established in the marketplace, the liquidity of markets, and other characteristics particular to the transaction. To the extent that valuation is based on models or inputs that are less observable or unobservable in the market, the determination of fair value requires more judgment. Those estimated values do not necessarily represent the amounts that may be ultimately realized due to future circumstances that cannot be reasonably determined. Because of the inherent uncertainty of valuation, those estimated values might be materially higher or lower than the values that would have been used had a readily available market for the securities existed. Accordingly, the degree of judgment exercised by the Foundation in determining fair value is greatest for securities categorized in Level 3.

The inputs or methodology used for valuing financial instruments are not necessarily an indication of the risks associated with investing in those instruments.

The Foundation assesses the levels of the investments at each measurement date, and transfers between levels are recognized on the actual date of the event or change in circumstances that caused the transfer in accordance with the Foundation's accounting policies regarding the recognition of transfers between levels of the fair value hierarchy. During the fiscal years ended June 30, 2019 and 2018, no such transfers were made.

Investments in money market funds, mutual funds, exchange-traded funds, and securities traded on a national securities exchange, or reported on the NASDAQ national market, are stated at the last reported sales price on the day of valuation. These financial instruments are classified as Level 1 in the fair value hierarchy.

Preferred stock and other equities traded on inactive markets or valued by reference to similar instruments are categorized as Level 2 in the fair value hierarchy. Investments in government securities, bonds, corporate notes and debt securities which are traded on a national securities exchange or market are valued at the mean between the current "bid" and "asked" quotations on that day. If a reliable bid and asked quotation cannot be obtained from a national securities exchange, the security is priced at the mean between the bid and asked quotation of a reliable market maker. These financial instruments are classified as Level 2 in the fair value hierarchy.

Investments in real estate are valued by the Foundation using independent appraisals and statements provided by the management companies of the properties. These financial instruments are classified as Level 3 in the fair value hierarchy.

Net asset value (NAV): Investments in non-registered investment companies consisting of certain hedged equity funds, absolute return funds, venture capital funds, buyout funds, distressed, special situation funds, real estate funds, alternative fixed income funds and natural resource funds are valued at fair value based on the applicable percentage ownership of the underlying investment entities' net assets as of the measurement date as determined by the Foundation, commonly referred to as the practical expedient. In determining fair value, the Foundation utilizes valuations provided by the underlying investment entities. The underlying investment entities value securities and other financial instruments on a fair value based upon market price, when possible, or at fair value determined by the respective entities' investment manager when no market price is determinable. Although the Foundation uses their best judgment in estimating the fair value of alternative investments, there are inherent limitations in any estimation technique. The estimated fair values of certain of the investments of the underlying investment entities, which may include derivatives, securities and other designated or side pocketed investments for which prices are not readily available, may not reflect amounts that could be realized upon immediate sale, nor amounts that may be ultimately realized.



Indiana University Foundation

Notes to Financial Statements (In thousands)

Note 4. Fair Value Measurement and Investments (Continued)

Accordingly, the estimated fair values may differ significantly from the values that would have been used had a ready market existed for these investments, and differences could be material.

The practical expedient allows for investments in non-registered investment companies, to be valued at the NAV which represents fair value.

Charitable trusts and gift annuities: Assets received from charitable trusts and gift annuities are recorded at fair value based on donor restriction until the Foundation's obligations to the annuitants have been met. The difference between the fair value of assets contributed and the split interest obligations recorded is recognized as contribution revenue. The Foundation records a split interest agreement obligation to life beneficiaries based on the present value of the estimated payments to designated life beneficiaries.

Liabilities for charitable gift annuities are recorded in an amount equal to the present value of the estimated future obligations based on mortality rates derived from ordinary life annuity tables. In computing the liability, management considers the estimated return on the invested assets and the contractual payment obligation during the expected term of each respective annuity agreement. Fair value estimates are classified as Level 3.

The following table presents the Foundation's fair value hierarchy for those assets and liabilities measured at fair value on a recurring basis as of June 30, 2019:

	fc	oted Prices or Identical Assets in Active Markets Level 1	Ok	ignificant Other oservable Inputs Level 2	Und	ignificant observable Inputs Level 3	1	ılued Using Net Asset Value **		Total
Assets:										
Investments:	_		_						_	
Domestic equities	\$	549,839	\$	409	\$	-	\$	81,190	\$	631,438
International equities		302,823		-		-		162,278		465,101
Domestic fixed income		126,486		78,548		-		73,581		278,615
International fixed income		22,718		539				6,321		29,578
Real estate		9,866		- 		25,045		-		34,911
Cash equivalents		28,896		1,610		-		-		30,506
Alternative investments:		-		-		-		-		-
Hedged equity funds		-		-		-		58,074		58,074
Absolute return funds		-		-		-		345,840		345,840
Venture capital		-		-		-		216,754		216,754
Buyouts		-		-		-		184,577		184,577
Distressed / special situations		-		-		-		55,726		55,726
Real estate		-		-		-		144,137		144,137
Alternative fixed income		-		-		-		46,942		46,942
Natural resources		-		-		-		155,325		155,325
	\$	1,040,628	\$	81,106	\$	25,045	\$	1,530,745	\$ 2	2,677,524
Liabilities:										
Split interest										
agreement obligations	\$	-	\$	-	\$	42,633	\$	-	\$	42,633



Note 18-Indiana University Foundation Notes to Financial Statements

Indiana University Foundation

Notes to Financial Statements (In thousands)

Note 4. Fair Value Measurement and Investments (Continued)

The following table presents the Foundation's fair value hierarchy for those assets and liabilities measured at fair value on a recurring basis as of June 30, 2018:

	Quoted Prices for Identical Assets in Active Markets Level 1				Significant Unobservable Inputs Level 3		Valued Using Net Asset Value **			Total
Assets:										
Investments:										
Domestic equities	\$	534,125	\$	10,918	\$	-	\$	73,384	\$	618,427
International equities		305,543		-		-		137,511		443,054
Domestic fixed income		104,339		151,050		-		71,307		326,696
International fixed income		12,001		14,107		-		5,569		31,677
Real estate		8,369		-		24,109		-		32,478
Cash equivalents		26,933		1,800		-		-		28,733
Alternative investments:										
Hedged equity funds		-		-		-		83,263		83,263
Absolute return funds		-		-		-		339,546		339,546
Venture capital		-		-		-		174,310		174,310
Buyouts		-		-		-		148,523		148,523
Distressed / special situations		-		-		-		38,293		38,293
Real estate		-		-		-		113,522		113,522
Alternative fixed income		-		-		-		46,867		46,867
Natural resources		_		-		-		133,041		133,041
	\$	991,310	\$	177,875	\$	24,109	\$ ^	1,365,136	\$ 2	2,558,430
Liabilities:										
Split interest										
agreement obligations	\$	-	\$	-	\$	38,754	\$	-	\$	38,754

^{**} Certain investments that are measured at fair value using the NAV per share (or its equivalent) practical expedient have not been categorized in the fair value hierarchy. The fair value amounts presented in the tables above are intended to permit reconciliation of the fair value hierarchy to the amounts presented in the statements of financial position.

As of June 30, 2019 and 2018, the Foundation had \$715,992 and \$609,631, respectively, of unfunded capital commitments to various alternative investments, which have no specific capital call dates and such capital calls are at the discretion of the alternative investment fund managers. Management believes most of the commitments will be called in the next one to five years.



Indiana University Foundation

Notes to Financial Statements (In thousands)

Note 4. Fair Value Measurement and Investments (Continued)

Financial instruments classified as Level 3 in the fair value hierarchy represent the Foundation's investments in financial instruments in which at least one significant unobservable input is used in the valuation model. The tables below present a reconciliation of activity for the Level 3 financial instruments as of June 30, 2019 and 2018:

		2019		2010
Designation belongs (real setate)	ф	04.400	Φ	10.005
Beginning balance (real estate)	\$	24,109	\$	19,005
Realized and unrealized gains (losses)		(377)		(1,659)
Purchases		6,273		7,984
Sales and settlements		(4,960)		(1,221)
	\$	25,045	\$	24,109

2010

2010

The following presents a reconciliation for the changes in the Foundation's liability for charitable remainder and annuity trusts, which is deemed a Level 3 liability:

	2019			2018
Beginning balance	\$	38,754	\$	34,766
Liability portion of charitable gifts received		4,965		1,840
Payments to annuitants		(4,261)		(4,312)
Change in the present value of split interest obligations		3,175		6,460
	\$	42,633	\$	38,754

The table below presents the Foundation's ability to redeem investments valued at net asset value or its equivalent as of June 30, 2019 and 2018, and includes the underlying investment entities' redemption frequency and redemption notice period. The table also includes a summary of the significant categories of such investments measured at net asset value, their attributes and investment strategies as of June 30, 2019 and 2018:

Investment Category and Strategy	2019 2019 Fair Unfunded Value Commitments		Category and Fair Unfunded		Unfunded		Unfunded		Unfunded		air Unfunded		2018 Fair Value	Redemption Frequency (If Currently Eligible)	Redemption Notice Period
Domestic equities ^(a)	\$	81,190	\$	_	\$ 73,384	quarterly, annually	30-60 days								
International equities(b)		162,278		-	137,511	weekly, monthly	7-30 days								
Domestic fixed income ^(c)		73,581		-	71,307	monthly, bimonthly, quarterly	30-45 days								
International fixed income ^(d)		6,321		-	5,569	monthly, bimonthly, quarterly	30-45 days								
Hedge equity funds ^(e)		58,074		-	83,263	monthly, quarterly, **** semi-annually, annually	3-95 days								
Absolute return funds ^(f)		345,840		-	339,546	monthly, quarterly, **** semi-annually, annually	3-95 days								
Venture capital funds ^(g)		216,754		95,267	174,310	Long-term commitment ***	none								
Buyout funds ^(h)		184,577		270,192	148,523	Long-term commitment ***	none								
Distressed/special situation funds ⁽ⁱ⁾		55,726		97,861	38,293	Long-term commitment ***	none								
Real estate funds ^(j)		144,137		127,287	113,522	Long-term commitment ***	none								
Alternative fixed income ^(k)		46,942		16,713	46,867	Long-term commitment ***	none								
Natural resources funds ^(I)		155,325		108,672	133,041	Long-term commitment ***	none								
	\$	1,530,745	\$	715,992	\$ 1,365,136	• <u>•</u>									



Note 18-Indiana University Foundation Notes to Financial Statements

Indiana University Foundation

Notes to Financial Statements (In thousands)

Note 4. Fair Value Measurement and Investments (Continued)

*** The nature of this investment class is that distributions are received through liquidations of the underlying assets of the underlying investment fund and expected to occur over the remaining life (ranging from one to ten years). These underlying funds generally hold investments that are illiquid in the short term but are expected to be liquid over the long run. Distributions from these underlying funds are at the discretion of the underlying fund manager.

**** As of June 30, 2019, 60 percent of the total Marketable Alternative Investments (Hedged equity funds and Absolute return funds) could be redeemed in 0-6 months, an additional 29 percent could be redeemed between 7-12 months and 5 percent could be redeemed between 13-24 months. The remaining 6 percent is designated as illiquid investments.

- (a) This category includes investments held in mutual funds, exchange-traded funds, public equities, partnerships, and limited liability companies located in the United States.
- This category includes investments held in mutual funds, exchange-traded funds, partnerships, and limited liability companies located in economies outside of the United States.
- (c) This category includes investments that are primarily in both long-term and short-term fixed income securities located in the United States. Management of the investments has the ability to make individual short positions; however, the overall fund position is net long. There were no restricted investments as of June 30, 2019.
- This category includes investments that are primarily in both long-term and short-term fixed income securities located in economies outside of the United States. Management of the investments has the ability to make individual short positions; however, the overall fund position is net long. There were no restricted investments as of June 30, 2019.
- (e) This category includes investments in hedge funds that invest globally in both long and short common stocks across all market capitalizations. Management of the hedge funds may opportunistically shift investments across sectors, geographies, and net market exposures.
- This category includes investments in hedge funds that invest opportunistically across various strategies, including long/short equity, fixed income, distressed credit, merger arbitrage, convertible arbitrage, etc.
- This category includes investments that are primarily in early-stage companies in the technology and life science sectors. The nature of investments in this category is that money is distributed as underlying companies are exited via acquisition or Initial Public Offering (IPO). The typical life of a partnership is 10 years but is subject to extensions.
- This category includes private equity funds that invest across sectors primarily in the United States, but also internationally. The nature of investments in this category is that money is distributed as underlying companies are recapitalized or exited via acquisition or IPO. The typical life of a partnership is 10 years but is subject to extensions.
- This category includes investments that are focused on distressed or secondary investments. The typical life of a partnership is 10 years but is subject to extensions.
- This category includes investments that are primarily in U.S. commercial real estate, but also includes real estate funds focused on Europe and Asia. The real estate exposure can include both publicly traded Real Estate Investment Trust funds and private partnerships. The typical life of a partnership is 10 years but is subject to extensions.
- This category includes investments that are focused primarily on direct lending across the corporate and real estate sectors. The investments are structured to provide a steady stream of income to the Foundation based on floating interest rate loans. The typical life of a partnership is five years but is subject to extensions.
- This category includes investments that are focused on private energy, mining and minerals, and timber. The typical life of a partnership is 10 years but is subject to extensions. Certain funds in this category may provide an income stream as the underlying commodity is harvested/sold.



Indiana University Foundation

Notes to Financial Statements (In thousands)

Note 4. Fair Value Measurement and Investments (Continued)

In instances in which an underlying investment fund has invested in securities that have less liquidity, such investments may be held in a "side pocket." Generally side pockets are illiquid with no active market. The fair value of the Foundation's investment in underlying funds which are designated as side pocketed was \$21,407 and \$12,247 as of June 30, 2019 and 2018, respectively.

The following table summarizes the qualitative information about certain of the Foundation's Level 3 inputs as of June 30, 2019 and 2018:

	Fa	air Value	Valuation Techniques	Unobservable Inputs	Ranges
Real estate investments, 2019	\$	25,045	Market approach	Comparable transactions	N/A
Real estate investments, 2018	\$	24,109	Market approach	Comparable transactions	N/A

Note 5. Securities Lending

The Foundation has a securities lending agreement and guaranty agreement with The Bank of New York Mellon Corporation (BNY). BNY may lend, up to \$110,000 of the stocks and bonds for which it holds as custodian, to borrowers under terms of participation in a securities lending program and acts as agent and administrator for the program. The securities lending agreement requires that loans are collateralized at all times in an amount equal to at least 102 percent of the market value of any loaned securities at the time of the loan, plus accrued interest.

The Foundation receives compensation in the form of fees and earns interest on the cash collateral. The amount of fees depends on a number of factors including the type of security and length of the loan. The Foundation continues to receive interest payments or dividends on the securities loaned during the borrowing period. The Foundation has the right under the terms of the securities lending agreement to recall the securities from the borrower on demand.

As of June 30, 2019 and 2018, the Foundation had loaned securities that were collateralized by cash equivalents and short duration fixed income instruments. The cash collateral is invested by BNY in accordance with approved investment guidelines. Those guidelines require the cash collateral to be invested in readily marketable, high-quality, short-term obligations; however, such investments are subject to risk of payment delays or default on the part of the issuer or counterparty or otherwise may not generate sufficient interest to support the costs associated with securities lending. The Foundation could also experience delays in recovering its securities and possible loss of income or value if the borrower fails to return the borrowed securities, although the Foundation is indemnified from this risk by contract with the securities lending agent. As of June 30, 2019 and 2018, the market value of the securities on loan and payable on collateral due to broker totaled \$98,251 and \$90,182, respectively.

The Foundation receives cash as collateral in return for securities lent as part of the securities lending program. The collateral is invested in the Collateral Portfolio (a securities lending trust subject to Rule 2a-7 under the 1940 Act). The schedules of investments for the Foundation include the particular cash collateral holdings as of June 30, 2019 and 2018. The interest income earned by the Foundation on investments of cash collateral received from borrowers for the securities loaned to them ("securities lending income") is reflected in the Foundation's statements of activities. Interest income earned on collateral investments and recognized by the Foundation during the years ended June 30, 2019 and 2018, was \$178 and \$224, respectively.



Note 18-Indiana University Foundation Notes to Financial Statements

Indiana University Foundation

Notes to Financial Statements (In thousands)

Note 5. Securities Lending (Continued)

The table below outlines the gross obligations for secured borrowings by the type of collateral pledged at June 30:

	 2019			
Cash collateral:			_	
U.S. equities	\$ 70,467	\$	70,096	
U.S. corporate	-		5,629	
U.S. government	-		939	
Non-U.S. equities	838		1,645	
Non-cash collateral:				
U.S. equities	26,156		10,898	
U.S. corporate	-		31	
Non-U.S. equities	 790		944	
	\$ 98,251	\$	90,182	

Note 6. Split Interest Agreements

A summary of assets held and the obligations related to split interest agreements as of June 30, 2019 and 2018, follows:

		2018	
Assets (included in investments):			
Charitable remainder trusts and other	\$	33,880	\$ 32,451
Charitable gift annuities		41,314	37,290
	\$	75,194	\$ 69,741
Liabilities - split interest agreement obligations	\$	42,633	\$ 38,754

Charitable gift annuity assets are separate and distinct funds, managed as independent accounts of the Foundation. The Foundation maintains reserves and a surplus of such reserves in an amount at least equal to the designated beneficiary payments on all the outstanding gift annuity contracts. These reserves shall not be applied for the payment of debts and obligations of the Foundation or for any purpose other than payment of the annuity benefits.

Note 7. Property, Plant and Equipment

A summary of property, plant and equipment as of June 30, 2019 and 2018, follows:

2019			2018
\$	84,854	\$	86,840
	2,558		2,579
	2,828		2,816
	90,240		92,235
	(31,913)		(29,989)
\$	58,327	\$	62,246
	\$	\$ 84,854 2,558 2,828 90,240 (31,913)	\$ 84,854 \$ 2,558 2,828 90,240 (31,913)



Indiana University Foundation

Notes to Financial Statements (In thousands)

Note 8. Endowments

The Foundation's endowment consists of both donor-restricted endowment funds and funds designated by the board to function as endowments and consists of 6,645 and 6,329 individual funds as of June 30, 2019 and 2018, respectively. Net assets associated with endowment funds, including funds designated by the board to function as endowments, are classified and reported based on the existence or absence of donor-imposed restrictions.

The board has interpreted the State of Indiana's *Uniform Prudent Management of Institutional Funds Act* (UPMIFA) as requiring the preservation of the fair value of the original gift as of the gift date of the donor-restricted endowment funds and providing for intergenerational equity. This value includes the original gift value of the assets held in perpetuity, the original value of subsequent gifts to the permanent endowment, and accumulations to the permanent endowment made in accordance with the direction of the applicable donor gift instrument at the time the accumulation is added to the fund, absent explicit donor stipulations to the contrary. The remaining portion of the donor-restricted endowment funds are classified as net assets with donor restrictions until donor stipulations are fulfilled and those amounts are appropriated for expenditure by the Foundation in a manner consistent with the standard of prudence prescribed by UPMIFA.

In accordance with UPMIFA, the Foundation considers the following factors in making a determination to appropriate or accumulate endowment funds:

- The duration and preservation of the fund
- The purpose of the Foundation and the donor-restricted endowment fund
- General economic conditions
- The possible effect of inflation and deflation
- The expected total return from income and the appreciation of investments
- Other resources of the Foundation
- The investment policies of the Foundation

The following tables present the Foundation's endowment composition, changes and net asset classifications as of and for the years ended June 30, 2019 and 2018:

	2019
	Without Donor With Donor
	Restrictions Restrictions Total
Donor-restricted endowment funds	\$ - \$ 2,195,787 \$ 2,195,787
Board-designated endowment	36,748 - 36,748
	\$ 36,748 \$ 2,195,787 \$ 2,232,535
	2018
	Without Donor With Donor
	Restrictions Restrictions Total
Donor-restricted endowment funds	\$ - \$ 2,116,176 \$ 2,116,176
Board-designated endowment	35,340 - 35,340
	\$ 35,340 \$ 2,116,176 \$ 2,151,516



Note 18-Indiana University Foundation Notes to Financial Statements

Indiana University Foundation

Notes to Financial Statements (In thousands)

Note 8. Endowments (Continued)

	2019						
	Without Donor			With Donor			
	Re	estrictions	F	Restrictions		Total	
						_	
Beginning of the year	\$	35,340	\$	2,116,176	\$	2,151,516	
Investment income		2,269		88,907		91,176	
Contributions and other revenue		851		95,446		96,297	
Appropriation of endowment assets							
for expenditure		(1,712)		(104,742)		(106,454)	
	\$	36,748	\$	2,195,787	\$	2,232,535	
				2018			
	With	nout Donor	/	With Donor		_	
	Re	estrictions	F	Restrictions		Total	
Beginning of the year	\$	29,114	\$	1,956,146	\$	1,985,260	
Investment income		2,981		137,064		140,045	
Contributions and other revenue		6,896		125,964		132,860	
Appropriation of endowment assets							
for expenditure		(3,651)		(102,998)		(106,649)	
	\$	35,340	\$	2,116,176	\$	2,151,516	

Net assets include nonexpendable and expendable assets related to donor gifts and assets held in perpetuity or held in trust with explicit time and/or purpose restrictions. These can be held either for the benefit of the Foundation or for the benefit of the University.

Return objectives and risk parameters: The primary investment objective of the Foundation's asset management program is to achieve an annualized total return (net of fees and expenses) equal to or greater than the rate of inflation, in order to maintain the purchasing power of those assets. The assets are managed in a manner that will not only meet the primary investment objective, but also seek growth above the objective and attempt to limit volatility for year-to-year spending.

The Foundation has adopted endowment investment and spending policies that attempt to provide a predictable stream of funding to programs supported by its endowment while seeking to maintain the purchasing power of endowment assets. Under this policy endowment assets are invested in a manner that is intended to yield a long-term rate of return that exceeds the sum of the distribution rate, inflation and administrative fees of the endowment, while assuming a prudent level of investment risk. Actual results may not be sufficient to achieve this over some shorter time frames.



Indiana University Foundation

Notes to Financial Statements (In thousands)

Note 8. Endowments (Continued)

Strategies employed for achieving investment objectives: To achieve its long-term rate of return objectives, the Foundation relies on a total return strategy in which investment returns are achieved through both capital appreciation (realized and unrealized gains) and current yield (interest and dividends). The Foundation targets a diversified asset allocation that places greater emphasis on equity-based investments to achieve its long-term objectives within prudent risk constraints. Endowment assets will be invested in the Foundation's Pooled Long-Term Fund. Operating funds will typically be invested in the Pooled Short-Term Fund. An additional option is the Pooled Intermediate-Term Fund, which will fill a need for those operating funds that are due to be spent six months to two years from the time the cash is received. The Foundation's Investment Committee understands the long-term nature of the endowment assets and believes that investing in assets with higher return expectations outweighs their short-term volatility risk. As a result, the majority of assets will be invested in equity or equity-like securities, including real assets (real estate and natural resources). Real assets provide the added benefit of inflation protection. Fixed income and absolute return strategies will be used to lower short-term volatility and provide stability, especially during periods of deflation and negative equity markets. Cash is not a strategic asset of the Pooled Long-Term Fund, but is a residual to the investment process and used to meet the short-term liquidity needs.

Relationship of spending policy to investment objectives: The Foundation determines the method to be used to make endowment distributions to the University. In establishing a method, the Foundation considers the expected long-term rate of return on the investment of the Foundation's endowment funds. Over the long term, the Foundation expects the spending policy to allow the endowment to grow at a sufficient rate to maintain the purchasing power of the endowment assets over time, sometimes referred to as intergenerational equity, as well as to provide additional real growth through new gifts. Effective July 1, 2011, the Foundation determined that distributions will continue to be based upon a 12-quarter rolling average of the market value of the Pooled Long-Term Fund, but constrained by inflation bands that will limit the distributions to fall within two times inflation on the growth side and one times inflation on the down side, based on what was distributed in the previous year. The inflation factor is calculated as a rolling five-year average of the Consumer Price Index. Additionally, the distribution rate is 4.5 percent in fiscal year 2018-2019. The expectation is that these inflation bands will prevent distributions from fluctuating widely. Depending upon market conditions and the needs and available resources of the Foundation, appropriations for expenditure from individual endowments may be temporarily suspended to facilitate preservation of the endowment.

Underwater endowments: From time to time, the fair value of assets associated with individual donor-restricted endowment funds may fall below the level that the donor originally contributed. At June 30, 2019 and 2018, there were 631 and 671 accounts of \$220,782 and \$228,775 with a current fair value of \$207,493 and \$215,229, respectively. The total underwater amount of \$13,289 and \$13,546 as of June 30, 2019 and 2018, respectively, resulted from unfavorable market fluctuations that occurred shortly after the investment of new contributions of donor-restricted endowment funds and continued appropriation for their related programs, which have been deemed prudent by the Board.



Note 18-Indiana University Foundation Notes to Financial Statements

Indiana University Foundation

Notes to Financial Statements (In thousands)

Note 9. Board Designated Net Assets

The Indiana University Foundation's board of directors has designated from net assets without donor restrictions, \$57,512 and \$52,345, as of June 30, 2019 and 2018, respectively, net assets for the following purposes:

	 2019	2018
Quasi-endowments:		
Foundation	\$ 31,586	\$ 30,087
University	5,162	5,253
Reserves and encumbrances	20,764	17,005
	\$ 57,512	\$ 52,345

Note 10. Net Assets with Donor Restrictions

The income generated from restricted net assets is used in accordance with the donors' time and/or purpose restrictions. Foundation operations' and University programs' donor restricted assets listed in the following table include \$1,660,584 and \$1,585,992 of donor restricted assets held in perpetuity for the years ended June 30, 2019 and 2018, respectively. A summary of net assets with donor restrictions and the nature of the related donor-imposed restrictions as of June 30 are as follows:

	2019	2018
Foundation operations	\$ 32,622	\$ 30,550
University programs:		
Awards	39,451	35,008
Capital and capital		
improvements	136,212	136,821
Fellowships / lectureships	150,027	136,857
General endowments	652,524	624,533
Medical practice plans	35,371	34,565
Operations	91,808	79,855
Professorships / chairs	603,499	579,705
Research	107,933	106,282
Scholarships	 762,607	731,827
	\$ 2,612,054	\$ 2,496,003

Note 11. Retirement Plan

The Foundation maintains the Indiana University Foundation Section 403(b) Annuity Plan (the Plan), a defined contribution retirement plan available to all eligible employees. The Foundation Investment Retirement Committee administers the operation of the Plan. Benefits to retired participants are based on the value of the individual retirement account at the date of retirement. The total contribution is 10 percent of the participant's annual salary up to the social security wage base and 15 percent on annual salary in excess of the social security wage base. The Foundation's policy is to fund retirement costs related to the Plan as incurred. Retirement expense related to this plan amounted to \$2,145 and \$2,097 for the years ended June 30, 2019 and 2018, respectively.



Indiana University Foundation

Notes to Financial Statements (In thousands)

Note 12. **Functional Classification of Expenditures**

Program expenditures include support for Foundation and University programs. For the years ended June 30, 2019 and 2018, a summary of these expenditures is as follows:

		Grants and Aid to the	M	anagement and				
2019		University		General	Fu	ındraising		Total
University activities:		Offiversity		Octional	1 0	indiaising		Total
University support	\$	37,568	\$	_	\$	_	\$	37,568
Student scholarships and financial aid	Ψ	53,144	Ψ	_	Ψ	_	Ψ	53,144
Land, building and equipment purchases		38,581		_		-		38,581
Faculty support		36,396		_		-		36,396
Faculty research		5,055		-		-		5,055
Foundation activities:		5,055		=		-		5,055
		070		0.505		45.000		04.744
Salaries and benefits		976		8,505		15,230		24,711
Depreciation		2,272		265		473		3,010
Insurance		156		212		329		697
Interest		278		-		-		278
Maintenance		1,213		648		564		2,425
Miscellaneous		524		124		221		869
Office expenses		18		310		850		1,178
Professional fees		168		969		741		1,878
Technology		17		552		981		1,550
Training and recruitment		-		200		114		314
Travel and representation		1,571		746		1,382		3,699
Utilities		8		267		5		280
Bad debts		-		10,449		-		10,449
	Φ.	477.045	\$	23,247	\$	20,890	\$	222,082
	\$	177,945	Ф	23,241	Ψ	20,030	Ψ	222,002
	<u>\$</u>	177,945	Ф	23,247	Ψ	20,090	Ψ	222,002
		Grants and		anagement	Ψ	20,090	Ψ	222,002
	(Grants and Aid to the	-	anagement and	•	·	Ψ	·
2018	(Grants and	-	anagement	•	ındraising	Ψ	Total
University activities:	(Grants and Aid to the University	M	anagement and	Fu	·	•	Total
University activities: University support	(Grants and Aid to the University 51,965	-	anagement and	•	·	\$	Total 51,965
University activities: University support Student scholarships and financial aid	(Grants and Aid to the University 51,965 52,057	M	anagement and	Fu	·	•	Total 51,965 52,057
University activities: University support Student scholarships and financial aid Land, building and equipment purchases	(Grants and Aid to the University 51,965 52,057 41,224	M	anagement and	Fu	·	•	Total 51,965 52,057 41,224
University activities: University support Student scholarships and financial aid Land, building and equipment purchases Faculty support	(Grants and Aid to the University 51,965 52,057 41,224 32,423	M	anagement and	Fu	·	•	Total 51,965 52,057 41,224 32,423
University activities: University support Student scholarships and financial aid Land, building and equipment purchases Faculty support Faculty research	(Grants and Aid to the University 51,965 52,057 41,224	M	anagement and	Fu	·	•	Total 51,965 52,057 41,224
University activities: University support Student scholarships and financial aid Land, building and equipment purchases Faculty support Faculty research Foundation activities:	(51,965 52,057 41,224 32,423 43,531	M	anagement and General - - - -	Fu	indraising - - - - -	•	Total 51,965 52,057 41,224 32,423 43,531
University activities: University support Student scholarships and financial aid Land, building and equipment purchases Faculty support Faculty research Foundation activities: Salaries and benefits	(51,965 52,057 41,224 32,423 43,531	M	anagement and General - - - - - - - - - -	Fu		•	Total 51,965 52,057 41,224 32,423 43,531 22,978
University activities: University support Student scholarships and financial aid Land, building and equipment purchases Faculty support Faculty research Foundation activities: Salaries and benefits Depreciation	(51,965 52,057 41,224 32,423 43,531 908 2,193	M	anagement and General - - - - - - 7,909 95	Fu		•	Total 51,965 52,057 41,224 32,423 43,531 22,978 3,144
University activities: University support Student scholarships and financial aid Land, building and equipment purchases Faculty support Faculty research Foundation activities: Salaries and benefits Depreciation Insurance	(51,965 52,057 41,224 32,423 43,531 908 2,193 178	M	anagement and General - - - - - - - - - - - - - 1 - - 1 - - 1 - - - - - - - - - - - - - - - - - - - -	Fu		•	Total 51,965 52,057 41,224 32,423 43,531 22,978 3,144 726
University activities: University support Student scholarships and financial aid Land, building and equipment purchases Faculty support Faculty research Foundation activities: Salaries and benefits Depreciation Insurance Interest	(51,965 52,057 41,224 32,423 43,531 908 2,193 178 188	M	anagement and General - - - - 7,909 95 132	Fu	14,161 856 416	•	Total 51,965 52,057 41,224 32,423 43,531 22,978 3,144 726 188
University activities: University support Student scholarships and financial aid Land, building and equipment purchases Faculty support Faculty research Foundation activities: Salaries and benefits Depreciation Insurance Interest Maintenance	(51,965 52,057 41,224 32,423 43,531 908 2,193 178 188 1,113	M	anagement and General - - - - - 7,909 95 132 - 289	Fu	14,161 856 416 - 736	•	Total 51,965 52,057 41,224 32,423 43,531 22,978 3,144 726 188 2,138
University activities: University support Student scholarships and financial aid Land, building and equipment purchases Faculty support Faculty research Foundation activities: Salaries and benefits Depreciation Insurance Interest Maintenance Miscellaneous	(51,965 52,057 41,224 32,423 43,531 908 2,193 178 188 1,113 115	M	anagement and General - - - - 7,909 95 132 - 289	Fu	14,161 856 416 - 736	•	Total 51,965 52,057 41,224 32,423 43,531 22,978 3,144 726 188 2,138 115
University activities: University support Student scholarships and financial aid Land, building and equipment purchases Faculty support Faculty research Foundation activities: Salaries and benefits Depreciation Insurance Interest Maintenance Miscellaneous Office expenses	(51,965 52,057 41,224 32,423 43,531 908 2,193 178 188 1,113 115 22	M	anagement and General - - - - 7,909 95 132 - 289 - 371	Fu	14,161 856 416 - 736 - 931	•	Total 51,965 52,057 41,224 32,423 43,531 22,978 3,144 726 188 2,138 115 1,324
University activities: University support Student scholarships and financial aid Land, building and equipment purchases Faculty support Faculty research Foundation activities: Salaries and benefits Depreciation Insurance Interest Maintenance Miscellaneous Office expenses Professional fees	(Srants and Aid to the University 51,965 52,057 41,224 32,423 43,531 908 2,193 178 188 1,113 115 22 263	M	anagement and General - - - - 7,909 95 132 - 289 - 371 446	Fu	14,161 856 416 - 736 - 931 609	•	Total 51,965 52,057 41,224 32,423 43,531 22,978 3,144 726 188 2,138 115 1,324 1,318
University activities: University support Student scholarships and financial aid Land, building and equipment purchases Faculty support Faculty research Foundation activities: Salaries and benefits Depreciation Insurance Interest Maintenance Miscellaneous Office expenses Professional fees Technology	(51,965 52,057 41,224 32,423 43,531 908 2,193 178 188 1,113 115 22 263 18	M	anagement and General - - - - 7,909 95 132 - 289 - 371 446 615	Fu	14,161 856 416 - 736 - 931 609 1,644	•	Total 51,965 52,057 41,224 32,423 43,531 22,978 3,144 726 188 2,138 115 1,324 1,318 2,277
University activities: University support Student scholarships and financial aid Land, building and equipment purchases Faculty support Faculty research Foundation activities: Salaries and benefits Depreciation Insurance Interest Maintenance Miscellaneous Office expenses Professional fees Technology Training and recruitment	(Srants and Aid to the University 51,965 52,057 41,224 32,423 43,531 908 2,193 178 188 1,113 115 22 263 18 -	M	anagement and General - - - - 7,909 95 132 - 289 - 371 446 615 196	Fu	14,161 856 416 - 736 - 931 609 1,644 108	•	Total 51,965 52,057 41,224 32,423 43,531 22,978 3,144 726 188 2,138 115 1,324 1,318 2,277 304
University activities: University support Student scholarships and financial aid Land, building and equipment purchases Faculty support Faculty research Foundation activities: Salaries and benefits Depreciation Insurance Interest Maintenance Miscellaneous Office expenses Professional fees Technology	(51,965 52,057 41,224 32,423 43,531 908 2,193 178 188 1,113 115 22 263 18	M	anagement and General - - - - 7,909 95 132 - 289 - 371 446 615	Fu	14,161 856 416 - 736 - 931 609 1,644	•	Total 51,965 52,057 41,224 32,423 43,531 22,978 3,144 726 188 2,138 115 1,324 1,318 2,277
University activities: University support Student scholarships and financial aid Land, building and equipment purchases Faculty support Faculty research Foundation activities: Salaries and benefits Depreciation Insurance Interest Maintenance Miscellaneous Office expenses Professional fees Technology Training and recruitment Travel and representation	(Srants and Aid to the University 51,965 52,057 41,224 32,423 43,531 908 2,193 178 188 1,113 115 22 263 18 - 1,248	M	anagement and General - - - - 7,909 95 132 - 289 - 371 446 615 196 756	Fu	14,161 856 416 - 736 - 931 609 1,644 108 1,481	•	Total 51,965 52,057 41,224 32,423 43,531 22,978 3,144 726 188 2,138 115 1,324 1,318 2,277 304 3,485

227,470

22,853

20,950



271,273

Note 18-Indiana University Foundation Notes to Financial Statements

Indiana University Foundation

Notes to Financial Statements (In thousands)

Note 13. Related-Party Transactions

In addition to amounts and transactions disclosed in the preceding notes and financial statements, the following is a summary of related-party transactions. These transactions have been summarized below by financial statement classification as reported in the statements of activities. Related parties include affiliates, Board of Directors, management, and members of their immediate families.

Support and other revenue:

Fees and other income: Included in unrestricted other income is direct support from the University for certain fundraising efforts as well as income from its program operations. For the years ended June 30, 2019 and 2018, the University provided development services support to the Foundation in the amount of \$4,416 and \$4,416, and reimbursed the Foundation for its direct support of campaign fundraising efforts in the amount of \$1,089 and \$913, respectively. As a part of the Foundation's program operations, the Foundation received support from the University for each of the years ended June 30, 2019 and 2018, respectively, as follows: \$6,047 and \$5,673 of rental income for the lease of certain real estate; \$421 and \$438 for Telefund service fees related to its telephone fundraising operations; \$1,168 and \$881 for charter services; and \$21,944 and \$20,665 in management/administrative fees, of which \$2,648 and \$2,619 were received on custodial assets held for the University or University affiliates.

Contributions and promises to give: The Foundation includes related-party contributions in the statements of activities and outstanding related-party promises to give in the statements of financial position.

A summary of related-party contributions and promises to give as of and for the years ended June 30, 2019 and 2018, follows:

	 2019	2018	
Contributions	\$ 13,570	\$ 11,105	
Promises to give	92,634	101,074	

Expenditures:

Program expenditures: The Foundation operates a program to acquire on behalf of, lease to, and/or grant real estate to the University. Included in University support are the net book values of properties granted to the University totaling \$1,191 and \$131 for the years ended June 30, 2019 and 2018, respectively. In addition, program costs include maintenance and repair, utilities, insurance and taxes. Income received by the Foundation related to these operations is recorded in other income.

Note 14. Cash Flows Information

Supplemental information relative to the statement of cash flows for the years ended June 30, 2019 and 2018, is as follows:

	 2019	2018
Supplemental disclosure of cash flow information: Cash payments for interest	\$ 276	\$ 140
Non-cash investing and financing activities: Gifts of securities, life insurance, and real and personal property at fair value	\$ 39,944	\$ 23,933
Transfer of real estate investments to fixed assets	\$ -	\$ 3,131



REQUIRED SUPPLEMENTARY INFORMATION (RSI) 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 years1):

(dollar amounts presented in thousands)

	Measurement Date as of									
	Jun	e 30, 2018	Jui	ne 30, 2017	Jι	une 30, 2016	Jui	ne 30, 2015	Jur	ne 30, 2014
University's proportion of the net pension liability		2.02%		2.06%		2.11%		3.30%		3.85%
University's proportionate share of the net pension liability	\$	68,576	\$	92,066	\$	95,689	\$	134,565	\$	101,229
University's covered-employee payroll	\$	124,694	\$	128,504	\$	139,508	\$	156,848	\$	185,019
University's proportionate share of the net pension liability as a percentage of its covered-employee payroll		55.00%		71.64%		68.59%		85.79%		54.71%
Plan fiduciary net position as a percentage of the total pension liability		78.90%		76.60%		75.30%		77.30%		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 years1):

(dollar amounts presented in thousands)

			F	iscal Year		
	2019	2018		2017	2016	2015
Contractually required contribution	\$ 11,170	\$ 13,978	\$	13,980	\$ 15,637	\$ 17,484
Contributions in relations to the contractually required contribution	\$ (11,170)	\$ (13,978)	\$	(13,980)	\$ (15,637)	\$ (17,484)
Contribution deficiency	-	-		-	-	-
University's covered-employee payroll	\$101,364	\$124,694		\$128,504	\$139,508	\$156,848
Contributions as a percentage of covered-employee payroll	11.02%	11.21%		10.88%	11.21%	11.15%

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

Notes to RSI for Fiscal Year 2019:

Changes of Benefit Terms: None

Changes in Assumptions: 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.

¹ GASB Statement No. 68 requires disclosure of a 10-year schedule. The financial statement information was not available for years prior to those presented. Additional years will be included in future reports as data becomes available.



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)

Total	\$ 7,648	\$ 7,964	\$ 1,799	\$ 55,062	\$(37,188)	\$ 35,285	\$ 233,258	\$268,543		
mourance	1,095	1,501	(909)		(1,200)	270	33,037	30,107	1,211,900	3.070
Retiree Life Insurance	1,095	1,301	(909)	69	(1,286)	270	35,897	36,167	1,211,908	3.0%
Retiree Health Insurance	3,111	1,494	3,498	58,618	(3,714)	63,007	40,456	103,463	1,211,908	8.5%
Fiscal Year 2018: 18/20 Plan	\$ 3,442	\$ 5,169	\$ (790)	\$ (3,625)	\$ (32,188)	\$ (27,992)	\$ 156,905	\$ 128,913	\$ 23,729	543.3%
Total	\$11,610	\$10,224	\$ 6,044	\$ (9,528)	\$(32,264)	\$(13,914)	\$268,543	\$254,629	:	
Retiree Life Insurance	974	1,410	2,134	-	(1,435)	3,083	36,167	39,250	1,248,265	3.1%
Retiree Health Insurance	8,427	4,243	3,257	(6,325)	(4,552)	5,050	103,463	108,513	1,248,265	8.7%
Fiscal Year 2019: 18/20 Plan	\$ 2,209	\$ 4,571	\$ 653	\$ (3,203)	\$ (26,277)	\$(22,047)	\$ 128,913	\$ 106,866	\$ 24,322	439.4%
	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 Employee Payroll	Total Liability as Percentage of Covered Employee Payroll

Notes to RSI:

Fiscal Year 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%.

Fiscal Year 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%.

¹ GASB 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.

TRUSTEES AND ADMINISTRATIVE OFFICERS OF INDIANA UNIVERSITY

The Trustees of Indiana University

for fiscal year ended June 30, 2019

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Patrick A. Shoulders

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Zachary Arnold

Member, Hamilton County (Student Trustee)

MaryEllen Kiley Bishop

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Assistant Secretary

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for fiscal year ended June 30, 2019

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Adam W. Herbert

President Emeritus of the University

Thomas Ehrlich

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John Applegate

Executive Vice President for University Academic Affairs

Jay Hess

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

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Hannah Buxbaum

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Thomas A. Morrison

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Vice President and Chief Financial Officer

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Vice President and General Counsel

William B. Stephan

Vice President for Engagement

Bradley C. Wheeler

Vice President for Information

Technology and Chief Information Officer, Vice President for Communications and Marketing

John Whelan

Vice President for Human Resources

James C. Wimbush

Vice President for Diversity, Equity, and Multicultural **Affairs**

THE CHANCELLORS

Terry Allison

Chancellor Indiana University South Bend, (until July 2, 2018)

Kathryn Cruz-Uribe

Chancellor, Indiana University East (Richmond)

Jann Joseph

Interim Chancellor, Indiana University South Bend (July 2, 2018–June 30, 2019)



TRUSTEES AND ADMINISTRATIVE OFFICERS OF INDIANA UNIVERSITY

THE CHANCELLORS CONTINUED

William J. Lowe

Chancellor, Indiana University Northwest (Gary)

Susan Sciame-Giesecke

Chancellor, Indiana University Kokomo

Ray Wallace

Chancellor, Indiana University Southeast (New Albany)

OTHER OFFICERS AND SENIOR LEADERS

Karen H. Adams

President's Chief of Staff

J Thomas Forbes

Executive Director and CEO, IU Alumni Association

Donald S. Lukes

Treasurer, Indiana University

Daniel C. Smith

President and CEO, IU Foundation



Anniversary class clock Near Third Street, Bloomington



Additional copies of this report may be obtained from:

Office of the Vice President and Chief Financial Officer

Bryan Hall 212 107 S. Indiana Avenue Indiana University Bloomington, IN 47405-7000 https://vpcfo.iu.edu/

To print a PDF file of this report, go to https://vpcfo.iu.edu/resources/ consolidated-annual-financial-reports. html

For additional information:

General Information Vice President for Government Relations

201 N. Indiana Avenue Bloomington, IN 47408 https://gov.iu.edu

Financial Reporting

Associate Vice President and University Controller

Financial Management Services Poplars 519 400 E. 7th Street Indiana University Bloomington, IN 47405-3085 https://fms.iu.edu

Admissions

Vice Provost for Enrollment Management

Office of Admissions 940 E. Seventh Street Indiana University Bloomington, IN 47405-1106 https://admissions.indiana.edu

Gifts

Indiana University Foundation

Showalter House P.O. Box 500 Bloomington, IN 47402-0500 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 http://iuhoosiers.com

Alumni

Alumni Association

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



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FEDERAL COMPLIANCE AUDIT REPORT

OF

INDIANA UNIVERSITY

BLOOMINGTON, INDIANA

July 1, 2018 to June 30, 2019





TABLE OF CONTENTS

<u>Description</u>	<u>Page</u>
Schedule of University Officials	2
Independent Auditor's Report on Schedule of Expenditures of Federal Awards Required by the Uniform Guidance	3
Independent Auditor's Report on Internal Control over Financial Reporting and on Compliance and Other Matters Based on an Audit of the Financial Statements Performed in Accordance with Government Auditing Standards	4-5
Independent Auditor's Report on Compliance for Each Major Federal Program; Report on Internal Control over Compliance	6-7
Schedule of Expenditures of Federal Awards and Accompanying Notes: Schedule of Expenditures of Federal Awards Notes to Schedule of Expenditures of Federal Awards	
Schedule of Findings and Questioned Costs	50
Other Reports	51

SCHEDULE OF UNIVERSITY OFFICIALS

<u>Office</u>	<u>Official</u>	<u>Term</u>
University President	Michael A. McRobbie, Ph.D.	07-01-18 to 06-30-20
Vice President and Chief Financial Officer	John Sejdinaj	07-01-18 to 06-30-20
University Treasurer	Donald S. Lukes	07-01-18 to 06-30-20
Vice President for Research	Fred H. Cate	07-01-18 to 06-30-20
Associate Vice President Research Administration	Steven Martin	07-01-18 to 06-30-20
Chair of the Board Of Trustees	Michael J. Mirro	07-01-18 to 06-30-20



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> Telephone: (317) 232-2513 Fax: (317) 232-4711 Web Site: www.in.gov/sboa

INDEPENDENT AUDITOR'S REPORT ON SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS REQUIRED BY THE UNIFORM GUIDANCE

TO: THE OFFICIALS OF INDIANA UNIVERSITY, BLOOMINGTON, INDIANA

We have audited the financial statements of the business-type activities and the discretely presented component unit of Indiana University (University), a component unit of the State of Indiana, as of and for the year ended June 30, 2019, and the related notes to the financial statements, which collectively comprise the University's basic financial statements. We issued our report thereon dated October 25, 2019, which contained unmodified opinions on those 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 25, 2019. Our report includes a reference to other auditors who audited the financial statements of the Indiana University Foundation, Inc. (Foundation), as described in our report on the University's financial statements.

The accompanying Schedule of Expenditures of Federal Awards is presented for purposes of additional analysis as required by the Title 2 U.S. *Code of Federal Regulations* Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* and is not a required part of the basic financial statements. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the basic financial statements. The information has been subjected to the auditing procedures applied in the audit of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the Schedule of Expenditures of Federal Awards is fairly stated, in all material respects, in relation to the basic financial statements, as a whole.

Paul D. Joyce, CPA State Examiner

October 25, 2019



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

TO: THE OFFICIALS OF INDIANA UNIVERSITY, BLOOMINGTON, INDIANA

We have audited, in accordance with the auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, the financial statements of the business-type activities and the discretely presented component unit, of Indiana University (University), a component unit of the State of Indiana, as of and for the year ended June 30, 2019, 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 25, 2019. Our report includes a reference to other auditors who audited the financial statements of Indiana University Foundation, Inc. (Foundation), as described in our report on the University's financial statements. The financial statements of the Foundation were not audited in accordance with *Government Auditing Standards*. This report does not include the results of the other auditors' testing of internal control over financial reporting or compliance and other matters that are reported on separately by those auditors.

Internal Control over Financial Reporting

In planning and performing our audit of the financial statements, we considered the University's internal control over financial reporting (internal control) to determine the audit procedures that are appropriate in the circumstances for the purpose of expressing our opinions on the 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 may exist that have not been identified.

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

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 determination of financial statement amounts. However, providing an opinion on compliance with those provisions was not an objective of our audit and, accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

Purpose of This Report

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the 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.

Paul D. Joyce, CPA State Examiner

October 25, 2019



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INDEPENDENT AUDITOR'S REPORT ON COMPLIANCE FOR EACH MAJOR FEDERAL PROGRAM; REPORT ON INTERNAL CONTROL OVER COMPLIANCE

TO: THE OFFICIALS OF INDIANA UNIVERSITY, BLOOMINGTON, INDIANA

Report on Compliance for Each Major Federal Program

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

Management's Responsibility

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

Auditor's Responsibility

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

We believe that our audit provides a reasonable basis for our opinion on compliance for each major federal program. However, our audit does not provide a legal determination of the University's compliance.

Opinion on Each Major Federal Program

In our opinion, the University complied, in all material respects, with the types of compliance requirements referred to above that could have a direct and material effect on each of its major federal programs for the year ended June 30, 2019.

INDEPENDENT AUDITOR'S REPORT ON COMPLIANCE FOR EACH MAJOR FEDERAL PROGRAM; REPORT ON INTERNAL CONTROL OVER COMPLIANCE (Continued)

Report on Internal Control over Compliance

Management of the University is responsible for establishing and maintaining effective internal control over compliance with the types of compliance requirements referred to above. In planning and performing our audit of compliance, we considered the University's internal control over compliance with the types of requirements that could have a direct and material effect on each major federal program to determine the auditing procedures that are appropriate in the circumstances for the purpose of expressing our opinion on compliance for each major federal program and to test and report on internal control over compliance in accordance with the Uniform Guidance, but not for the purpose of expressing an opinion on the effectiveness of internal control over compliance. Accordingly, we do not express an opinion on the effectiveness of the University's 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 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 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 first paragraph of this section and was not designed to identify all deficiencies in internal control over compliance that might be material weaknesses or significant deficiencies. We did not identify any deficiencies in internal control over compliance that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified.

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.

Paul D. Joyce, CPA State Examiner

February 4, 2020

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SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS AND ACCOMPANYING NOTE	S
The Schedule of Expenditures of Federal Awards and accompanying notes presented prepared by management of the University. The schedule and notes are presented as intended University.	ed were d by the

Cluster	CFDA Number	CFDA Program Title	Federal Agency Highest Level	Direct or Pass Through	Pass Through Entity	Grant Number	Federal Expenditures	Sub-recipient Expenditures
Research And Development Cluster	10.170	Specialty Crop Block Grant Program - Farm Bill	AGRICULTURE, DEPARTMENT OF	Pass Through	INDIANA STATE DEPARTMENT OF	24213	\$ 23,707	
Research And Development Cluster	10.170	Specialty Crop Block Grant Program - Farm Bill		Pass Through	AGRICULTURE INDIANA STATE DEPARTMENT OF	29649	\$ 49,926	\$ -
Research And Development Cluster	10.170	Specialty Crop Block Grant Program - Farm Bill		Pass Through	AGRICULTURE INDIANA STATE DEPARTMENT OF	A337-16-SCRC-15-	\$ 101	\$ 98
Research And Development Cluster	10.170	Specially Crop Block Grafit Frogram - Farm Bill		rass Illiougii	AGRICULTURE	002^00000000000000000000191	\$ 101	φ 70
Research And Development Cluster	10.170 Total					77	\$ 73,734	
Research And Development Cluster	10.215	Sustainable Agriculture Research and Education	AGRICULTURE, DEPARTMENT OF	Pass Through Pass Through	PURDUE UNIVERSITY	8000084109-AG	\$ 19,412	
Research And Development Cluster Research And Development Cluster	10.215 10.215	Sustainable Agriculture Research and Education Sustainable Agriculture Research and Education		Pass Through	UNIVERSITY OF MINNESOTA UNIVERSITY OF MINNESOTA	H005722915 H006607421	\$ 51,031 \$ 5,252	
Research And Development Cluster	10.215 Total						\$ 75,695	\$ 9,751
Research And Development Cluster	10.216	1890 Institution Capacity Building Grants	AGRICULTURE, DEPARTMENT OF	Pass Through	PRAIRIE VIEW A&M UNIVERSITY	S150501	\$ 3,992	\$ -
Research And Development Cluster	10.216 Total	Laborated Brownia	ACCIONATION DEPARTMENT OF	Discort.		2014 54420 20400	\$ 3,992	
Research And Development Cluster Research And Development Cluster	10.303 10.303 Total	Integrated Programs	AGRICULTURE, DEPARTMENT OF	Direct		2014-51130-22492	\$ 76,650 \$ 76,650	
Research And Development Cluster	10.310	Agriculture and Food Research Initiative (AFRI)	AGRICULTURE, DEPARTMENT OF	Direct		2016-67012-24680	\$ (95)	
esearch And Development Cluster	10.310	Agriculture and Food Research Initiative (AFRI)		Direct		2017-67013-26191	\$ 108,999	
esearch And Development Cluster esearch And Development Cluster	10.310 10.310	Agriculture and Food Research Initiative (AFRI) Agriculture and Food Research Initiative (AFRI)		Direct Direct		2017-67013-26523 2018-67011-28023	\$ 163,429 \$ 81,031	
esearch And Development Cluster	10.310	Agriculture and Food Research Initiative (AFRI)		Direct		2019-67011-29507	\$ 51,031	
esearch And Development Cluster	10.310	Agriculture and Food Research Initiative (AFRI)		Direct		2019-67012-29535	\$ 5,519	\$ -
esearch And Development Cluster	10.310	Agriculture and Food Research Initiative (AFRI)		Direct		2019-67012-29597	\$ 11,786	
esearch And Development Cluster esearch And Development Cluster	10.310 10.310	Agriculture and Food Research Initiative (AFRI) Agriculture and Food Research Initiative (AFRI)		Pass Through Pass Through	OREGON STATE UNIVERSITY UNIVERSITY OF FLORIDA	C0509A-A UFDSP00011911	\$ 88,551 \$ 34,392	
esearch And Development Cluster	10.310	Agriculture and Food Research Initiative (AFRI)		Pass Through	UNIVERSITY OF FEORIDA	53933-Z5776004	\$ 11,122	
esearch And Development Cluster	10.310 Total	-	ACDICULTUDE DEPARTMENT OF	D Thomas	INDIANA DEDADTMENT OF		\$ 504,785	
esearch And Development Cluster	10.558	Child and Adult Care Food Program	AGRICULTURE, DEPARTMENT OF	Pass Through	INDIANA DEPARTMENT OF EDUCATION	1490103	\$ 69,891	
search And Development Cluster search And Development Cluster	10.558 Total 10.684	International Forestry Programs	AGRICULTURE, DEPARTMENT OF	Direct		18-CA-11132762-384	\$ 69,891 \$ 83,063	
esearch And Development Cluster	10.684 Total						\$ 83,063	\$ -
search And Development Cluster	11.312	Research and Evaluation Program	COMMERCE, DEPARTMENT OF	Direct		ED17HDQ3120040	\$ 813,670	
search And Development Cluster search And Development Cluster	11.312 Total 11.417	Sea Grant Support	COMMERCE, DEPARTMENT OF	Pass Through	PURDUE UNIVERSITY	F0008309702022	\$ 813,670 \$ 3,366	
search And Development Cluster	11.417 Total	Sea Grant Support	COMMERCE, DEPARTMENT OF	rass Illiougii	FUNDUE UNIVERSITI	10006304702022	\$ 3,366	
esearch And Development Cluster	11.419	Coastal Zone Management Administration Awards	COMMERCE, DEPARTMENT OF	Pass Through	INDIANA DEPARTMENT OF	19560	\$ (2,358)	
search And Development Cluster	11.419	Coastal Zone Management Administration Awards		Pass Through	NATURAL RESOURCES INDIANA DEPARTMENT OF NATURAL RESOURCES	28399	\$ 4,957	\$ -
search And Development Cluster	11.419 Total	And the desired by th	COMMERCE, DEPARTMENT OF	Disc. of		NA4/AUAC 4/0000/	\$ 2,599	
search And Development Cluster search And Development Cluster	11.468 11.468 Total	Applied Meteorological Research	COMMERCE, DEPARTMENT OF	Direct		NA16NWS4680026	\$ 5,670 \$ 5,670	
search And Development Cluster	11.609	Measurement and Engineering Research and Standards	COMMERCE, DEPARTMENT OF	Direct		60NANB18D268	\$ 1,309	
search And Development Cluster	11.609	Measurement and Engineering Research and Standards		Direct		70NANB15H259	\$ 527,006	
search And Development Cluster search And Development Cluster	11.609 11.609	Measurement and Engineering Research and Standards Measurement and Engineering Research and Standards		Direct Pass Through	MICHIGAN TECHNOLOGICAL	70NANB15H349 1702068Z1	\$ 4,407 \$ 91,611	
search And Development Cluster	11.609 Total	,			UNIVERSITY		\$ 624,333	
search And Development Cluster	12.300	Basic and Applied Scientific Research	DEPARTMENT OF DEFENSE	Direct		N00014-15-1-2662	\$ 624,333	
earch And Development Cluster	12.300	Basic and Applied Scientific Research		Direct		N00014-16-2810	\$ 24,923	\$
search And Development Cluster	12.300	Basic and Applied Scientific Research		Direct		N00014-18-1-2588	\$ 25,508	
esearch And Development Cluster esearch And Development Cluster	12.300 12.300	Basic and Applied Scientific Research Basic and Applied Scientific Research		Direct Direct		N001641811004 N00164-18-1-1005	\$ 45,300 \$ 40,000	
search And Development Cluster	12.300	Basic and Applied Scientific Research		Direct		N0016419P0069	\$ 1,227	
search And Development Cluster	12.300	Basic and Applied Scientific Research		Direct		N00174-17-1-0007	\$ 61,577	
search And Development Cluster search And Development Cluster	12.300 12.300 Total	Basic and Applied Scientific Research		Pass Through	WRIGHT STATE UNIVERSITY	670437-1/FA8650-16-2-6702	\$ 154,009 \$ 352,714	
search And Development Cluster	12.355	Pest Management and Vector Control Research	DEPARTMENT OF DEFENSE	Direct		W911QY-17-1-0002	\$ 90,943	
search And Development Cluster	12.355 Total						\$ 90,943	\$ 487
search And Development Cluster search And Development Cluster	12.400 12.400 Total	Military Construction, National Guard	DEPARTMENT OF DEFENSE	Pass Through	JOHNS HOPKINS UNIVERSITY	POVIV	\$ 646 \$ 646	
search And Development Cluster	12.420	Military Medical Research and Development	DEPARTMENT OF DEFENSE	Direct		W81XWH-13-1-0468	\$ 46,682	
earch And Development Cluster	12.420	Military Medical Research and Development		Direct		W81XWH-14-1-0265	\$ 45,689	\$
earch And Development Cluster	12.420	Military Medical Research and Development		Direct		W81XWH-14-1-0358	\$ 3,691	
search And Development Cluster search And Development Cluster	12.420 12.420	Military Medical Research and Development Military Medical Research and Development		Direct Direct		W81XWH-14-1-0489 W81XWH-14-2-0151	\$ (2,584) \$ 3,232,064	
earch And Development Cluster	12.420	Military Medical Research and Development		Direct		W81XWH-15-0253	\$ 201,686	
earch And Development Cluster	12.420	Military Medical Research and Development		Direct		W81XWH-15-1-0254	\$ (12,054)	
search And Development Cluster search And Development Cluster	12.420 12.420	Military Medical Research and Development Military Medical Research and Development		Direct Direct		W81XWH-15-1-0255 W81XWH-15-1-0264	\$ 222,933 \$ 162,864	
earch And Development Cluster	12.420	Military Medical Research and Development		Direct		W81XWH-15-1-0267		
earch And Development Cluster	12.420	Military Medical Research and Development		Direct		W81XWH-15-1-0635	\$ 251,053	
earch And Development Cluster	12.420	Military Medical Research and Development		Direct		W81XWH-15-1-0707	\$ 302,983	
earch And Development Cluster earch And Development Cluster	12.420 12.420	Military Medical Research and Development Military Medical Research and Development		Direct Direct		W81XWH-16-1-0030 W81XWH-16-1-0040	\$ 572,677 \$ 258,943	
earch And Development Cluster	12.420	Military Medical Research and Development		Direct		W81XWH-16-1-0040	\$ 145,436	
earch And Development Cluster	12.420	Military Medical Research and Development		Direct		W81XWH-16-1-0230	\$ 2,336	
earch And Development Cluster	12.420	Military Medical Research and Development		Direct		W81XWH-16-1-0366	\$ 242,407	
earch And Development Cluster earch And Development Cluster	12.420 12.420	Military Medical Research and Development Military Medical Research and Development		Direct Direct		W81XWH-16-2-0059 W81XWH-17-1-0076	\$ 187,759 \$ 225,688	
search And Development Cluster search And Development Cluster	12.420	Military Medical Research and Development Military Medical Research and Development		Direct		W81XWH-17-1-0076 W81XWH-17-1-0294	\$ 225,688 \$ 216,546	
earch And Development Cluster	12.420	Military Medical Research and Development		Direct		W81XWH-17-1-0537	\$ 599,821	\$
search And Development Cluster	12.420	Military Medical Research and Development		Direct		W81XWH-17-1-0574	\$ 140,356	
search And Development Cluster search And Development Cluster	12.420 12.420	Military Medical Research and Development Military Medical Research and Development		Direct Direct		W81XWH-17-1-0626 W81XWH-18-1-0062	\$ 178,523 \$ 289,977	
search And Development Cluster	12.420	Military Medical Research and Development		Direct		W81XWH1810265	\$ 106,736	
search And Development Cluster	12.420	Military Medical Research and Development		Direct		W81XWH1810433	\$ 306,327	\$
	12.420	Military Medical Research and Development Military Medical Research and Development		Direct		W81XWH1810434	\$ 148,823	
				Direct		W81XWH1810553	\$ 254,298	3
search And Development Cluster	12.420 12.420					W81XWH1810586	\$ 122.504	\$
search And Development Cluster search And Development Cluster	12.420 12.420 12.420	Military Medical Research and Development Military Medical Research and Development Military Medical Research and Development		Direct Direct		W81XWH1810586 W81XWH1810678	\$ 122,594 \$ 145,427	
esearch And Development Cluster esearch And Development Cluster	12.420	Military Medical Research and Development		Direct				\$ \$

Cluster	CFDA Number	CFDA Program Title	Federal Agency Highest Level	Direct or Pass Through	Pass Through Entity	Grant Number	Federal Expenditures	Sub-recipient Expenditures
Research And Development Cluster	12.420	Military Medical Research and Development	DEPARTMENT OF DEFENSE	Direct		W81XWH1910114	\$ 25,704	
Research And Development Cluster	12.420	Military Medical Research and Development		Direct		W81XWH1910120	\$ 13,985	
Research And Development Cluster	12.420	Military Medical Research and Development		Direct		W81XWH1910217	\$ 1,247	\$ -
Research And Development Cluster	12.420	Military Medical Research and Development		Pass Through	ALLINAIRE THERAPEUTICS		\$ 55,115	
Research And Development Cluster	12.420	Military Medical Research and Development		Pass Through	CENTER FOR VETERANS RESEARCH AND EDUCATION	CVRE-05	\$ 16,961	\$ -
Research And Development Cluster	12.420	Military Medical Research and Development		Pass Through	CLEVELAND CLINIC FOUNDATION		\$ 31,194	
Research And Development Cluster Research And Development Cluster	12.420 12.420	Military Medical Research and Development Military Medical Research and Development		Pass Through Pass Through	JOHNS HOPKINS UNIVERSITY JOHNS HOPKINS UNIVERSITY	2003479611 2002356190/W81XWH-10-2-0090	\$ 139,902 \$ (58)	
Research And Development Cluster	12.420	Military Medical Research and Development		Pass Through	JOHNS HOPKINS UNIVERSITY	2002356190^W81XW-10-2-0090	\$ (424)	\$ -
Research And Development Cluster	12.420	Military Medical Research and Development		Pass Through	JOHNS HOPKINS UNIVERSITY	2003420257/W81XWH-16-2-0060		
Research And Development Cluster	12.420	Military Medical Research and Development		Pass Through	JOHNS HOPKINS UNIVERSITY	W81XWH-10-2-0090	\$ 126	
Research And Development Cluster	12.420	Military Medical Research and Development		Pass Through	JOHNS HOPKINS UNIVERSITY	W81XWH-12-1-0588	\$ 2,388	
Research And Development Cluster	12.420	Military Medical Research and Development		Pass Through	JOHNS HOPKINS UNIVERSITY		\$ 12,235	\$ -
Research And Development Cluster	12.420	Military Medical Research and Development		Pass Through	METIS FOUNDATION	S-W81XWH-17-2-0069-005	\$ 29,592	\$ -
Research And Development Cluster	12.420	Military Medical Research and Development		Pass Through	NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH & EDU	WEI1675-1687	\$ 4,524	\$ -
Research And Development Cluster	12.420	Military Medical Research and Development		Pass Through	NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH & FDU	WEI1808-1819	\$ 16,499	\$ -
Research And Development Cluster	12.420	Military Medical Research and Development		Pass Through	NORTHWESTERN UNIVERSITY	60051463 IND	\$ 39,335	\$ -
Research And Development Cluster	12.420	Military Medical Research and Development		Pass Through	PEPPERDINE UNIVERSITY	INDI-DOD-001	\$ 24,586	\$ -
Research And Development Cluster	12.420	Military Medical Research and Development		Pass Through	PURDUE UNIVERSITY		\$ 10,292	
Research And Development Cluster Research And Development Cluster	12.420 12.420	Military Medical Research and Development Military Medical Research and Development		Pass Through Pass Through	PURDUE UNIVERSITY UNIVERSITY OF ALABAMA	4104-60693 000516840-001-T001	\$ 69,427 \$ 3,587	
Research And Development Cluster	12.420	Military Medical Research and Development		Pass Through	BIRMINGHAM UNIVERSITY OF ALABAMA	000516840-SC001-T001/W81XWH-		
	12.720	mana y madical research and bevelopment		_	BIRMINGHAM	17-2-0037	Ψ 20,221	•
Research And Development Cluster	12.420	Military Medical Research and Development		Pass Through	UNIVERSITY OF ALABAMA BIRMINGHAM	000518323-003	\$ 42,778	\$ -
Research And Development Cluster	12.420	Military Medical Research and Development		Pass Through	UNIVERSITY OF MARYLAND	1802254	\$ 7,473	
Research And Development Cluster Research And Development Cluster	12.420 12.420	Military Medical Research and Development Military Medical Research and Development		Pass Through Pass Through	UNIVERSITY OF MIAMI UNIVERSITY OF NORTH	SP000252^668268 5108622	\$ 669 \$ 87,383	
					CAROLINA AT CHAPEL HILL			
Research And Development Cluster	12.420	Military Medical Research and Development		Pass Through	UNIVERSITY OF NOTRE DAME	203481IU	\$ 36,494	
Research And Development Cluster Research And Development Cluster	12.420 12.420 Total	Military Medical Research and Development		Pass Through	UNIVERSITY OF PITTSBURGH	0058882 (414567¿1)	\$ 61,250 \$ 11,186,722	
Research And Development Cluster	12.431	Basic Scientific Research	DEPARTMENT OF DEFENSE	Direct		W911NF-10-1-0444	\$ 350,910	
Research And Development Cluster	12.431	Basic Scientific Research	DEFAITMENT OF DEFENSE	Direct		W911NF-14-1-0411	\$ 1,182,996	
Research And Development Cluster	12.431	Basic Scientific Research		Direct		W911NF-14-1-0635	\$ 33,625	
Research And Development Cluster	12.431	Basic Scientific Research		Direct		W911NF-16-1-0104	\$ 76,286	
Research And Development Cluster	12.431	Basic Scientific Research		Direct		W911NF-16-1-0127	\$ 191,434	
Research And Development Cluster Research And Development Cluster	12.431 12.431	Basic Scientific Research Basic Scientific Research		Direct Direct		W911NF-17-1-0248 W911NF-17-1-0329	\$ 113,091 \$ 216,176	
Research And Development Cluster	12.431	Basic Scientific Research		Direct		W911NF-17-1-0329 W911NF-19-1-0074	\$ 216,176	
Research And Development Cluster	12.431	Basic Scientific Research		Pass Through	DUKE UNIVERSITY	3130870	\$ 29,028	
Research And Development Cluster	12.431	Basic Scientific Research		Pass Through	NORTHWESTERN UNIVERSITY	SP0046873-PROJ0014746	\$ 224,898	
Research And Development Cluster Research And Development Cluster	12.431 Total 12.630	Basic, Applied, and Advanced Research in Science and Engineering	DEPARTMENT OF DEFENSE	Pass Through	PENNSYLVANIA STATE UNIVERSITY	4940-TIU-ARMY-0045	\$ 2,500,144 \$ 132,915	
Research And Development Cluster Research And Development Cluster	12.630 Total 12.750	Uniformed Services University Medical Research Projects	DEPARTMENT OF DEFENSE	Pass Through	HENRY M JACKSON FOUNDATION	N 4638	\$ 132,915 \$ 1,192	
Research And Development Cluster	12.750 Total	official services officerstry weather research respects	DEL ANTIMENT OF DEFENSE	r ass mrough	TIENKT W SACKSON TOUNDATION	4 4030	\$ 1,192	
Research And Development Cluster	12.800	Air Force Defense Research Sciences Program	DEPARTMENT OF DEFENSE	Direct		FA9550-15-1-0343	\$ 212,523	
Research And Development Cluster	12.800	Air Force Defense Research Sciences Program		Direct		FA9550-16-1-0277	\$ 47,314	
Research And Development Cluster	12.800 Total						\$ 259,837	
Research And Development Cluster	12.910	Research and Technology Development	DEPARTMENT OF DEFENSE	Pass Through	LUNA INNOVATIONS		\$ 164,053	
Research And Development Cluster	12.910	Research and Technology Development		Pass Through	UNIVERSITY OF ILLINOIS AT CHICAGO	17219	\$ 36,278	
Research And Development Cluster	12.910	Research and Technology Development		Pass Through	UNIVERSITY OF PENNSYLVANIA	570526	\$ 56,271	
Research And Development Cluster	12.910 Total	Multiplication Communities Com	INTERIOR REPARTMENT OF THE	David Thomas	NODTH CAROLINA CTATE	2010 2010 20	\$ 256,602	
Research And Development Cluster	15.628	Multistate Conservation Grant	INTERIOR, DEPARTMENT OF THE	Pass Through	NORTH CAROLINA STATE UNIVERSITY	2018-0319-02	\$ 4,897	
Research And Development Cluster Research And Development Cluster	15.628 Total 15.634	State Wildlife Grants	INTERIOR, DEPARTMENT OF THE	Pass Through	NATIONAL AUDUBON SOCIETY		\$ 4,897 \$ 8,335	
Research And Development Cluster Research And Development Cluster	15.634 Total 15.805	Assistance to State Water Resources Research Institutes	INTERIOR, DEPARTMENT OF THE	Pass Through	PURDUE UNIVERSITY	4107-81240	\$ 8,335 \$ 2,000	
Research And Development Cluster	15.805 Total		•		-		\$ 2,000	\$ -
Research And Development Cluster	15.807	Earthquake Hazards Program Assistance	INTERIOR, DEPARTMENT OF THE	Direct		G17AP00017	\$ 4,431	
Research And Development Cluster	15.807	Earthquake Hazards Program Assistance		Direct		G19AP00027	\$ 13,622	
Research And Development Cluster Research And Development Cluster	15.807 Total 15.808	U.S. Geological Survey Research and Data Collection	INTERIOR, DEPARTMENT OF THE	Direct		G17AC00364^G17AC00412	\$ 18,053 \$ 83,378	
Research And Development Cluster	15.808	U.S. Geological Survey Research and Data Collection	INTERIOR, DEPARTMENT OF THE	Direct		G17AC00384**G17AC00412 G18AC00024	\$ 77,907	
Research And Development Cluster	15.808	U.S. Geological Survey Research and Data Collection		Direct		G18AC00240	\$ 76,850	
Research And Development Cluster	15.808	U.S. Geological Survey Research and Data Collection		Direct		G18AC00272^G18AC00309	\$ 13,814	\$ -
Research And Development Cluster	15.808 Total						\$ 251,949	\$ -
Research And Development Cluster	15.810	National Cooperative Geologic Mapping	INTERIOR, DEPARTMENT OF THE	Direct		G17AC00208	\$ (7,502)	
Research And Development Cluster	15.810	National Cooperative Geologic Mapping		Direct		G18AC00157	\$ 159,560	
Research And Development Cluster Research And Development Cluster	15.810 15.810 Total	National Cooperative Geologic Mapping		Direct		G19AC00155	\$ 11,195 \$ 163,253	
Research And Development Cluster	15.814	National Geological and Geophysical Data Preservation	INTERIOR, DEPARTMENT OF THE	Direct		G18AP00056	\$ 36,716	
Research And Development Cluster	15.814 Total		•				\$ 36,716	\$ -
Research And Development Cluster	15.904	Historic Preservation Fund Grants-In-Aid	INTERIOR, DEPARTMENT OF THE	Pass Through	INDIANA DEPARTMENT OF NATURAL RESOURCES	22211	\$ 9,388	\$ -
Research And Development Cluster	15.904 Total				WITOKAE RESOURCES		\$ 9,388	\$ -

Cluster	CFDA Number	CFDA Program Title	Federal Agency Highest Level	Direct or Pass Through	Pass Through Entity	Grant Number			Sub-recipient Expenditures
Research And Development Cluster	16.123	Community-Based Violence Prevention Program	JUSTICE, DEPARTMENT OF	Pass Through	HEALTH AND HOSPITAL CORPORATION OF MARION COUNTY		\$	7,131	
Research And Development Cluster Research And Development Cluster	16.123 Total 16.560	National Institute of Justice Research, Evaluation, and Development Project Grants	JUSTICE, DEPARTMENT OF	Direct	COUNTY	2013-VA-CX-0044	\$	7,131 39,152	
Research And Development Cluster	16.560	National Institute of Justice Research, Evaluation, and Development Project Grants National Institute of Justice Research, Evaluation, and Development Project Grants	JUSTICE, DEPARTMENT OF	Direct		2014-DN-BX-K031	\$	(4,351)	
						2014-DN-BX-K051 2015-DN-BX-K058			
Research And Development Cluster	16.560	National Institute of Justice Research, Evaluation, and Development Project Grants		Direct			\$	(1,685)	
Research And Development Cluster	16.560	National Institute of Justice Research, Evaluation, and Development Project Grants		Direct		2016-BJ-BX-K069	\$	238,717	
Research And Development Cluster	16.560	National Institute of Justice Research, Evaluation, and Development Project Grants		Direct		2016-DN-BX-0007	\$	46,012	\$ -
Research And Development Cluster	16.560	National Institute of Justice Research, Evaluation, and Development Project Grants		Direct		2017-DN-BX-0172	\$	67,486	\$ -
Research And Development Cluster	16.560	National Institute of Justice Research, Evaluation, and Development Project Grants		Direct		2017-R2-CX-0018	\$	73,205	\$ -
Research And Development Cluster	16.560	National Institute of Justice Research, Evaluation, and Development Project Grants		Direct		2018-75-CX-0034	\$	10,515	\$ -
Research And Development Cluster	16.560	National Institute of Justice Research, Evaluation, and Development Project Grants		Direct		2018-75-CX-0035	\$	31,748	\$ -
Research And Development Cluster	16.560	National Institute of Justice Research, Evaluation, and Development Project Grants		Direct		2018-DU-BX-0212	\$	43,025	\$ -
Research And Development Cluster	16.560	National Institute of Justice Research, Evaluation, and Development Project Grants		Direct		2018-DU-BX-0219	\$	24,288	\$ -
Research And Development Cluster	16.560	National Institute of Justice Research, Evaluation, and Development Project Grants		Direct		2018-R2-CX-0015	\$	30,495	s -
Research And Development Cluster	16.560	National Institute of Justice Research, Evaluation, and Development Project Grants		Pass Through	MICHIGAN STATE UNIVERSITY	RC105656 IU	\$	35,598	ş -
Research And Development Cluster	16.560	National Institute of Justice Research, Evaluation, and Development Project Grants		Pass Through	UNIVERSITY OF ARKANSAS	SA1802204	\$	60,901	
Research And Development Cluster	16.560 Total	,					\$	695,106	
Research And Development Cluster Research And Development Cluster	16.562 16.562 Total	Criminal Justice Research and Development Graduate Research Fellowships	JUSTICE, DEPARTMENT OF	Direct		2015-R2-CX-0023	\$	22,559 22,559	\$ -
Research And Development Cluster	16.566	National Institute of Justice W.E.B. DuBois Fellowship Program	JUSTICE, DEPARTMENT OF	Direct		2018-R2-CX-0023	\$	29,330	\$ -
Research And Development Cluster Research And Development Cluster	16.566 Total 16.609	Project Safe Neighborhoods	JUSTICE, DEPARTMENT OF	Pass Through	INDIANAPOLIS METROPOLITAN	15346	\$ \$	29,330 8,137	
					POLICE DEPARTMENT				
Research And Development Cluster Research And Development Cluster	16.609 Total 16.738	Edward Byrne Memorial Justice Assistance Grant Program	JUSTICE, DEPARTMENT OF	Pass Through	CITY OF INDIANAPOLIS		\$	8,137 2,383	
Research And Development Cluster Research And Development Cluster	16.738 Total 16.754	Harold Rogers Prescription Drug Monitoring Program	JUSTICE, DEPARTMENT OF	Pass Through	INDIANA STATE DEPARTMENT OF	31593	\$ \$	2,383 590	\$ -
Research And Development Cluster	16.754	Harold Rogers Prescription Drug Monitoring Program	SSSTISE, BETTALLINE OF	Pass Through	HEALTH SUPREME COURT OF OHIO	31373	s	41,770	
Research And Development Cluster	16.754 Total		HIGTIGE DEPARTMENT OF				\$	42,360	\$ -
Research And Development Cluster	16.838	Comprehensive Opioid Abuse Site-Based Program	JUSTICE, DEPARTMENT OF	Pass Through	HEALTH AND HOSPITAL CORPORATION OF MARION		\$	562	\$ -
Research And Development Cluster	16.838	Comprehensive Opioid Abuse Site-Based Program		Pass Through	COUNTY INDIANAPOLIS EMERGENCY		\$	2,551	s -
Research And Development Cluster	16.838 Total				MEDICAL SERVICES		\$	3,113	s -
Research And Development Cluster	17.261	WIOA Pilots, Demonstrations, and Research Projects	LABOR, DEPARTMENT OF	Pass Through	INDIANA DEPARTMENT OF WORKFORCE DEVELOPMENT	24150	\$	226,718	\$ -
Research And Development Cluster	17.261	WIOA Pilots, Demonstrations, and Research Projects		Pass Through	INDIANA DEPARTMENT OF WORKFORCE DEVELOPMENT	0000000000000000000024150^0 0000000000000000000031738	\$	22,391	\$ -
Research And Development Cluster	17.261 Total						\$	249,109	
Research And Development Cluster Research And Development Cluster	19.501 19.501 Total	Public Diplomacy Programs for Afghanistan and Pakistan	STATE, DEPARTMENT OF	Direct		S-AF200-18-GR-0036	\$ \$	25,660 25,660	\$ -
Research And Development Cluster Research And Development Cluster	20.200 20.200	Highway Research and Development Program Highway Research and Development Program	TRANSPORTATION, DEPARTMENT OF	Pass Through Pass Through	PURDUE UNIVERSITY PURDUE UNIVERSITY	21000230-064 21000231-066	\$ \$	96,083 90,813	
Research And Development Cluster Research And Development Cluster	20.200 Total 20.600	State and Community Highway Safety	TRANSPORTATION, DEPARTMENT OF	Pass Through	INDIANA CRIMINAL JUSTICE	EDS#D3-18-12099	\$ \$	186,896 117,660	
Research And Development Cluster	20.600 Total	State and community magning statety	Trailer Statistics, Betrattment of	rass moagn	INSTITUTE	255,750 10 12077	\$	117,660	
Research And Development Cluster	43.001	Science	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	Direct		G09-20082B	\$	29,305	\$ -
Research And Development Cluster Research And Development Cluster	43.001 43.001	Science Science		Direct Direct		GO7-18020X NNX16AB64G	\$ \$	11,233 124,021	
Research And Development Cluster	43.001	Science		Direct		NNX17AF17G	\$	73,233	\$ -
Research And Development Cluster	43.001	Science		Pass Through	CALIFORNIA INSTITUTE TECHNOLOGY JET PROPULSION	1558111	\$	21,139	\$ -
Research And Development Cluster	43.001	Science		Pass Through	LAB CALIFORNIA INSTITUTE TECHNOLOGY JET PROPULSION	1579641	\$	1,733	s -
Research And Development Cluster	43.001	Science		Pass Through	LAB CALIFORNIA INSTITUTE TECHNOLOGY JET PROPULSION	1626216	\$	4,946	s -
Research And Development Cluster	43.001	Science		Pass Through	LAB CALIFORNIA INSTITUTE	1626225	\$	4,946	\$ -
Research And Development Cluster	43.001	Science		Pass Through	TECHNOLOGY JET PROPULSION LAB SPACE TELESCOPE SCIENCE	HST-AR-12830.001-A	\$	17,274	\$ -
Research And Development Cluster	43.001	Science		Pass Through	INSTITUTE UNIVERSITY OF CALIFORNIA,	2090 G WA775	\$	12	
Research And Development Cluster	43.001	Science		Pass Through	LOS ANGELES UNIVERSITY OF KANSAS	FY2016-120-M5	\$	128,860	
Research And Development Cluster	43.001	Science		Pass Through	UNIVERSITY OF NORTH	5106982	\$	137,088	
Research And Development Cluster Research And Development Cluster	43.001 Total 43.003	Exploration	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	Pass Through	CAROLINA AT CHAPEL HILL BAYLOR COLLEGE OF MEDICINE	T0105	\$ \$	553,790 64,306	
Research And Development Cluster	43.003 Total			-			\$	64,306	s -
Research And Development Cluster	43.007	Space Operations	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	Direct		NNX15AL13G	\$	141,420	

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Cluster	CFDA Number	CFDA Program Title	Federal Agency Highest Level	Direct or Pass Through	Pass Through Entity	Grant Number			Sub-recipient Expenditures
Research And Development Cluster	43.007	Space Operations	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	Pass Through	TEXAS A&M UNIVERSITY	C3411	\$	1,407	\$ -
Research And Development Cluster Research And Development Cluster	43.007 Total 43.008	Education	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	Pass Through	PURDUE UNIVERSITY	12000145-172	\$ \$		\$ 44,688 \$ -
Research And Development Cluster	43.008	Education	TWITTON E MENOTING THE STATE MENTING	Pass Through	PURDUE UNIVERSITY	12000145-201	\$	4,347	\$ -
Research And Development Cluster Research And Development Cluster	43.008 Total 45.024	Promotion of the Arts Grants to Organizations and Individuals	NATIONAL ENDOWMENT FOR THE ARTS	Direct		17-3800-7015	\$		\$ - \$ -
Research And Development Cluster	45.024	Promotion of the Arts Grants to Organizations and Individuals Promotion of the Arts Grants to Organizations and Individuals	NATIONAL ENDOWMENT FOR THE ARTS	Direct		1830737-55-18	\$		\$ - \$ -
Research And Development Cluster	45.024	Promotion of the Arts Grants to Organizations and Individuals		Direct		1844331-38-C-18	\$	31,957	
Research And Development Cluster Research And Development Cluster	45.024 Total 45.025	Promotion of the Arts Partnership Agreements	NATIONAL ENDOWMENT FOR THE ARTS	Pass Through	INDIANA ARTS COMMISSION	FY19 Support for Children and	\$ \$	99,756 5,000	
		Tromotion of the Arts Farthership Agreements	NATIONAL ENDOWNERT FOR THE ARTS	rass milougii	INDIANA ARTS COMMISSION	Family Series Programming	•		
Research And Development Cluster	45.025 Total	Book of the University of the University	NATIONAL PARCOUNTAIN FOR THE HUMANITIES	David Thomas	INDIANA UURAANITIES SOURISII		\$	5,000	
Research And Development Cluster	45.129	Promotion of the Humanities Federal/State Partnership	NATIONAL ENDOWMENT FOR THE HUMANITIES	Pass Through	INDIANA HUMANITIES COUNCIL	17-3014	\$	1,286	-
Research And Development Cluster	45.129	Promotion of the Humanities Federal/State Partnership		Pass Through	INDIANA HUMANITIES COUNCIL	18-1017	\$	2,000	\$ -
Research And Development Cluster	45.129	Promotion of the Humanities Federal/State Partnership		Pass Through	INDIANA HUMANITIES COUNCIL	18-1019	\$	2,000	٠.
Research And Development cluster	43.127	Tromotion of the Humanities redefail/state rathership		r ass mrough	INDIANA HOMANTTES COUNCIE	10-1017	•	2,000	-
Research And Development Cluster	45.129	Promotion of the Humanities Federal/State Partnership		Pass Through	INDIANA HUMANITIES COUNCIL	18-3017	\$	1,032	\$ -
Research And Development Cluster	45.129 Total						s	6,318	s -
Research And Development Cluster	45.149	Promotion of the Humanities Division of Preservation and Access	NATIONAL ENDOWMENT FOR THE HUMANITIES	Direct		PW-234786-16	\$	50,007	\$ 10,422
Research And Development Cluster Research And Development Cluster	45.149 45.149 Total	Promotion of the Humanities Division of Preservation and Access		Direct		PW-259047-18	\$ \$	40,745 90,752	
Research And Development Cluster	45.160	Promotion of the Humanities Fellowships and Stipends	NATIONAL ENDOWMENT FOR THE HUMANITIES	Direct		FA-252136-17	\$		\$ -
Research And Development Cluster	45.160 Total	Brown Part of the University of Browning	NATIONAL ENDOUGHENT FOR THE HUMANITIES	Di		DO 0000/F 45	\$		s -
Research And Development Cluster Research And Development Cluster	45.161 45.161	Promotion of the Humanities Research Promotion of the Humanities Research	NATIONAL ENDOWMENT FOR THE HUMANITIES	Direct Direct		RQ-230265-15 RQ-50880-14	\$ \$		\$ - \$ -
Research And Development Cluster	45.161 Total						\$	60,376	\$ -
Research And Development Cluster	45.164 45.164 Total	Promotion of the Humanities Public Programs	NATIONAL ENDOWMENT FOR THE HUMANITIES	Pass Through	VALPARAISO UNIVERSITY	26-0399221-1	\$	12,182 12,182	\$ -
Research And Development Cluster Research And Development Cluster	45.169	Promotion of the Humanities Office of Digital Humanities	NATIONAL ENDOWMENT FOR THE HUMANITIES	Direct		HAA-261249-18	\$	15,378	
Research And Development Cluster	45.169	Promotion of the Humanities Office of Digital Humanities		Direct		HD-248405-16	\$	4,257	\$ -
Research And Development Cluster Research And Development Cluster	45.169 Total 45.312	National Leadership Grants	Institute of Museum and Library Services	Direct		LG-71-17-0094-17	\$ \$		\$ - \$ 9,429
Research And Development Cluster	45.312	National Leadership Grants	mistrate of Museum and Library Services	Direct		LG-72-17-0034-17	\$		\$ 7,427
Research And Development Cluster	45.312	National Leadership Grants		Direct		LG-96-17-0184-17	\$		s -
Research And Development Cluster Research And Development Cluster	45.312 45.312	National Leadership Grants National Leadership Grants		Direct Direct		LG-96-18-0044-18 LG-99-17-0025-17	\$ \$	167,553 3,909	\$ 54,487 \$ -
Research And Development Cluster	45.312	National Leadership Grants		Pass Through	ALEXANDRIA ARCHIVE	20 77 17 0023 17	\$	6,925	
Research And Development Cluster	45.312	National Leadership Grants		Pass Through	INSTITUTE VIRGINIA POLYTECHNIC	545247-19525	s	16,870	¢
Research And Development Cluster	45.312	National Leadership Grants		Pass Iniough	INSTITUTE & STATE UNIVERSITY		\$	10,670	-
Research And Development Cluster Research And Development Cluster	45.312 Total 45.313	Laura Bush 21st Century Librarian Program	Institute of Museum and Library Services	Direct		RE-02-14-0023-14	\$ \$	328,844 15,582	
Research And Development Cluster	45.313	Laura Bush 21st Century Librarian Program	mattere of measure and Elevery Services	Pass Through	UNIVERSITY OF ILLINOIS AT	077281,15574^2015-02117-01	\$	22,278	
Research And Development Cluster	45.313 Total				URBANA-CHAMPAIGN		\$	37,860	•
Research And Development Cluster	47.041	Engineering Grants	NATIONAL SCIENCE FOUNDATION	Direct		CBET-1511645	\$	(1,143)	
Research And Development Cluster	47.041	Engineering Grants		Direct		CBET-1554078	\$	87,048	\$ -
Research And Development Cluster Research And Development Cluster	47.041 47.041	Engineering Grants Engineering Grants		Direct Direct		CBET-1603847 CBET-1604617	\$ \$	67,245 145,659	\$ - \$ -
Research And Development Cluster	47.041	Engineering Grants		Direct		CBET-1610712	\$		\$ -
Research And Development Cluster	47.041	Engineering Grants		Direct		CBET-1705384	\$	30,575	
Research And Development Cluster Research And Development Cluster	47.041 47.041	Engineering Grants Engineering Grants		Direct Direct		CBET-1726642 CBET-1803262	\$	160,536 49,024	\$ - \$ -
Research And Development Cluster	47.041	Engineering Grants		Direct		CBET-1803440	\$	92,516	\$ -
Research And Development Cluster Research And Development Cluster	47.041 47.041	Engineering Grants Engineering Grants		Direct Direct		CBET-1803845 CMMI-1552487	\$ \$		\$ - \$ -
Research And Development Cluster	47.041	Engineering Grants		Direct		CMMI-1562357	\$		\$ -
Research And Development Cluster	47.041	Engineering Grants		Direct		CMMI-1643116	\$	16,130	s -
Research And Development Cluster Research And Development Cluster	47.041 47.041	Engineering Grants Engineering Grants		Direct Direct		CMMI-1923799 CMMI-1924413	\$ \$		\$ - \$ -
Research And Development Cluster	47.041	Engineering Grants		Direct		ECCS-1711521	\$	76,460	\$ -
Research And Development Cluster Research And Development Cluster	47.041 47.041	Engineering Grants		Direct Direct		EEC-1406995	\$	71,178	\$ - \$ -
Research And Development Cluster	47.041	Engineering Grants Engineering Grants		Direct		EEC-1659688 EEC-1720625	\$	103,369 868,071	
Research And Development Cluster	47.041	Engineering Grants		Direct		IIP-1747750	\$	12,216	s -
Research And Development Cluster Research And Development Cluster	47.041 47.041	Engineering Grants Engineering Grants		Direct Direct		IIP-1826693 IIP-1830782	\$ \$	22,763 15,915	
Research And Development Cluster	47.041	Engineering Grants		Direct		IIP-1841482	\$		\$ -
Research And Development Cluster	47.041	Engineering Grants		Pass Through	FLORIDA STATE UNIVERSITY	R01806A	\$		s -
Research And Development Cluster Research And Development Cluster	47.041 47.041	Engineering Grants Engineering Grants		Pass Through Pass Through	PURDUE UNIVERSITY STAR VOLTAIC	10001047-004	\$ \$		\$ - \$ -
Research And Development Cluster	47.041	Engineering Grants		Pass Through	UNIVERSITY OF CENTRAL	18356003-01	\$	10,883	\$ -
Research And Development Cluster	47.041	Engineering Grants		Pass Through	FLORIDA UNIVERSITY OF LOUISVILLE	16-1120-02/1639609	•	5,816	٠ .
Research And Development Cluster	47.041 Total	Engineering drants		r ass mrough	UNIVERSITY OF EGGISVIELE	10-1120-02/103/00/	\$ 2	2,217,163	
Research And Development Cluster	47.049	Mathematical and Physical Sciences	NATIONAL SCIENCE FOUNDATION	Direct		DMS-1837155	\$	12,412	
Research And Development Cluster Research And Development Cluster	47.049 47.049	Mathematical and Physical Sciences Mathematical and Physical Sciences		Direct Direct		DMS-1854608 AST-1412673	\$	15,006 35	
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		AST-1615483	\$	77,441	\$ -
Research And Development Cluster	47.049	Mathematical and Physical Sciences Mathematical and Physical Sciences		Direct		AST-1806522 CHF-1254783	\$	4,745	
Research And Development Cluster Research And Development Cluster	47.049 47.049	Mathematical and Physical Sciences Mathematical and Physical Sciences		Direct Direct		CHE-1254783 CHE-1350541	\$	6,572 188,599	
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		CHE-1454184		(153,805)	\$ -
Research And Development Cluster Research And Development Cluster	47.049 47.049	Mathematical and Physical Sciences Mathematical and Physical Sciences		Direct Direct		CHE-1460720 CHE-1507341	\$ \$	51,321 (1,245)	
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		CHE-1531823		124,046	
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		CHE-1554760	\$	82,711	\$ -
Research And Development Cluster Research And Development Cluster	47.049 47.049	Mathematical and Physical Sciences Mathematical and Physical Sciences		Direct Direct		CHE-1566258 CHE-1602476	\$ \$	99,011 125,626	\$ - \$ -
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		CHE-1609672	\$	210,789	\$ 104,627
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		CHE-1609752	\$	130,658	s -

Cluster	CFDA Number	CFDA Program Title	Federal Agency Highest Level	Direct or Pass	Pass Through Entity	Grant Number	Federal	Sub-recipient
Research And Development Cluster	47.049	Mathematical and Physical Sciences	NATIONAL SCIENCE FOUNDATION	Through Direct	· ···· g.····· ,	CHE-1610984	\$ 169,021	Expenditures §
Research And Development Cluster	47.049	Mathematical and Physical Sciences	Williams Soletion Foodbillion	Direct		CHE-1664965	\$ 210,308	
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		CHE-1665336	\$ 124,421	
Research And Development Cluster	47.049 47.049	Mathematical and Physical Sciences		Direct Direct		CHE-1665356	\$ 129,605	\$ - \$ -
Research And Development Cluster Research And Development Cluster	47.049	Mathematical and Physical Sciences Mathematical and Physical Sciences		Direct		CHE-1665427 CHE-1709625	\$ 99,721 \$ 82,390	
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		CHE-1709909	\$ 191,645	
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		CHE-1726633	\$ (5,076)	
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		CHE-1764264	\$ 69,920	
Research And Development Cluster Research And Development Cluster	47.049 47.049	Mathematical and Physical Sciences Mathematical and Physical Sciences		Direct Direct		CHE-1808027 CHE-1808133	\$ 112,266 \$ 118.301	\$ -
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		CHE-1839154	\$ 121,074	\$ -
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		DMR-1350663	\$ 70,125	\$ -
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		DMR-1452390	\$ 71,989	\$ -
Research And Development Cluster Research And Development Cluster	47.049 47.049	Mathematical and Physical Sciences Mathematical and Physical Sciences		Direct Direct		DMR-1506263 DMR-1506460	\$ 15,399 \$ 69,658	\$ -
Research And Development Cluster Research And Development Cluster	47.049	Mathematical and Physical Sciences Mathematical and Physical Sciences		Direct		DMR-1506460 DMR-1507282	\$ 69,658 \$ 111.752	\$ -
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		DMR-1533988	\$ 408.512	
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		DMR-1608711	\$ 167,435	\$ -
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		DMR-1747582	\$ 26,746	
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		DMR-1753182	\$ 61,866	
Research And Development Cluster Research And Development Cluster	47.049 47.049	Mathematical and Physical Sciences Mathematical and Physical Sciences		Direct Direct		DMR-1809027 DMR-1914451	\$ 120,079 \$ 30,535	
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		DMS-1308291	\$ (3,066)	
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		DMS-1348589	\$ 98,313	
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		DMS-1362879		\$ -
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		DMS-1362954	\$ 18,691	\$ -
Research And Development Cluster Research And Development Cluster	47.049 47.049	Mathematical and Physical Sciences Mathematical and Physical Sciences		Direct Direct		DMS-1401419 DMS-1407439	\$ 19,801 \$ (814)	
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		DMS-1454767	\$ (814) \$ 124,330	
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		DMS-1461061	\$ 27,532	
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		DMS-1500400	\$ 1,646	
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		DMS-1500461	\$ 36,187	\$ -
Research And Development Cluster Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		DMS-1501052	\$ 5,631	
Research And Development Cluster Research And Development Cluster	47.049 47.049	Mathematical and Physical Sciences Mathematical and Physical Sciences		Direct Direct		DMS-1505579 DMS-1505586	\$ (2,249) \$ 9,903	
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		DMS-1505386		s -
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		DMS-1510249	\$ 11,166	\$ -
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		DMS-1515024	\$ 25,697	\$ -
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		DMS-1522554	\$ 56,823	
Research And Development Cluster Research And Development Cluster	47.049 47.049	Mathematical and Physical Sciences Mathematical and Physical Sciences		Direct Direct		DMS-1559745 DMS-1565602	\$ 50,195 \$ 103,889	S -
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		DMS-1607041	\$ 9,781	s -
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		DMS-1615056	\$ 23,416	
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		DMS-1654019	\$ 34,408	
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		DMS-1664358	\$ 101,084	
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		DMS-1700261	\$ 68,661	
Research And Development Cluster Research And Development Cluster	47.049 47.049	Mathematical and Physical Sciences Mathematical and Physical Sciences		Direct Direct		DMS-1700279 DMS-1702152	\$ 34,579 \$ 29,516	
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		DMS-1702323	\$ 42,923	s -
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		DMS-1737996	\$ 25,435	\$ -
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		DMS-1745012	\$ 849	\$ -
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		DMS-1753171	\$ 49,800	\$ -
Research And Development Cluster Research And Development Cluster	47.049 47.049	Mathematical and Physical Sciences Mathematical and Physical Sciences		Direct Direct		DMS-1757857 DMS-1764248	\$ 24,888 \$ 47.852	s -
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		DMS-1764280	\$ 23,884	
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		DMS-1800305	\$ 50,104	
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		DMS-1811820	\$ 98,733	
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		DMS-1813819	\$ 43,115	
Research And Development Cluster Research And Development Cluster	47.049 47.049	Mathematical and Physical Sciences Mathematical and Physical Sciences		Direct Direct		DMS-1818754 DMS-1821157	\$ 23,230 \$ 15,121	\$ -
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		DMS-1839167	\$ 26.806	\$ -
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		DMS-1850620	\$ 30,000	\$ -
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		DMS-1852146	\$ 9,162	
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		DMS-1853303	\$ 4,720	\$ -
Research And Development Cluster Research And Development Cluster	47.049 47.049	Mathematical and Physical Sciences Mathematical and Physical Sciences		Direct Direct		DMS-1855417 DMS-1917319	\$ 46,983 \$ 16,786	ş - S -
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		PHY-1352368	\$ 15,733	
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		PHY-1415459	\$ 19,217	\$ 9,972
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		PHY-1504778	\$ 49,331	\$ -
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		PHY-1509176	\$ (2,196)	
Research And Development Cluster Research And Development Cluster	47.049 47.049	Mathematical and Physical Sciences Mathematical and Physical Sciences		Direct Direct		PHY-1607360 PHY-1607390	\$ 94,123 \$ 26,649	
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		PHY-1614545	\$ 2,174,613	
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		PHY-1707985	\$ 28,001	
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		PHY-1707986	\$ 75,235	\$ -
Research And Development Cluster Research And Development Cluster	47.049 47.049	Mathematical and Physical Sciences Mathematical and Physical Sciences		Direct Direct		PHY-1708120 PHY-1714135	\$ 71,648 \$ 305	\$ - \$ -
Research And Development Cluster Research And Development Cluster	47.049	Mathematical and Physical Sciences Mathematical and Physical Sciences		Direct		PHY-1714135 PHY-1714253	\$ 97.642	*
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		PHY-1757646	\$ 101,062	
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		PHY-1806425	\$ 91,782	\$ -
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Direct		PHY-1806757	\$ 115,607	
Research And Development Cluster Research And Development Cluster	47.049 47.049	Mathematical and Physical Sciences Mathematical and Physical Sciences		Direct Direct		PHY-1828512 PHY-1828609	\$ 144,215 \$ 126,744	
Research And Development Cluster Research And Development Cluster	47.049 47.049	Mathematical and Physical Sciences Mathematical and Physical Sciences		Direct		PHY-1828609 PHY-1913729	\$ 126,744 \$ 29,463	
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Pass Through	EMORY UNIVERSITY	A022626	\$ 92,612	
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Pass Through	LOUISIANA STATE UNIVERSITY	PO-000090389	\$ 6,284	
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Research And Development Cluster Research And Development Cluster	47.049 47.049	Mathematical and Physical Sciences Mathematical and Physical Sciences		Pass Through	STONY BROOK UNIVERSITY UNIVERSITY AT BUFFALO - SUNY	76749/1136652/2 / poopo63	\$ 10,041 \$ 6.713	
research And Development Cluster	47.049	watrematical and Physical Sciences		Pass Through	UNIVERSITY AT BUFFALU - SUN	R777703	\$ 6,713	-
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Pass Through	UNIVERSITY OF CHICAGO	FP052629	\$ 6,779	
Research And Development Cluster	47.049	Mathematical and Physical Sciences		Pass Through	UNIVERSITY OF CHICAGO	FP062802-A (76749/1136652/2)	\$ 157,692	\$ -

Cluster CFDA Numbe		CFDA Program Title	Federal Agency Highest Level	Direct or Pass Through	Pass Through Entity	Grant Number	Federal Expenditures	Sub-recipien Expenditures
esearch And Development Cluster	47.049	Mathematical and Physical Sciences	NATIONAL SCIENCE FOUNDATION	Pass Through	UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN	057930-16988	\$ 19,847	
esearch And Development Cluster	47.049	Mathematical and Physical Sciences		Pass Through	UNIVERSITY OF NEBRASKA	28-0521-0199-002	\$ 86,623	
esearch And Development Cluster	47.049	Mathematical and Physical Sciences		Pass Through	UNIVERSITY OF WISCONSIN	447K963	\$ 76,103	
esearch And Development Cluster	47.049 Total	0	NATIONAL COLEMOS FOUNDATION	Discont		100 1050075	\$ 8,745,945	
esearch And Development Cluster esearch And Development Cluster	47.050	Geosciences	NATIONAL SCIENCE FOUNDATION	Direct			\$ 74,196	
	47.050 47.050	Geosciences		Direct		AGS-1440834	\$ 10,722 \$ 6.655	
search And Development Cluster search And Development Cluster	47.050	Geosciences Geosciences		Direct Direct		AGS-1805617 AGS-1813981	\$ 6,655 \$ 66,046	
search And Development Cluster	47.050	Geosciences		Direct		AGS-1813761 AGS-1827450	\$ 148,653	
search And Development Cluster	47.050	Geosciences		Direct		EAR-1338298	\$ 13.874	
search And Development Cluster	47.050	Geosciences		Direct		EAR-1405072	\$ 32,115	
search And Development Cluster	47.050	Geosciences		Direct		EAR-1424228	\$ 8.885	
search And Development Cluster	47.050	Geosciences		Direct		EAR-1426997	\$ 23,181	
search And Development Cluster	47.050	Geosciences		Direct		FAR-1505309	\$ 48.875	
search And Development Cluster	47.050	Geosciences		Direct		EAR-1522926	\$ 49,585	
search And Development Cluster	47.050	Geosciences		Direct		EAR-1526894	\$ 2,645	
search And Development Cluster	47.050	Geosciences		Direct		EAR-1554894	\$ 37,018	
search And Development Cluster	47.050	Geosciences		Direct		EAR-1560933	\$ 55,094	
search And Development Cluster	47.050	Geosciences		Direct		EAR-1562055	\$ 9,083	
search And Development Cluster	47.050	Geosciences		Direct		EAR-1620507	\$ 13,619	
earch And Development Cluster	47.050	Geosciences		Direct		EAR-1652293	\$ 182,034	\$
earch And Development Cluster	47.050	Geosciences		Direct		EAR-1664553	\$ 10,741	\$
earch And Development Cluster	47.050	Geosciences		Direct		EAR-1727139	\$ 69,379	\$
search And Development Cluster	47.050	Geosciences		Direct			\$ 97,434	
search And Development Cluster	47.050	Geosciences		Direct		EAR-1745734	\$ 117,605	\$
search And Development Cluster	47.050	Geosciences		Direct		EAR-1822524	\$ 25,947	
search And Development Cluster	47.050	Geosciences		Direct		EAR-1851684	\$ 10,549	\$
earch And Development Cluster	47.050	Geosciences		Direct		ICER-1701132	\$ 137,728	
earch And Development Cluster	47.050	Geosciences		Direct		ICER-1849401	\$ 11,831	
earch And Development Cluster	47.050	Geosciences		Direct		OCE-1558830	\$ 29,931	\$
earch And Development Cluster	47.050	Geosciences		Direct		OPP-1319663	\$ 150,067	\$
earch And Development Cluster	47.050	Geosciences		Direct		OPP-1744879	\$ 132,647	\$
earch And Development Cluster	47.050	Geosciences		Direct		PLR-1319663	\$ 59,236	\$
earch And Development Cluster	47.050	Geosciences		Direct		PLR-1342251	\$ 8,083	\$
earch And Development Cluster	47.050	Geosciences		Direct		PLR-1443342	\$ 9,071	
search And Development Cluster	47.050	Geosciences		Direct		PLR-1443433	\$ 15,876	\$
search And Development Cluster	47.050	Geosciences		Direct		PLR-1541814	\$ 6,379	\$
earch And Development Cluster	47.050	Geosciences		Pass Through	UNIVERSITY OF ARIZONA	458593	\$ 15,605	\$
earch And Development Cluster	47.050	Geosciences		Pass Through	UNIVERSITY OF GEORGIA	SUB00000049 (formerly RR100-	\$ 81,245	\$
earch And Development Cluster	47.050	Geosciences		Pass Through	UNIVERSITY OF ILLINOIS	621/4353888) 2013-04254-07^072212-14708	\$ 52,491	\$
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earch And Development Cluster earch And Development Cluster	47.050 47.050	Geosciences Geosciences		Pass Through Pass Through	UNIVERSITY OF NEBRASKA UNIVERSITY OF TEXAS AT AUSTIN	25-0514-0139-002 UTA12-000579	\$ 5 \$ 1	\$
esearch And Development Cluster	47.050 Total						\$ 1,824,131	\$ 28,58
search And Development Cluster	47.070	Computer and Information Science and Engineering	NATIONAL SCIENCE FOUNDATION	Direct			\$ 1,075,932	
search And Development Cluster	47.070	Computer and Information Science and Engineering		Direct		OAC-1450934	\$ 706,389	
search And Development Cluster	47.070	Computer and Information Science and Engineering		Direct			\$ 1,017,817	
search And Development Cluster	47.070	Computer and Information Science and Engineering		Direct		OAC-1638863	\$ 841,256	
search And Development Cluster	47.070	Computer and Information Science and Engineering		Direct		ACI-1339774	\$ 378.637	\$
search And Development Cluster	47.070	Computer and Information Science and Engineering		Direct		ACI-1445604	\$ 173,576	\$
search And Development Cluster	47.070	Computer and Information Science and Engineering		Direct		ACI-1445604 ACI-1541401	\$ 173,576 \$ 5,976	\$ \$
earch And Development Cluster earch And Development Cluster	47.070 47.070	Computer and Information Science and Engineering Computer and Information Science and Engineering		Direct Direct		ACI-1445604 ACI-1541401 ACI-1547099	\$ 173,576 \$ 5,976 \$ 32,428	\$ \$ \$
earch And Development Cluster earch And Development Cluster earch And Development Cluster	47.070 47.070 47.070	Computer and Information Science and Engineering Computer and Information Science and Engineering Computer and Information Science and Engineering		Direct Direct Direct		ACI-1445604 ACI-1541401 ACI-1547099 ACI-1547272	\$ 173,576 \$ 5,976 \$ 32,428 \$ 13,262	\$ \$ \$ \$
earch And Development Cluster earch And Development Cluster earch And Development Cluster earch And Development Cluster	47.070 47.070 47.070 47.070	Computer and Information Science and Engineering Computer and Information Science and Engineering Computer and Information Science and Engineering Computer and Information Science and Engineering		Direct Direct Direct Direct		ACI-1445604 ACI-1541401 ACI-1547099 ACI-1547272 ACI-1642070	\$ 173,576 \$ 5,976 \$ 32,428 \$ 13,262 \$ 165,426	\$ \$ \$ \$
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earch And Development Cluster earch And Development Cluster	47.070 47.070 47.070 47.070 47.070 47.070	Computer and Information Science and Engineering Computer and Information Science and Engineering		Direct Direct Direct Direct Direct Direct		ACI-1445604 ACI-1541401 ACI-1547099 ACI-1547272 ACI-1642070 ACI-1642101 ACI-1659310	\$ 173,576 \$ 5,976 \$ 32,428 \$ 13,262 \$ 165,426 \$ 74,666 \$ 13,584	\$ \$ \$ \$ \$ \$
earch And Development Cluster earch And Development Cluster	47.070 47.070 47.070 47.070 47.070 47.070 47.070	Computer and Information Science and Engineering Computer and Information Science and Engineering		Direct Direct Direct Direct Direct Direct Direct Direct Direct		ACI-1445604 ACI-1541401 ACI-1547099 ACI-1547272 ACI-1642070 ACI-1642101 ACI-1659310 CCF-1453508	\$ 173,576 \$ 5,976 \$ 32,428 \$ 13,262 \$ 165,426 \$ 74,666 \$ 13,584 \$ 82,093	\$ \$ \$ \$ \$ \$ \$ \$
earch And Development Cluster earch And Development Cluster	47.070 47.070 47.070 47.070 47.070 47.070 47.070 47.070	Computer and Information Science and Engineering Computer and Information Science and Engineering		Direct Direct Direct Direct Direct Direct Direct		ACI-1445604 ACI-15471401 ACI-1547099 ACI-1547272 ACI-1642070 ACI-1642101 ACI-1659310 CCF-1453508 CCF-1525024	\$ 173,576 \$ 5,976 \$ 32,428 \$ 13,262 \$ 165,426 \$ 74,666 \$ 13,584 \$ 82,093 \$ 48,049	\$ \$ \$ \$ \$ \$ \$ \$
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earch And Development Cluster	47,070 47,070 47,070 47,070 47,070 47,070 47,070 47,070 47,070 47,070 47,070 47,070 47,070 47,070 47,070 47,070 47,070 47,070 47,070 47,070 47,070 47,070 47,070 47,070 47,070 47,070 47,070 47,070 47,070 47,070 47,070 47,070	Computer and Information Science and Engineering		Direct		ACI-1445604 ACI-1541401 ACI-15417099 ACI-1547272 ACI-1642707 ACI-1642707 ACI-16429310 CCF-1453508 CCF-1659310 CCF-1657477 CCF-1757636 CCF-1757636 CCF-17576392 CCF-1844460 CNS-1252697 CNS-1408730 CNS-1408730 CNS-1408874	\$ 173,576 \$ 5,976 \$ 32,428 \$ 13,262 \$ 165,426 \$ 74,666 \$ 13,584 \$ 82,093 \$ 48,049 \$ 179,843 \$ 29,994 \$ 118,577 \$ 87,765 \$ 153,675 \$ 153,675 \$ 153,675 \$ 155,682 \$ 200,235 \$ 165,582 \$ 165,889	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
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earch And Development Cluster sarch	47, 070 47, 070 47, 070 47, 070 47, 070 47, 070 47, 070 47, 070 47, 070 47, 070 47, 070 47, 070 47, 070 47, 070 47, 070 47, 070 47, 070 47, 070 47, 070 47, 070 47, 070 47, 070 47, 070 47, 070 47, 070 47, 070 47, 070 47, 070 47, 070 47, 070 47, 070 47, 070 47, 070 47, 070 47, 070 47, 070 47, 070 47, 070 47, 070 47, 070 47, 070	Computer and Information Science and Engineering		Direct		ACI-1445604 ACI-1547099 ACI-1547099 ACI-1547272 ACI-1642070 ACI-1642101 ACI-1659310 CCF-1453508 CCF-1555024 CCF-1657477 CCF-1725679 CCF-1757636 CCF-1763922 CCF-184460 CNS-1252697 CNS-1320132 CNS-1408873 CNS-1408873 CNS-1408730 CNS-1527141	\$ 173,576 \$ 1,576 \$ 32,428 \$ 13,262 \$ 165,426 \$ 74,666 \$ 31,584 \$ 13,584 \$ 12,093 \$ 48,049 \$ 179,843 \$ 29,994 \$ 18,577 \$ 87,765 \$ 153,675 \$ 79,568 \$ 200,235 \$ 165,182 \$ 165,82 \$	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
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Cluster	CFDA Number	CFDA Program Title	Federal Agency Highest Level	Direct or Pass Through	Pass Through Entity	Grant Number	Federal Expenditures	Sub-recipient Expenditures
Research And Development Cluster	47.070	Computer and Information Science and Engineering	NATIONAL SCIENCE FOUNDATION	Direct		CNS-1850725		
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Direct		CNS-1852105	\$ 25,649	
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Direct		CNS-1852294	\$ 3,152	
Research And Development Cluster Research And Development Cluster	47.070 47.070	Computer and Information Science and Engineering Computer and Information Science and Engineering		Direct Direct		IIS-1252648 IIS-1253549	\$ 44,675 \$ 89,731	
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Direct		IIS-1324047	\$ 34.687	
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Direct		IIS-1343973	\$ (518)	
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Direct		IIS-1502310	\$ 108,509	
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Direct		IIS-1513604	\$ 97,400	
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Direct		IIS-1513779	\$ 213,212	\$ -
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Direct		IIS-1522945	\$ 77,282	\$ 29,374
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Direct		IIS-1524647	\$ 113,211	
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Direct		IIS-1526473	\$ 81,037	
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Direct		IIS-1529415	\$ (58)	
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Direct		IIS-1553398	\$ 5,601	
Research And Development Cluster	47.070 47.070	Computer and Information Science and Engineering		Direct Direct		IIS-1566186 IIS-1566219	\$ 22,372 \$ 1.820	
Research And Development Cluster Research And Development Cluster	47.070	Computer and Information Science and Engineering Computer and Information Science and Engineering		Direct		IIS-1617611	\$ 1,820 \$ 132,102	
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Direct		IIS-1628918	\$ 132,102 \$ 110.851	
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Direct		IIS-1633215	\$ 133,069	
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Direct		IIS-1636893	\$ 45,628	
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Direct		IIS-1718121	\$ 101,607	
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Direct		IIS-1724008	\$ 95,015	
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Direct		IIS-1755611	\$ 89,237	
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Direct		IIS-1755836	\$ 62,004	\$ -
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Direct		IIS-1755844	\$ 98,451	\$ -
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Direct		IIS-1812943	\$ 8,061	\$ -
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Direct		IIS-1814725	\$ 33,365	
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Direct		IIS-1838083	\$ 19,875	
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Direct		IIS-1839966	\$ 83,575	
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Direct		IIS-1845964	\$ 13,914	
Research And Development Cluster Research And Development Cluster	47.070	Computer and Information Science and Engineering Computer and Information Science and Engineering		Direct		IIS-1848898	\$ 27,106	
Research And Development Cluster Research And Development Cluster	47.070 47.070	Computer and Information Science and Engineering Computer and Information Science and Engineering		Direct Direct		IIS-1850269 IIS-1850273	\$ 1,637 \$ 21,407	
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Direct		IIS-1906694	\$ 24,383	
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Direct		OAC -1445604	\$ 802,433	
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Direct		OAC-1443054	\$ 792,514	
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Direct		OAC-1445604	\$ 505,574	
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Direct		OAC-1547272	\$ 2,270,964	
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Direct		OAC-1642101	\$ 4,000	
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Direct		OAC-1730115	\$ 40,525	\$ -
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Direct		OAC-1823385	\$ 31,272	\$ -
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Direct		OAC-1826994	\$ 432,410	
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Direct		OAC-1829704	\$ 60,926	
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Direct		OAC-1835631	\$ 25,353	
Research And Development Cluster	47.070 47.070	Computer and Information Science and Engineering		Direct		OAC-1835817	\$ 49,648 \$ 67.875	
Research And Development Cluster Research And Development Cluster	47.070 47.070	Computer and Information Science and Engineering		Direct Direct		OAC-1839013 OAC-1839746	,	
Research And Development Cluster	47.070	Computer and Information Science and Engineering Computer and Information Science and Engineering		Direct		OAC-1840003	\$ 33,114 \$ 71,773	
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Direct		OAC-1840034	\$ 661,317	
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Direct		OAC-1842623	\$ 64,451	
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Direct		IIS-1852294	\$ 47,738	
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Pass Through	GEORGIA INSTITUTE OF	RD199-G14	\$ 18,124	
		,		ŭ.	TECHNOLOGY			
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Pass Through	INTERNET2		\$ 5,108	
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Pass Through	NORTHEASTERN UNIVERSITY	502268-78050	\$ 20,476	
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Pass Through	NORTHEASTERN UNIVERSITY	502648-78052	\$ 25,909	
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Pass Through	PRINCETON UNIVERSITY	SUB0000274	\$ 71,383	
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Pass Through	RENSSELAER POLYTECHNIC	A12551	\$ 84,554	\$ -
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Pass Through	INSTITUTE UNIVERSITY AT BUFFALO - SUNY	R965418	\$ 126,155	\$ -
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Pass Through	UNIVERSITY OF CALIFORNIA,	33529192	\$ 46,409	\$ -
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Pass Through	SAN DIEGO UNIVERSITY OF CALIFORNIA,	64723598	\$ 275,526	\$.
				_	SAN DIEGO			
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Pass Through	UNIVERSITY OF CALIFORNIA, SAN DIEGO	77840127	\$ 400,956	
Research And Development Cluster Research And Development Cluster	47.070 47.070	Computer and Information Science and Engineering Computer and Information Science and Engineering		Pass Through Pass Through	UNIVERSITY OF ILLINOIS UNIVERSITY OF ILLINOIS AT	15742 083842-16148	\$ 67,841 \$ 1,058,804	
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Research And Development Cluster	47.070	Computer and Information Science and Engineering		Pass Through	UNIVERSITY OF MICHIGAN	3003646554	\$ 69,505	s -
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Pass Through	UNIVERSITY OF NORTH	5107311	\$ 18,926	
		,			CAROLINA AT CHAPEL HILL			
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Pass Through	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	5111398	\$ 34,441	\$ -
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Pass Through	UNIVERSITY OF SOUTHERN	110290699	\$ 17,870	\$ -
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Pass Through	CALIFORNIA UNIVERSITY OF TEXAS AT	UTA14-000006	\$ 56,463	\$ -
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Pass Through	AUSTIN UNIVERSITY OF TEXAS AT	UTA17-001237	\$ 140,585	\$ -
Research And Development Cluster	47.070	Computer and Information Science and Engineering		Pass Through	AUSTIN UNIVERSITY OF TEXAS AT	UTA18-001251	\$ 39,555	s -
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Research And Development Cluster	47.070 Total						\$ 18,611,421	
Research And Development Cluster	47.074	Biological Sciences	NATIONAL SCIENCE FOUNDATION	Direct		DBI-1252597	\$ 23	
Research And Development Cluster	47.074	Biological Sciences Biological Sciences		Direct		DBI-1458641	\$ 71,194 \$ 89,928	
Bosoarch And Dovolesment Chates	47.074	Biological Sciences Biological Sciences		Direct Direct		DBI-1460949 DBI-1564611	\$ 89,928 \$ 229,402	
Research And Development Cluster		Diological Sciences				DBI-1564806		
Research And Development Cluster	47.074 47.074							
	47.074	Biological Sciences		Direct Direct				
Research And Development Cluster Research And Development Cluster						DBI-1623870 DBI-1661156		\$ -
Research And Development Cluster Research And Development Cluster Research And Development Cluster	47.074 47.074	Biological Sciences Biological Sciences		Direct		DBI-1623870	\$ 922	\$ - \$ 53,287
Research And Development Cluster Research And Development Cluster Research And Development Cluster Research And Development Cluster	47.074 47.074 47.074	Biological Sciences Biological Sciences Biological Sciences		Direct Direct		DBI-1623870 DBI-1661156	\$ 922 \$ 210,604	\$ - \$ 53,287 \$ - \$ -

Cluster	CFDA Number	CFDA Program Title	Federal Agency Highest Level	Direct or Pass Through	Pass Through Entity	Grant Number	Federal Expenditures	Sub-recipient Expenditures
Research And Development Cluster	47.074	Biological Sciences	NATIONAL SCIENCE FOUNDATION	Direct		DEB-1353749	\$ (12)	
Research And Development Cluster	47.074	Biological Sciences		Direct		DEB-1353970	\$ 134,268	\$ -
Research And Development Cluster	47.074	Biological Sciences		Direct		DEB-1442246	\$ 125,854	
Research And Development Cluster	47.074	Biological Sciences		Direct		DEB-1457513	\$ 37,672	\$ -
Research And Development Cluster	47.074 47.074	Biological Sciences		Direct Direct		DEB-1552747 DEB-1655656	\$ 81,968 \$ 102.019	\$ -
Research And Development Cluster Research And Development Cluster	47.074	Biological Sciences Biological Sciences		Direct		DEB-1701617	\$ 102,019 \$ 11,773	
Research And Development Cluster	47.074	Biological Sciences		Direct		DEB-1701652	\$ 10,369	
Research And Development Cluster	47.074	Biological Sciences		Direct		DEB-1753629	\$ 11,630	
Research And Development Cluster	47.074	Biological Sciences		Direct		DEB-1754136	\$ 24,013	\$ -
Research And Development Cluster	47.074	Biological Sciences		Direct		DEB-1834255	\$ 24,731	\$ -
Research And Development Cluster	47.074	Biological Sciences		Direct		DEB-1856469	\$ 20,452	\$ -
Research And Development Cluster	47.074	Biological Sciences		Direct		DEB-1906465	\$ 721	
Research And Development Cluster Research And Development Cluster	47.074 47.074	Biological Sciences Biological Sciences		Direct Direct		IOS-1256689 IOS-1257474	\$ 58,787 \$ 10,461	
Research And Development Cluster	47.074	Biological Sciences		Direct		IOS-1257562	\$ (107)	
Research And Development Cluster	47.074	Biological Sciences		Direct		IOS-1353267	\$ 24,433	
Research And Development Cluster	47.074	Biological Sciences		Direct		IOS-1446310	\$ (1,668)	
Research And Development Cluster	47.074	Biological Sciences		Direct		IOS-1456298	\$ 114,060	
Research And Development Cluster	47.074	Biological Sciences		Direct		IOS-1456545	\$ 2,205	
Research And Development Cluster	47.074	Biological Sciences		Direct		IOS-1551452	\$ 20,533	
Research And Development Cluster Research And Development Cluster	47.074 47.074	Biological Sciences Biological Sciences		Direct Direct		IOS-1557873 IOS-1557935	\$ 55,447 \$ 89,145	
Research And Development Cluster	47.074	Biological Sciences		Direct		IOS-1601386	\$ (38)	
Research And Development Cluster	47.074	Biological Sciences		Direct		IOS-1645745	\$ 162,346	
Research And Development Cluster	47.074	Biological Sciences		Direct		IOS-1656109	\$ 139,682	
Research And Development Cluster	47.074	Biological Sciences		Direct		IOS-1656414	\$ 5,757	\$ -
Research And Development Cluster	47.074	Biological Sciences		Direct		IOS-1842685	\$ 122,902	
Research And Development Cluster	47.074	Biological Sciences		Direct		IOS-1901680	\$ 23,300	
Research And Development Cluster Research And Development Cluster	47.074 47.074	Biological Sciences Biological Sciences		Direct Direct		MCB-1515748 MCB-1552996	\$ 26,733 \$ 107,781	s -
Research And Development Cluster Research And Development Cluster	47.074 47.074	Biological Sciences Biological Sciences		Direct		MCB-1552996 MCB-1614514	\$ 107,781	-
Research And Development Cluster	47.074	Biological Sciences		Direct		MCB-1615907	\$ 211,390	
Research And Development Cluster	47.074	Biological Sciences		Direct		MCB-1749489	\$ 163,958	
Research And Development Cluster	47.074	Biological Sciences		Direct		MCB-1818187	\$ 127,231	
Research And Development Cluster	47.074	Biological Sciences		Pass Through	COLORADO STATE UNIVERSITY	G-4023-3	\$ 33,693	\$ -
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Research And Development Cluster Research And Development Cluster	47.074 47.074	Biological Sciences Biological Sciences		Pass Through Pass Through	CORNELL UNIVERSITY HOWARD UNIVERSITY	73662-10527 0008117-100053702	\$ 5,423 \$ 16,229	
Research And Development Cluster	47.074	Biological Sciences		Pass Through	MIAMI UNIVERSITY OF OHIO	G02462	\$ 16,229 \$ (383)	
Research And Development Cluster	47.074	Biological Sciences		Pass Through	PURDUE UNIVERSITY	10001048-004^4101-766656	\$ 29,571	
Research And Development Cluster	47.074	Biological Sciences		Pass Through	UNIVERSITY OF GEORGIA	RR272-671/S001367	\$ 35,861	
Research And Development Cluster	47.074	Biological Sciences		Pass Through	UNIVERSITY OF IDAHO	IMK901-SB-001	\$ 14,632	\$ -
Research And Development Cluster	47.074 Total						\$ 3,338,968	
Research And Development Cluster	47.075	Social, Behavioral, and Economic Sciences	NATIONAL SCIENCE FOUNDATION	Direct		BCS-1913737	\$ 40,820	
Research And Development Cluster	47.075	Social, Behavioral, and Economic Sciences		Direct Direct		BCS-1422329 BCS-1461746	\$ (4,127) \$ 26,488	
Research And Development Cluster Research And Development Cluster	47.075 47.075	Social, Behavioral, and Economic Sciences Social, Behavioral, and Economic Sciences		Direct		BCS-1523982	\$ (6,488)	
Research And Development Cluster	47.075	Social, Behavioral, and Economic Sciences		Direct		BCS-1560537	\$ (59)	
Research And Development Cluster	47.075	Social, Behavioral, and Economic Sciences		Direct		BCS-1623644	\$ 1,357	
Research And Development Cluster	47.075	Social, Behavioral, and Economic Sciences		Direct		BCS-1623873	\$ 104,968	\$ -
Research And Development Cluster	47.075	Social, Behavioral, and Economic Sciences		Direct		BCS-1723388	\$ 6,428	
Research And Development Cluster	47.075	Social, Behavioral, and Economic Sciences		Direct		BCS-1728451	\$ 1,610	s -
Research And Development Cluster Research And Development Cluster	47.075 47.075	Social, Behavioral, and Economic Sciences Social, Behavioral, and Economic Sciences		Direct Direct		BCS-1729158 BCS-1729513	\$ 17,496 \$ 14,261	\$ -
Research And Development Cluster	47.075	Social, Behavioral, and Economic Sciences		Direct		BCS-1730146	\$ 69,113	\$ -
Research And Development Cluster	47.075	Social, Behavioral, and Economic Sciences		Direct		BCS-1734853	\$ 93,229	
Research And Development Cluster	47.075	Social, Behavioral, and Economic Sciences		Direct		BCS-1748461	\$ 31,494	
Research And Development Cluster	47.075	Social, Behavioral, and Economic Sciences		Direct		BCS-1752114	\$ 14,512	
Research And Development Cluster	47.075	Social, Behavioral, and Economic Sciences		Direct		BCS-1753915	\$ 109,971	
Research And Development Cluster	47.075	Social, Behavioral, and Economic Sciences		Direct		BCS-1823896	\$ 3,163	S -
Research And Development Cluster Research And Development Cluster	47.075 47.075	Social, Behavioral, and Economic Sciences Social, Behavioral, and Economic Sciences		Direct Direct		BCS-1847971 BCS-1903242	\$ 586 \$ 31,838	\$.
Research And Development Cluster	47.075	Social, Behavioral, and Economic Sciences		Direct		SES-1534628	\$ 339	
Research And Development Cluster	47.075	Social, Behavioral, and Economic Sciences		Direct		SES-1540447	\$ 24,643	
Research And Development Cluster	47.075	Social, Behavioral, and Economic Sciences		Direct		SES-1556864	\$ 84,870	\$ -
Research And Development Cluster	47.075	Social, Behavioral, and Economic Sciences		Direct		SES-1560554	\$ 147,952	\$ -
Research And Development Cluster	47.075	Social, Behavioral, and Economic Sciences Social, Behavioral, and Economic Sciences		Direct		SES-1565409	\$ 4,141	5 -
Research And Development Cluster Research And Development Cluster	47.075 47.075	Social, Behavioral, and Economic Sciences Social, Behavioral, and Economic Sciences		Direct Direct		SES-1624225 SES-1643524	\$ 33,762 \$ 30,819	
Research And Development Cluster	47.075	Social, Behavioral, and Economic Sciences		Direct		SES-1643324 SES-1656398	\$ 30,819	
Research And Development Cluster	47.075	Social, Behavioral, and Economic Sciences		Direct		SES-1658168	\$ 89,041	
Research And Development Cluster	47.075	Social, Behavioral, and Economic Sciences		Direct		SES-1658804	\$ 173,271	\$ -
Research And Development Cluster	47.075	Social, Behavioral, and Economic Sciences		Direct		SES-1702385	\$ 5,055	\$ -
Research And Development Cluster	47.075	Social, Behavioral, and Economic Sciences		Direct		SES-1728889	\$ 56,088	s -
Research And Development Cluster Research And Development Cluster	47.075 47.075	Social, Behavioral, and Economic Sciences Social, Behavioral, and Economic Sciences		Direct Direct		SES-1730078 SES-1737157	\$ 50,605 \$ 101,681	•
Research And Development Cluster	47.075	Social, Behavioral, and Economic Sciences		Direct		SES-1754740	\$ 58,725	š -
Research And Development Cluster	47.075	Social, Behavioral, and Economic Sciences		Direct		SES-1755065	\$ 5,836	
Research And Development Cluster	47.075	Social, Behavioral, and Economic Sciences		Direct		SES-1755078	\$ 6,095	\$ -
Research And Development Cluster	47.075	Social, Behavioral, and Economic Sciences		Direct		SES-1756831	\$ 111,586	
Research And Development Cluster	47.075	Social, Behavioral, and Economic Sciences		Direct		SES-1830714	\$ 11,970	
Research And Development Cluster Research And Development Cluster	47.075 47.075	Social, Behavioral, and Economic Sciences Social, Behavioral, and Economic Sciences		Direct Direct		SES-1934942 SMA-1561299	\$ 5,418 \$ 9,886	
Research And Development Cluster Research And Development Cluster	47.075 47.075	Social, Behavioral, and Economic Sciences Social, Behavioral, and Economic Sciences		Direct		SMA-1633082	\$ 9,886 \$ 8,454	
Research And Development Cluster	47.075	Social, Behavioral, and Economic Sciences		Direct		SMA-1636636	\$ 139,352	
Research And Development Cluster	47.075	Social, Behavioral, and Economic Sciences		Direct		SMA-1645585	\$ (351)	\$ -
Research And Development Cluster	47.075	Social, Behavioral, and Economic Sciences		Pass Through	PURDUE UNIVERSITY	4101-83026	\$ 7,705	
Research And Development Cluster	47.075	Social, Behavioral, and Economic Sciences		Pass Through	UNIVERSITY OF CALIFORNIA, SAN DIEGO	79413515	\$ 9,556	
Research And Development Cluster	47.075	Social, Behavioral, and Economic Sciences		Pass Through	UNIVERSITY OF CALIFORNIA, SAN FRANCISCO	10921sc	\$ 6,903	
Research And Development Cluster	47.075	Social, Behavioral, and Economic Sciences		Pass Through	UNIVERSITY OF DENVER	SC37465-01	\$ 3,393	
Research And Development Cluster	47.075	Social, Behavioral, and Economic Sciences		Pass Through	UNIVERSITY OF MARYLAND, BALTIMORE COUNTY	13118-01	\$ 12,002	•

Cluster	CFDA Number	CFDA Program Title	Federal Agency Highest Level	Direct or Pass	Pass Through Entity	Grant Number	Federal	Sub-recipient
Research And Development Cluster	47.075	Social, Behavioral, and Economic Sciences	NATIONAL SCIENCE FOUNDATION	Through Pass Through	UNIVERSITY OF NORTH	20170044	Expenditures \$ 23,249	
		,,		· ····g··	CAROLINA AT GREENSBORO			
Research And Development Cluster Research And Development Cluster	47.075 Total 47.076	Education and Human Resources	NATIONAL SCIENCE FOUNDATION	Direct		DGE-1342962	\$ 1,779,932 \$ (5,000)	
Research And Development Cluster	47.076	Education and Human Resources	WITTOWNE SOLENOE TO SHEATTON	Direct		DGE-1547731	\$ 1,370	\$ -
Research And Development Cluster	47.076	Education and Human Resources		Direct		DGE-1842164	\$ 748,051	
Research And Development Cluster	47.076	Education and Human Resources		Direct		DUE-1259468 DUE-1458617	\$ 19,663 \$ 125,064	
Research And Development Cluster Research And Development Cluster	47.076 47.076	Education and Human Resources Education and Human Resources		Direct Direct		DUE-1458617 DUE-1758481	\$ 125,064 \$ 55,377	
Research And Development Cluster	47.076	Education and Human Resources		Direct		HRD-1618408	\$ 950,788	\$ 237,602
Research And Development Cluster	47.076	Education and Human Resources		Direct		HRD-1826626	\$ 150,450	
Research And Development Cluster Research And Development Cluster	47.076 47.076	Education and Human Resources Education and Human Resources		Direct Direct		DGE-1561453 DGE1633426	\$ 404,314 \$ 127,376	
Research And Development Cluster	47.076	Education and Human Resources		Direct		DGE-1661234	\$ 82,811	
Research And Development Cluster	47.076	Education and Human Resources		Direct		DGE-1735095	\$ 430,022	\$ -
Research And Development Cluster	47.076	Education and Human Resources		Direct		DGE-1821782	\$ 2,552	
Research And Development Cluster Research And Development Cluster	47.076 47.076	Education and Human Resources Education and Human Resources		Direct Direct		DRL-1252575 DRL-1420303	\$ 101,939 \$ 104,418	
Research And Development Cluster	47.076	Education and Human Resources		Direct		DRL-1420303 DRL-1433414	\$ 37,113	
Research And Development Cluster	47.076	Education and Human Resources		Direct		DRL-1450755	\$ 428,986	\$ -
Research And Development Cluster	47.076	Education and Human Resources		Direct		DRL-1513112	\$ 234,590	
Research And Development Cluster	47.076	Education and Human Resources		Direct		DRL-1621093	\$ 122,870 \$ 59,860	
Research And Development Cluster Research And Development Cluster	47.076 47.076	Education and Human Resources Education and Human Resources		Direct Direct		DRL-1623452 DRL-1657519	\$ 59,860 \$ 163,725	
Research And Development Cluster	47.076	Education and Human Resources		Direct		DRL-1713567	\$ 430,266	
Research And Development Cluster	47.076	Education and Human Resources		Direct		DRL-1759259	\$ 50,108	
Research And Development Cluster	47.076	Education and Human Resources		Direct		DRL-1761019	\$ 31,644	
Research And Development Cluster Research And Development Cluster	47.076 47.076	Education and Human Resources Education and Human Resources		Direct Direct		DRL-1848655 DUE-1431330	\$ 138,527 \$ 101.500	
Research And Development Cluster Research And Development Cluster	47.076 47.076	Education and Human Resources Education and Human Resources		Direct		DUE-1431330 DUE-1534014	\$ 101,500 \$ 142,129	
Research And Development Cluster	47.076	Education and Human Resources		Direct		DUE-1561486	\$ 254,158	
Research And Development Cluster	47.076	Education and Human Resources		Direct		DUE-1610957	\$ 17,072	\$ -
Research And Development Cluster	47.076	Education and Human Resources		Direct		DUE-1643586	\$ 593,244	
Research And Development Cluster Research And Development Cluster	47.076 47.076	Education and Human Resources Education and Human Resources		Direct Direct		DUE-1654273 DUE-1725332	\$ 10,387 \$ 21,103	
Research And Development Cluster	47.076	Education and Human Resources		Direct		DUE-1833817	\$ 73,045	
Research And Development Cluster	47.076	Education and Human Resources		Direct		HRD-1661004	\$ 248,746	
Research And Development Cluster	47.076	Education and Human Resources		Direct		HRD-1761154	\$ 30,185	
Research And Development Cluster	47.076	Education and Human Resources		Pass Through	AMERICAN PHYSICAL SOCIETY	BP-005-2017	\$ 3,128	\$ -
Research And Development Cluster	47.076	Education and Human Resources		Pass Through	BUTLER UNIVERSITY	001096-1213TCDRLC-1323117	\$ 21,086	\$ -
Research And Development Cluster	47.076	Education and Human Resources		Pass Through	BUTLER UNIVERSITY	001130-IU-02	\$ 2,463	
Research And Development Cluster	47.076	Education and Human Resources		Pass Through	BUTLER UNIVERSITY	01130-IU-03	\$ 39,898	
Research And Development Cluster Research And Development Cluster	47.076 47.076	Education and Human Resources Education and Human Resources		Pass Through Pass Through	CHICAGO STATE UNIVERSITY COUNCIL ON UNDERGRADUATE	53875 1625354-02	\$ 35,741 \$ 44,622	
Research And Development Cluster	47.070	Education and Human Resources		rass milougii	RESEARCH	1023334-02	\$ 44,022	• -
Research And Development Cluster	47.076	Education and Human Resources		Pass Through	ILLINOIS STATE UNIVERSITY	A17-0061-S001	\$ 24,652	\$ -
Research And Development Cluster	47.076	Education and Human Resources		Pass Through	MIAMI UNIVERSITY OF OHIO	Ward_NSF_IU_G03100	\$ 9	
Research And Development Cluster	47.076	Education and Human Resources		Pass Through	NEW YORK HALL OF SCIENCE	NSF0026-03	\$ 4,621	
Research And Development Cluster	47.076	Education and Human Resources		Pass Through	PENNSYLVANIA STATE UNIVERSITY	E16-074867	\$ 28	\$ -
Research And Development Cluster	47.076	Education and Human Resources		Pass Through	PURDUE UNIVERSITY	4101-81050	\$ 34,268	
Research And Development Cluster	47.076	Education and Human Resources		Pass Through	UNIVERSITY OF GEORGIA	RR246-	\$ 32,628	\$ -
Research And Development Cluster	47.076	Education and Human Resources		Pass Through	UNIVERSITY OF KANSAS	091/S001466 ^ SUB00001466 FY2016-055	\$ 35,668	s -
Research And Development Cluster	47.076 Total						\$ 6,767,265	
Research And Development Cluster	47.079	Office of International Science and Engineering	NATIONAL SCIENCE FOUNDATION	Pass Through	ST EDWARDS UNIVERSITY	2016-2019-1	\$ 38,175	
Research And Development Cluster Research And Development Cluster	47.079 Total 66.436	Surveys, Studies, Investigations, Demonstrations, and Training Grants and	ENVIRONMENTAL PROTECTION AGENCY	Direct		X7-00D66517-0	\$ 38,175 \$ 28,892	
		Cooperative Agreements - Section 104(b)(3) of the Clean Water Act	ENVIRONMENTAL TROTECTION AGENCY	Birect		X7-00D00317-0		
Research And Development Cluster	66.436 Total						\$ 28,892	
Research And Development Cluster	66.460	Nonpoint Source Implementation Grants	ENVIRONMENTAL PROTECTION AGENCY	Pass Through	INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT	A305-4-216	\$ 70,798	\$ -
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Research And Development Cluster Research And Development Cluster	66.460 Total 66.469	Great Lakes Program	ENVIRONMENTAL PROTECTION AGENCY	Direct		GL00E01422	\$ 70,798 \$ 1,489,628	
Research And Development Cluster	66.469	Great Lakes Program		Pass Through	INDIANA DEPARTMENT OF	26360	\$ 50,081	
					ENVIRONMENTAL MANAGEMENT			
Research And Development Cluster	66.469	Great Lakes Program		Pass Through	UNIVERSITY OF NOTRE DAME	203290IU	\$ 9,196	\$ -
Research And Development Cluster	66.469 Total						\$ 1,548,905	\$ 10,218
Research And Development Cluster	81.049	Office of Science Financial Assistance Program	ENERGY, DEPARTMENT OF	Direct		DE-FG02-05ER41374	\$ 484,357	
Research And Development Cluster Research And Development Cluster	81.049 81.049	Office of Science Financial Assistance Program Office of Science Financial Assistance Program		Direct Direct		DE-FG02-07ER15889 DE-FG02-87ER40365	\$ 155,814 \$ 242,515	
Research And Development Cluster	81.049	Office of Science Financial Assistance Program		Direct		DE-FG02-88ER40404	\$ 418,796	
Research And Development Cluster	81.049	Office of Science Financial Assistance Program		Direct		DE-SC0002728	\$ 218,615	
Research And Development Cluster	81.049	Office of Science Financial Assistance Program		Direct		DE-SC0006978	\$ 266,293	\$ -
Research And Development Cluster	81.049	Office of Science Financial Assistance Program		Direct		DE-SC0008131	\$ (128)	
Research And Development Cluster Research And Development Cluster	81.049 81.049	Office of Science Financial Assistance Program Office of Science Financial Assistance Program		Direct Direct		DE-SC0010120 DE-SC0010494	\$ 1,533,046 \$ 79,576	
Research And Development Cluster	81.049	Office of Science Financial Assistance Program Office of Science Financial Assistance Program		Direct		DE-SC0010494 DE-SC0014443	\$ 159,683	
Research And Development Cluster	81.049	Office of Science Financial Assistance Program		Direct		DE-SC0016155	\$ 121,613	\$ -
Research And Development Cluster	81.049	Office of Science Financial Assistance Program		Direct		DE-SC0016367	\$ 179,694	\$ -
Research And Development Cluster	81.049	Office of Science Financial Assistance Program		Direct		DE-SC0018961	\$ 186,854	
Research And Development Cluster Research And Development Cluster	81.049 81.049	Office of Science Financial Assistance Program Office of Science Financial Assistance Program		Direct Direct		DE-SC0018983 DE-SC0019377	\$ 15,500 \$ 8,038	
Research And Development Cluster	81.049	Office of Science Financial Assistance Program Office of Science Financial Assistance Program		Direct		DE-SC0019377 DE-SC0019466	\$ 60,581	
Research And Development Cluster	81.049	Office of Science Financial Assistance Program		Pass Through	ADELPHI TECHNOLOGY INC.		\$ 158,188	\$ -
Research And Development Cluster	81.049	Office of Science Financial Assistance Program		Pass Through	MICHIGAN STATE UNIVERSITY	RC107839-IU	\$ 26,985	\$ -
Research And Development Cluster	81.049	Office of Science Financial Assistance Program		Pass Through	UNIVERSITY OF CALIFORNIA, LOS ANGELES	2095 G UA046	\$ 36,596	\$ -
Research And Development Cluster	81.049	Office of Science Financial Assistance Program		Pass Through	UNIVERSITY OF COLORADO	1553194	\$ (17)	
Research And Development Cluster	81.049	Office of Science Financial Assistance Program		Pass Through	UNIVERSITY OF IDAHO	SH3049-SB-772938	\$ 37,941	
Research And Development Cluster	81.049 Total						\$ 4,390,540	\$ -

Cluster	CFDA Number	CFDA Program Title	Federal Agency Highest Level	Direct or Pass	Pass Through Entity	Grant Number	Federal Expenditures	Sub-recipient Expenditures
Research And Development Cluster	81.087	Renewable Energy Research and Development	ENERGY, DEPARTMENT OF	Direct		DE-EE0008417	\$ 142,603	3 \$ -
Research And Development Cluster Research And Development Cluster	81.087 Total 81.112	Stewardship Science Grant Program	ENERGY, DEPARTMENT OF	Direct		DE-NA0003344	\$ 142,600 \$ 83,73!	
Research And Development Cluster	81.112 Total						\$ 83,73	5 \$ -
Research And Development Cluster	81.117	Energy Efficiency and Renewable Energy Information Dissemination, Outreach, Training and Technical Analysis/Assistance	ENERGY, DEPARTMENT OF	Direct		DE-EE0007711	\$ 255,19	
Research And Development Cluster Research And Development Cluster	81.117 Total 81.124	Predictive Science Academic Alliance Program	ENERGY, DEPARTMENT OF	Pass Through	UNIVERSITY OF NOTRE DAME	202199IU	\$ 255,19° \$ 37.85°	
Research And Development Cluster	81.124 Total						\$ 37,85	7 \$ -
Research And Development Cluster	84.126	Rehabilitation Services Vocational Rehabilitation Grants to States	EDUCATION, DEPARTMENT OF	Pass Through	INDIANA FAMILY AND SOCIAL SERVICES ADMINISTRATION	22680	\$ 273,778	
Research And Development Cluster Research And Development Cluster	84.126 Total 84.133	National Institute on Disability and Rehabilitation Research	EDUCATION, DEPARTMENT OF	Direct		H133A120035-14	\$ 273,778 \$ 119,389	
Research And Development Cluster	84.133 Total						\$ 119,38	
Research And Development Cluster	84.287	Twenty-First Century Community Learning Centers	EDUCATION, DEPARTMENT OF	Pass Through	KENTUCKY DEPARTMENT OF EDUCATION	3400012-16	\$ 7,930) \$ -
Research And Development Cluster	84.287	Twenty-First Century Community Learning Centers		Pass Through	KENTUCKY DEPARTMENT OF EDUCATION	3400012-17	\$ 278,36	7 \$ -
Research And Development Cluster	84.287	Twenty-First Century Community Learning Centers		Pass Through	KENTUCKY DEPARTMENT OF EDUCATION	PON2 540 1700002708	\$ 3,48	
Research And Development Cluster Research And Development Cluster	84.287 84.287 Total	Twenty-First Century Community Learning Centers		Pass Through	UNIVERSITY OF NOTRE DAME	203216IUSB	\$ 2,342 \$ 292.124	
Research And Development Cluster	84.305	Education Research, Development and Dissemination	EDUCATION, DEPARTMENT OF	Direct		R305A170634-18	\$ 624,46	
Research And Development Cluster	84.305	Education Research, Development and Dissemination		Pass Through	EDUCATION DEVELOPMENT CENTER, INC.			
Research And Development Cluster Research And Development Cluster	84.305 84.305	Education Research, Development and Dissemination Education Research, Development and Dissemination		Pass Through Pass Through	PURDUE UNIVERSITY WORCESTER POLYTECHNIC	4111-68681 18-216430-01	\$ (18,32) \$ 274,01	
		Eddedion Research, Bevelopment and Bissenmation		russ mough	INSTITUTE	10 210 100 01		
Research And Development Cluster Research And Development Cluster	84.305 Total 84.323	Special Education - State Personnel Development	EDUCATION, DEPARTMENT OF	Pass Through	INDIANA DEPARTMENT OF	23214	\$ 880,62° \$ 3!	1 \$ 422,243 5 \$ -
Research And Development Cluster	84.323	Special Education - State Personnel Development		Pass Through	EDUCATION INDIANA DEPARTMENT OF EDUCATION	23311	\$ 709,996	s \$ -
Research And Development Cluster	84.323	Special Education - State Personnel Development		Pass Through	INDIANA DEPARTMENT OF EDUCATION	A58-6-16DL- 3351^00000000000000000000000000000000000	\$ 348,669	9 \$ -
Research And Development Cluster	84.323	Special Education - State Personnel Development		Pass Through	LOUISIANA DEPARTMENT OF EDUCATION		\$ 49,442	
Research And Development Cluster	84.323 Total	December in Consider Education	EDUCATION, DEPARTMENT OF	Direct		R324A180083-19	\$ 1,108,142 \$ 329,869	
Research And Development Cluster Research And Development Cluster	84.324 84.324	Research in Special Education Research in Special Education	EDUCATION, DEPARTMENT OF	Direct Pass Through	ARIZONA STATE UNIVERSITY	17-251		9 \$ 38,478 1 \$ -
Research And Development Cluster	84.324	Research in Special Education		Pass Through	UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION	3200001261-17-243	\$ 83,81	
Research And Development Cluster Research And Development Cluster	84.324 Total 84.325	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities	EDUCATION, DEPARTMENT OF	Direct		H325K160104-18	\$ 413,683 \$ 140,294	
Research And Development Cluster Research And Development Cluster	84.325 Total 84.326	Special Education Technical Assistance and Dissemination to Improve Services and Results for Children with Disabilities	EDUCATION, DEPARTMENT OF	Pass Through	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	5108918	\$ 140,294 \$ 41,440) \$ -
Research And Development Cluster Research And Development Cluster	84.326 Total 84.365	English Language Acquisition State Grants	EDUCATION, DEPARTMENT OF	Direct		T365Z170226	\$ 41,440 \$ 273,95	
Research And Development Cluster	84.365	English Language Acquisition State Grants English Language Acquisition State Grants	EDUCATION, DEPARTMENT OF	Direct		T365Z170226-18	\$ 254,26	
Research And Development Cluster	84.365	English Language Acquisition State Grants		Pass Through	UNIVERSITY NEBRASKA LINCOLN		\$ 18,798	
Research And Development Cluster	84.365	English Language Acquisition State Grants		Pass Through	UNIVERSITY NEBRASKA LINCOLN	24-1708-0112-004/T365Z160351	\$ 2,70	
Research And Development Cluster Research And Development Cluster	84.365 Total 84.366	Mathematics and Science Partnerships	EDUCATION, DEPARTMENT OF	Pass Through	INDIANA DEPARTMENT OF EDUCATION	A58-6-16CI- 3744^00000000000000000000000000000000000	\$ 549,711 \$ 19,356	
Research And Development Cluster Research And Development Cluster	84.366 Total 84.367	Supporting Effective Instruction State Crants (formerly Improving Teacher Quality	EDUCATION, DEPARTMENT OF	Pass Through	INDIANA COMMISSION FOR	J22-17-C0655	\$ 19,358 \$ 49,513	
Research And Development Cluster	84.367	Supporting Effective Instruction State Grants (formerly Improving Teacher Quality State Grants) Supporting Effective Instruction State Grants (formerly Improving Teacher Quality	EDUCATION, DEPARTMENT OF	Pass Through	HIGHER EDUCATION NATIONAL WRITING PROJECT	03-IN05-SEED2017-CRWPPD	\$ 4,683	
Research And Development Cluster	84.367 Total	State Grants)			CORPORATION		\$ 54,19	
Research And Development Cluster Research And Development Cluster	84.377 84.377 Total	School Improvement Grants	EDUCATION, DEPARTMENT OF	Pass Through	UNIVERSITY OF NOTRE DAME	203216IUSB	\$ 2,044 \$ 2,044	
Research And Development Cluster	84.407	Transition Programs for Students with Intellectual Disabilities into Higher Education	EDUCATION, DEPARTMENT OF	Pass Through	UNIVERSITY OF MASSACHUSETTS	B000475767	\$ 59,29	
Research And Development Cluster Research And Development Cluster	84.407 Total 89.003	National Historical Publications and Records Grants	NATIONAL ARCHIVES AND RECORDS ADMINISTRATION	Direct		PE-100087	\$ 59,299 \$ 1,078	
Research And Development Cluster Research And Development Cluster	89.003 89.003	National Historical Publications and Records Grants National Historical Publications and Records Grants	NATIONAL ARCHIVES AND RECORDS ADMINISTRATION	Direct		PE-100087 PE-100292-18	\$ 1,078	
Research And Development Cluster	89.003 Total	Halling Marian Describerant Describer Falls and October	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	D Th	CENTED FOR BOLLOV RECEADOLL		\$ 103,93	
Research And Development Cluster	93.086	Healthy Marriage Promotion and Responsible Fatherhood Grants	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	CENTER FOR POLICY RESEARCH		\$ 12,41	-
Research And Development Cluster	93.086 Total	Food and Brown Administrative Browning	LIFALTU AND LIBRARY CEDIVICES, DEDADTMENT OF	Direct		1R01FD004830-01A2	\$ 12,41	
Research And Development Cluster Research And Development Cluster	93.103 93.103	Food and Drug Administration Research Food and Drug Administration Research	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct		5R01FD004830-01A2	\$ (15,998 \$ 119,972	
Research And Development Cluster	93.103	Food and Drug Administration Research		Pass Through	CHEMIGEN LLC CHEMIGEN LLC	1R01FD004790	\$ (13,99	
Research And Development Cluster Research And Development Cluster	93.103 93.103	Food and Drug Administration Research Food and Drug Administration Research		Pass Through Pass Through	NATIONAL INSTITUTE FOR	NIPTE-U01-IU-2018-001	\$ 7,13! \$ 19,89	
•		•			PHARMACEUTICAL TECHNOLOGY AND EDUCATION		,	
Research And Development Cluster	93.103	Food and Drug Administration Research		Pass Through	NATIONAL INSTITUTE FOR PHARMACEUTICAL TECHNOLOGY AND EDUCATION	NIPTE-U01-IU-2020-001	\$ 6,659	- \$
Research And Development Cluster	93.103	Food and Drug Administration Research		Pass Through	PURDUE UNIVERSITY	4102-77030		3) \$ -
Research And Development Cluster Research And Development Cluster	93.103 Total 93.104	Comprehensive Community Mental Health Services for Children with Serious	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	COMMUNITY MENTAL HEALTH		\$ 123,34° \$ 107,47°	
		Emotional Disturbances (SED)		u g.	CENTER, INC.			

Cluster	CFDA Number	CFDA Program Title	Federal Agency Highest Level	Direct or Pass Through	Pass Through Entity	Grant Number	Federal Expenditures	Sub-recipient Expenditures
Research And Development Cluster	93.104	Comprehensive Community Mental Health Services for Children with Serious Emotional Disturbances (SED)	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	INDIANA DIVISION OF MENTAL HEALTH AND ADDICTION	20848/1U79SM061647	\$ 24,466	
Research And Development Cluster	93.104 Total						\$ 131,943	
Research And Development Cluster	93.110	Maternal and Child Health Federal Consolidated Programs	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	MICHIGAN PUBLIC HEALTH INSTITUTE	Z-38839-115-504200	\$ 4,911	1 \$ -
Research And Development Cluster	93.110 Total						\$ 4,911	1 \$ -
Research And Development Cluster	93.113	Environmental Health	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct		1R15ES026370-01A1	\$ 135,843	
Research And Development Cluster	93.113	Environmental Health		Direct		1R15ES026394-01A1	\$ 60,116	
Research And Development Cluster	93.113	Environmental Health		Direct		3R01ES028104-01A1S1	\$ 224,103	
Research And Development Cluster	93.113	Environmental Health		Direct		4R01ES020866-05	\$ (2,418	
Research And Development Cluster	93.113 93.113	Environmental Health Environmental Health		Direct		5R01ES028104-02	\$ 101,771 \$ 81.886	
Research And Development Cluster Research And Development Cluster	93.113	Environmental Health		Direct Pass Through	ALASKA COMMUNITY ACTION ON	5R01ES029835-02	\$ 86,891	
Research And Development Cluster	73.113	Environmental Health		rass mough	TOXICS	2R01-00-IIIulana	\$ 60,671	
Research And Development Cluster	93.113	Environmental Health		Pass Through	ALASKA COMMUNITY ACTION ON TOXICS	2R01-07-Indiana	\$ 45,535	5 \$ -
Research And Development Cluster	93.113	Environmental Health		Pass Through	PURDUE UNIVERSITY	11000636-006	\$ 195,096	5 \$ -
Research And Development Cluster	93.113	Environmental Health		Pass Through	REGENSTRIEF INSTITUTE, INC.		\$ 10,160) \$ -
Research And Development Cluster	93.113 Total						\$ 938,983	3 \$ 4,150
Research And Development Cluster	93.121	Oral Diseases and Disorders Research	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct		5R01DE025836-02	\$ (858	
Research And Development Cluster	93.121	Oral Diseases and Disorders Research		Direct		5R01DE025836-03	\$ 524,640	
Research And Development Cluster	93.121	Oral Diseases and Disorders Research		Direct		5R01DE025836-04	\$ 153,228	
Research And Development Cluster	93.121	Oral Diseases and Disorders Research		Direct		5R01DE025870-05	\$ 313,078	
Research And Development Cluster	93.121	Oral Diseases and Disorders Research		Direct		5R03DE024198-02	\$ 126,735	
Research And Development Cluster	93.121	Oral Diseases and Disorders Research		Direct		5R03DE025646-02	\$ 126,185	5 \$ 24,256
Research And Development Cluster	93.121	Oral Diseases and Disorders Research		Direct		5R21DE026844-02	\$ 181,343	
Research And Development Cluster	93.121	Oral Diseases and Disorders Research		Pass Through	BOSTON UNIVERSITY	4500002863	\$ 29,214	
Research And Development Cluster	93.121	Oral Diseases and Disorders Research		Pass Through	HEALTHPARTNERS INSTITUTE	X1510700INDIANA	\$ 57,175	
Nescaren vina Bevelopment Glaster	75.121	oral biseases and bisoracis research		russ miougn	FOR EDUCATION & RESEARCH	X1010700HIDHUH	0,,,,,	
Research And Development Cluster	93.121	Oral Diseases and Disorders Research		Pass Through	REGENSTRIEF INSTITUTE, INC.	HHSN276201400008C	\$ 202,632	2 \$ -
Research And Development Cluster	93.121	Oral Diseases and Disorders Research		Pass Through	UNIVERSITY OF ALABAMA	000412838-108/5U19DE022516-	\$ 19,311	1 \$ 12,895
				9	BIRMINGHAM	07		
Research And Development Cluster	93.121	Oral Diseases and Disorders Research		Pass Through	UNIVERSITY OF MICHIGAN	3004668233	\$ 359,056	5 \$ -
Research And Development Cluster	93.121	Oral Diseases and Disorders Research		Pass Through	UNIVERSITY OF MICHIGAN	3004717592	\$ 45,433	
Research And Development Cluster	93.121	Oral Diseases and Disorders Research		Pass Through	UNIVERSITY OF MICHIGAN	3004834786	\$ 5,893	
Research And Development Cluster	93.121	Oral Diseases and Disorders Research		Pass Through	UNIVERSITY OF MICHIGAN	3004893289	\$ 10,818	
Research And Development Cluster	93.121	Oral Diseases and Disorders Research		Pass Through		570741	\$ 17,992	
Research And Development Cluster	93.121 Total						\$ 2,171,875	5 \$ 37,151
Research And Development Cluster	93.135	Centers for Research and Demonstration for Health Promotion and Disease Prev	ention HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	UNIVERSITY OF NORTH	5112009	\$ 20,901	
research And Development cluster	73.133	Centers for Research and Demonstration for freath Fromotion and Disease Frey	CHILOT TEACTT AND HOWAN SERVICES, DELAKTWENT OF	rass milough	CAROLINA AT CHAPEL HILL	3112007	20,701	. •
Research And Development Cluster	93.135 Total				OUTOENWITH OTHER EE THEE		\$ 20.901	1 \$ -
Research And Development Cluster	93.136	Injury Prevention and Control Research and State and Community Based Progra	ms HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	INDIANA STATE DEPARTMENT OF	16140	\$ 402,219	
research vita bevelopment staster	70.100	mjary revention and control research and state and community based regra	TIESTETT AND THOMASS DELIVERATIONS	russ mrougn	HEALTH	10110	0 102,211	, 0 20,077
Research And Development Cluster	93.136 Total				TEACT.		\$ 402,219	9 \$ 23,879
Research And Development Cluster	93.142	NIEHS Hazardous Waste Worker Health and Safety Training	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct		1UH4ES027055-01	\$ (11,783	
Research And Development Cluster	93.142	NIEHS Hazardous Waste Worker Health and Safety Training		Direct		3UH4ES027055-03S1	\$ 25,637	
Research And Development Cluster	93.142	NIEHS Hazardous Waste Worker Health and Safety Training		Direct		5UH4ES027055-02	\$ 50,110	
Research And Development Cluster	93.142	NIEHS Hazardous Waste Worker Health and Safety Training		Direct		5UH4ES027055-03	\$ 394,003	
Research And Development Cluster	93.142	NIEHS Hazardous Waste Worker Health and Safety Training		Pass Through	UNIVERSITY OF TEXAS HEALTH		\$ 8,849	
					SCIENCE CENTER HOUSTON			
Research And Development Cluster	93.142	NIEHS Hazardous Waste Worker Health and Safety Training		Pass Through	UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER HOUSTON	0011234B (HWWTP)	\$ 9,683	3 \$ -
					SCIENCE CENTER HOUSTON			
Research And Development Cluster Research And Development Cluster	93.142 Total 93.145	HIV-Related Training and Technical Assistance	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	HEALTH AND HOSPITAL		\$ 476,499 \$ 11,895	
research And Development cluster	73.143	The Related Training and Technical Assistance	TIERETTI AND TIOMAN SERVICES, DELARTMENT OF	rass rillough				
					CORPORATION OF MARION			
					CORPORATION OF MARION COUNTY			
Research And Development Cluster	93.145 Total				CORPORATION OF MARION COUNTY		\$ 11,895	5 \$ -
	93.145 Total 93.172	Human Genome Research	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct		1U01HG010245-01	\$ 11,895 \$ 218,906	
Research And Development Cluster		Human Genome Research Human Genome Research	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct Direct		1U01HG010245-01 3U01HG007762-04S1		5 \$ 1,521
Research And Development Cluster Research And Development Cluster	93.172		HEALTH AND HUMAN SERVICES, DEPARTMENT OF				\$ 218,906	5 \$ 1,521 2 \$ -
Research And Development Cluster Research And Development Cluster Research And Development Cluster	93.172 93.172 93.172	Human Genome Research	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct Direct		3U01HG007762-04S1 3U01HG007762-04S2	\$ 218,906 \$ 1,182 \$ 390,255	5 \$ 1,521 2 \$ - 5 \$ 104,159
Research And Development Cluster Research And Development Cluster Research And Development Cluster Research And Development Cluster	93.172 93.172	Human Genome Research Human Genome Research	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct	COUNTY CLEVELAND CLINIC	3U01HG007762-04S1	\$ 218,906 \$ 1,182 \$ 390,255	5 \$ 1,521 2 \$ - 5 \$ 104,159 4 \$ 45,660
Research And Development Cluster Research And Development Cluster Research And Development Cluster Research And Development Cluster Research And Development Cluster	93.172 93.172 93.172 93.172	Human Genome Research Human Genome Research Human Genome Research	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct Direct Direct	COUNTY	3U01HG007762-04S1 3U01HG007762-04S2 5U01HG007762-04	\$ 218,906 \$ 1,182 \$ 390,255 \$ 248,034	6 \$ 1,521 2 \$ - 5 \$ 104,159 4 \$ 45,660 5 \$ -
Research And Development Cluster Research And Development Cluster	93.172 93.172 93.172 93.172 93.172 93.172 93.172	Human Genome Research Human Genome Research Human Genome Research Human Genome Research	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct Direct Direct Pass Through	COUNTY CLEVELAND CLINIC	3U01HG007762-04S1 3U01HG007762-04S2 5U01HG007762-04 1094-SUB	\$ 218,906 \$ 1,182 \$ 390,255 \$ 248,034 \$ 15,935 \$ 1,203 \$ 495,519	5 \$ 1,521 2 \$ - 5 \$ 104,159 4 \$ 45,660 5 \$ - 3 \$ -
Research And Development Cluster Research And Development Cluster	93.172 93.172 93.172 93.172 93.172 93.172	Human Genome Research Human Genome Research Human Genome Research Human Genome Research Human Genome Research	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct Direct Direct Pass Through Pass Through	CLEVELAND CLINIC CLEVELAND CLINIC	3U01HG007762-04S1 3U01HG007762-04S2 5U01HG007762-04 1094-SUB 893-SUB	\$ 218,906 \$ 1,182 \$ 390,255 \$ 248,034 \$ 15,935 \$ 1,203	5 \$ 1,521 2 \$ - 5 \$ 104,159 4 \$ 45,660 5 \$ - 3 \$ -
Research And Development Cluster Research And Development Cluster	93.172 93.172 93.172 93.172 93.172 93.172 93.172	Human Genome Research Human Genome Research Human Genome Research Human Genome Research Human Genome Research	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct Direct Direct Pass Through Pass Through	CLEVELAND CLINIC CLEVELAND CLINIC	3U01HG007762-04S1 3U01HG007762-04S2 5U01HG007762-04 1094-SUB 893-SUB	\$ 218,906 \$ 1,182 \$ 390,255 \$ 248,034 \$ 15,935 \$ 1,203 \$ 495,519	5 \$ 1,521 2 \$ - 5 \$ 104,159 4 \$ 45,660 5 \$ - 3 \$ - 9 \$ - 4 \$ 151,340
Research And Development Cluster Research And Development Cluster	93.172 93.172 93.172 93.172 93.172 93.172 93.172 93.172 93.172 Total 93.173	Human Genome Research Research Related to Deafness and Communication Disorders		Direct Direct Direct Pass Through Pass Through Pass Through Direct	CLEVELAND CLINIC CLEVELAND CLINIC	3U01HG007762-04S1 3U01HG007762-04S2 5U01HG007762-04 1094-SUB 893-SUB 132685-5104587	\$ 218,906 \$ 1,182 \$ 390,255 \$ 248,034 \$ 15,935 \$ 1,203 \$ 495,515 \$ 1,371,034 \$ 15,236	5 \$ 1,521 2 \$ - 5 \$ 104,159 4 \$ 45,660 5 \$ - 3 \$ - 9 \$ - 4 \$ 151,340 6 \$ -
Research And Development Cluster Research And Development Cluster	93.172 93.172 93.172 93.172 93.172 93.172 93.172 93.172 Total	Human Genome Research Human Genome Research Human Genome Research Human Genome Research Human Genome Research Human Genome Research		Direct Direct Direct Pass Through Pass Through Pass Through	CLEVELAND CLINIC CLEVELAND CLINIC	3U01HG007762-04S1 3U01HG007762-04S2 5U01HG007762-04 1094-SUB 893-SUB 132685-5104587	\$ 218,906 \$ 1,182 \$ 390,255 \$ 248,034 \$ 15,935 \$ 1,203 \$ 495,519 \$ 1,371,034	5 \$ 1,521 2 \$ - 4 \$ 45,660 5 \$ - 3 \$ - 9 \$ - 4 \$ 151,340 6 \$ -
Research And Development Cluster Research And Development Cluster	93.172 93.172 93.172 93.172 93.172 93.172 93.172 93.172 Total 93.173 93.173	Human Genome Research Research Related to Deaffness and Communication Disorders Research Related to Deaffness and Communication Disorders		Direct Direct Direct Pass Through Pass Through Pass Through Direct Direct	CLEVELAND CLINIC CLEVELAND CLINIC	3U01HG007762-0451 3U01HG007762-0452 5U01HG007762-04 1094-SUB 893-SUB 893-SUB 1532685-5104587 1F31DC016528-01A1 1R01DC015257-01A1	\$ 218,906 \$ 1,182 \$ 390,255 \$ 248,034 \$ 15,935 \$ 1,203 \$ 495,511 \$ 1,371,034 \$ 15,236 \$ 4,690	5 \$ 1,521 2 \$ - 4 \$ 45,660 5 \$ - 3 \$ - 4 \$ 151,340 6 \$ - 3 \$ -
Research And Development Cluster Research And Development Research Research And Development Research Research And Development Research Research And Development Research Research And Research Research And Research Research Research Research Research Researc	93.172 93.172 93.172 93.172 93.172 93.172 93.172 93.172 93.173 93.173 93.173	Human Genome Research Research Related to Deafness and Communication Disorders		Direct Direct Direct Direct Pass Through Pass Through Pass Through Direct Direct Direct	CLEVELAND CLINIC CLEVELAND CLINIC	3U01HG007762-0451 3U01HG007762-0452 5U01HG007762-04 1094-SUB 893-SUB 132685-5104587 1F31DC016528-01A1 1R01DC015257-01A1 1R01DC015495-01A1 REVISED	\$ 218,906 \$ 1,182 \$ 390,255 \$ 248,034 \$ 15,93 \$ 1,203 \$ 495,515 \$ 1,371,034 \$ 15,236 \$ 4,690 \$ 61,776 \$ 26,895	6 \$ 1,521 5 \$ 104,159 4 \$ 45,660 3 \$ - 9 \$ - 4 \$ 151,340 6 \$ - 0
Research And Development Cluster Research And Research Re	93.172 93.172 93.172 93.172 93.172 93.172 93.172 93.172 Total 93.173 93.173 93.173 93.173	Human Genome Research Research Related to Deafness and Communication Disorders		Direct Direct Direct Pass Through Pass Through Pass Through Direct Direct Direct Direct	CLEVELAND CLINIC CLEVELAND CLINIC	3U01HG007762-0451 3U01HG007762-0452 5U01HG007762-04 1094-SUB 893-SUB 132685-5104587 1F31DC016528-01A1 1R01DC015287-01A1 1R01DC015788-01 1R01DC015788-01	\$ 218,906 \$ 1,182 \$ 390,255 \$ 248,034 \$ 15,935 \$ 1,203 \$ 495,515 \$ 1,371,034 \$ 61,776 \$ 26,895 \$ 120,614	5 \$ 1,521 2 \$ 104,159 4 \$ 45,660 5 \$ -2 9 \$ -2 4 \$ 151,340 6 \$ 5 7 \$ 26,899 4 \$ 26,899
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Research And Development Cluster Research And Development Research Research And Development Research Research And Development Research Research Research Research Research Research Research Res	93.172 93.172 93.172 93.172 93.172 93.172 93.172 93.172 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173	Human Genome Research Research Related to Deafness and Communication Disorders		Direct Direct Direct Pass Through Pass Through Pass Through Direct	CLEVELAND CLINIC CLEVELAND CLINIC	3U01HG007762-0451 3U01HG007762-0452 5U01HG007762-04 1094-SUB 893-SUB 893-SUB 132685-5104587 1F31DC016528-01A1 1R01DC015257-01A1 1R01DC015495-01A1 REVISED 1R01DC015788-01 1R01DC015788-01 1R03DC015624-01 2R01DC013294-06 4R01DC013294-06	\$ 218,906 \$ 1,182 \$ 390,255 \$ 248,034 \$ 15,935 \$ 1,200 \$ 495,515 \$ 1,371,034 \$ 15,236 \$ 4,690 \$ 61,778 \$ 26,899 \$ 120,614 \$ (7,784) \$ 47,945 \$ 4,945 \$ 4,945	5 \$ 1,521 2 \$ - 6 5 \$ 104,159 4 \$ 45,660 5 \$ - 7 9 \$ - 7 10 \$ 151,340 5 \$ - 7 10 \$ -
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Research And Development Cluster Research And Development Research And Development Research And Development Research And Re	93.172 93.172 93.172 93.172 93.172 93.172 93.172 93.172 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173	Human Genome Research Research Related to Deafness and Communication Disorders		Direct Direct Direct Direct Pass Through Pass Through Pass Through Direct	CLEVELAND CLINIC CLEVELAND CLINIC	3U01HG007762-0451 3U01HG007762-0452 5U01HG007762-04 1094-SUB 893-SUB 132685-5104587 1F31DC016528-01A1 1R01DC015257-01A1 1R01DC015788-01 1R01DC015788-01 1R01DC017461-01 1R03DC015624-01 2R01DC013294-06 4R01DC012517-05 5F31DC015968-02 5F31DC015968-03 5F31DC015968-03	\$ 218,900 \$ 1,182 \$ 390,255 \$ 248,034 \$ 15,935 \$ 1,200 \$ 495,515 \$ 1,371,034 \$ 15,236 \$ 4,690 \$ 61,775 \$ 26,899 \$ 120,614 \$ (7,38) \$ 4,590 \$ 4,990 \$ 4,990 \$ 4,990 \$ 4,990 \$ 4,990 \$ 4,990 \$ 4,990 \$ 4,990 \$ 4,614 \$ 4,614 \$ 4,614 \$ 4,614 \$ 5,616 \$ 4,616 \$ 5,616 \$ 4,616 \$ 5,616 \$ 4,616 \$ 5,616 \$ 5	5 \$ 1,521 2 \$ - 6 5 \$ 104,159 4 \$ 45,660 5 \$ - 7 9 \$ - 7 0 \$ -
Research And Development Cluster Research And Development Research And D	93.172 93.172 93.172 93.172 93.172 93.172 93.172 93.172 93.172 Total 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173	Human Genome Research Research Related to Deafness and Communication Disorders		Direct Direct Direct Direct Pass Through Pass Through Pass Through Direct	CLEVELAND CLINIC CLEVELAND CLINIC	3U01HG007762-0451 3U01HG007762-0452 5U01HG007762-041 1094-SUB 893-SUB 132685-5104587 1F31DC016528-01A1 1R01DC015257-01A1 1R01DC015788-01 1R01DC015788-01 1R01DC015788-01 1R01DC015788-01 1R01DC015788-01 5R01DC015788-01 5R01DC015788-01 5R01DC015788-01 5R01DC015788-01 5R01DC015788-01 5R01DC015788-01 5R01DC015788-02 5R31DC015968-02 5R31DC015968-03 5R31DC015968-03 5R31DC01568-03 5R31DC01568-03 5R31DC01568-03 5R31DC01568-03 5R31DC01568-03	\$ 218,906 \$ 1,182 \$ 390,255 \$ 248,034 \$ 15,935 \$ 1,200 \$ 495,511 \$ 1,371,034 \$ 15,234 \$ 4,690 \$ 61,776 \$ 26,899 \$ 120,614 \$ (7,784 \$ 4,897 \$ 4,897 \$ 4,897 \$ 4,897 \$ 4,897 \$ 4,897 \$ 4,897 \$ 4,897 \$ 5,555 \$ 4,897 \$ 5,560 \$ 4,897 \$ 5,560 \$ 5,560 \$ 5,745 \$ 5,755 \$ 5,755 \$ 5,755 \$ 5,755 \$ 6,755 \$ 7,945 \$ 7,555 \$ 188,888	5 \$ 1,521 2 \$ 104,159 4 \$ 45,660 5 \$ 3 3 \$ 5 9 \$ 151,340 6 \$ 5 9 \$ 26,899 4 \$ 26,899 4 \$ 3 3) \$ 26,899 5 \$ 14,853 6 \$ 14,853
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Research And Development Cluster Research And Development Research Research And Development Research	93.172 93.172 93.172 93.172 93.172 93.172 93.172 93.172 93.172 Total 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173	Human Genome Research Research Related to Deafness and Communication Disorders		Direct Direct Direct Direct Pass Through Pass Through Pass Through Direct	CLEVELAND CLINIC CLEVELAND CLINIC	3U01HG007762-0451 3U01HG007762-0452 5U01HG007762-041 1094-SUB 893-SUB 132685-5104587 1E31DC016528-01A1 1R01DC015257-01A1 1R01DC015278-01A1 1R01DC015495-01A1 REVISED 1R01DC015485-01A1 1R01DC015788-01 1R01DC015788-01 1R01DC015788-01 5731DC015624-01 2R01DC013294-06 4R01DC012517-05 5731DC015968-02 5731DC015968-03	\$ 218,906 \$ 1,182 \$ 390,255 \$ 248,034 \$ 15,938 \$ 1,200 \$ 495,511 \$ 1,371,034 \$ 15,238 \$ 4,690 \$ 61,778 \$ 26,899 \$ 120,614 \$ (7,755) \$ 85,600 \$ 44,945 \$ 48,991 \$ 48,991 \$ 48,991 \$ 48,991 \$ 18,888 \$ (19,365) \$ 188,888 \$ (19,365) \$ 188,888 \$ (19,365) \$ 11,872	5 \$ 1,521 2 \$ 104,155 4 \$ 45,666 5 \$ 3 3 \$ 151,346 6 \$ 151,346 6 \$ 151,346 6 \$ 26,895 4 \$ 3 3) \$ 26,895 4 \$ 5 5 \$ 14,853 7 7 \$ 14,853
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Research And Development Cluster Research And Development Research And Developme	93.172 93.172 93.172 93.172 93.172 93.172 93.172 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173	Human Genome Research Research Related to Deafness and Communication Disorders		Direct Direct Direct Direct Pass Through Pass Through Pass Through Direct	CLEVELAND CLINIC CLEVELAND CLINIC	3U01HG007762-0451 3U01HG007762-0452 5U01HG007762-04 1094-SUB 893-SUB 132685-5104587 1731DC016528-01A1 1R01DC015257-01A1 1R01DC01527-01A1 1R01DC015495-01A1 REVISED 1R01DC015788-01 1R01DC015788-01 1R01DC015788-01 5R01DC013294-06 4R01DC012517-05 5F31DC015968-02 5F31DC015968-03 5F31DC015968-03 5F31DC015968-03 5F31DC015978-03 5F31DC015	\$ 218,900 \$ 1,182 \$ 390,255 \$ 248,033 \$ 15,935 \$ 12,503 \$ 495,515 \$ 1,371,033 \$ 15,236 \$ 4,690 \$ 61,772 \$ 26,899 \$ 120,614 \$ (7,755) \$ 48,891 \$ 4,891 \$ 24,614 \$ 7,555 \$ 188,888 \$ (19,367) \$ 17,872 \$ 3,431 \$ 36,210	5 S 1,52°2 2 S 104,15°4 5 S 104,15°5 5 S 3 S 45,66°6 5 S 5 S 5 S 14,134°6 6 S 5 S 151,34°6 6 S 5 S 14,85°6 7 S 14,85°6 7 S 14,85°6 7 S 14,85°6 7 S 14,85°6 8 S 7 S 14,85°6
Research And Development Cluster Research And Development Cluster Resear	93.172 93.172 93.172 93.172 93.172 93.172 93.172 93.172 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173	Human Genome Research Research Related to Deafness and Communication Disorders		Direct Direct Direct Pass Through Pass Through Pass Through Pass Through Pass Through Direct	CLEVELAND CLINIC CLEVELAND CLINIC	3U01HG007762-0451 3U01HG007762-0452 5U01HG007762-041 1904-SUB 893-SUB 132685-5104587 1531DC016528-01A1 1R01DC015257-01A1 1R01DC015788-01 1R01DC015788-01 1R01DC015788-01 1R01DC015788-01 5731DC015624-01 2R01DC013294-06 4R01DC012517-05 5731DC015968-02 5731DC015968-02 5731DC015968-02 5731DC015968-03 5731DC015968-05 5731DC015988-05 5731DC015988-05 5731DC015988-05 5731DC015988-05 5731DC015328-05 57801DC011771-05 57801DC011771-05 57801DC011771-05 57801DC013288-05	\$ 218,900 \$ 1,182 \$ 390,255 \$ 248,034 \$ 15,935 \$ 1,200 \$ 495,515 \$ 1,371,034 \$ 15,335 \$ 4,690 \$ 61,776 \$ 26,899 \$ 120,614 \$ (71 \$ 85,600 \$ 47,945 \$ 4,897 \$ 24,614 \$ (7,745) \$ 188,885 \$ (19,367) \$ (17,872) \$ (19,367) \$ (17,872) \$ (19,367) \$ (1	5 S 1,521 2 S 104,155 5 S 104,155 5 S 45,666 5 S 151,344 6 S 151,344 6 S 26,895 4 S 26,895 4 S 26,895 7 S 14,855 7 S 14,855 7 S 2,875 8 S 7 S 14,855 8 S 15 S 1
Research And Development Cluster Research And Development Research And Development Re	93.172 93.172 93.172 93.172 93.172 93.172 93.172 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173	Human Genome Research Research Related to Deafness and Communication Disorders		Direct Direct Direct Direct Direct Pass Through Pass Through Pass Through Direct	CLEVELAND CLINIC CLEVELAND CLINIC	3U01HG007762-0451 3U01HG007762-0452 5U01HG007762-04 1094-SUB 893-SUB 132685-5104587 132685-5104587 1R01DC015528-01A1 1R01DC015549-01A1 REVISED 1R01DC015788-01 1R01DC015495-01A1 REVISED 2R01DC017461-01 1R03DC015624-01 2R01DC01598-02 5731DC015968-02 5731DC015968-02 5731DC015968-03 5731DC015968-03 5731DC015968-03 5731DC015968-03 5731DC015958-03 5731DC015958-03 5731DC015958-03 5731DC015958-03 5731DC015958-03 5731DC015958-03 5731DC015958-03 5731DC015958-03 5731DC01558-03	\$ 218,900 \$ 1,182 \$ 390,255 \$ 248,034 \$ 1,203 \$ 1,203 \$ 1,203 \$ 1,203 \$ 1,203 \$ 1,203 \$ 1,203 \$ 1,203 \$ 1,203 \$ 1,203 \$ 1,203 \$ 1,20,614 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,2	5 \$ 1,521 2 \$ 104,159 5 \$ 104,159 5 \$ 45,660 5 \$ 5 7 \$ 26,899 4 \$ 26,899 4 \$ 26,899 4 \$ 26,899 4 \$ 26,899 5 \$ 26,899 7 \$ 14,853 7 \$ 14,853 7 \$ 14,853 7 \$ 14,853 7 \$ 14,853
Research And Development Cluster	93.172 93.172 93.172 93.172 93.172 93.172 93.172 93.172 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173	Human Genome Research Research Related to Deafness and Communication Disorders		Direct Direct Direct Direct Pass Through Pass Through Pass Through Pass Through Direct	CLEVELAND CLINIC CLEVELAND CLINIC	3U01HG007762-0451 3U01HG007762-0452 5U01HG007762-041 1904-SUB 893-SUB 132685-5104587 1531DC016528-01A1 1R01DC015257-01A1 1R01DC015788-01 1R01DC015788-01 1R01DC015788-01 1R01DC015788-01 5731DC015624-01 2R01DC013294-06 4R01DC012517-05 5731DC01598-03 5731DC015628-03 5731DC015628-03 5731DC015628-03 5731DC01578-03 5731DC0157	\$ 218,900 \$ 1,182 \$ 390,255 \$ 248,034 \$ 15,935 \$ 1,200 \$ 495,515 \$ 1,371,034 \$ 15,335 \$ 4,690 \$ 61,775 \$ 26,895 \$ 120,614 \$ (73,485) \$ 4,897 \$ 4,897 \$ 4,897 \$ 18,888 \$ 1,936 \$ 17,872 \$ 3,425 \$ 4,311 \$ 7,555 \$ 188,888 \$ (19,365) \$ 17,872 \$ 3,421 \$ 1,872 \$ 3,421 \$	5 s 1,521 2 s
Research And Development Cluster Research And Development Research And Research Research And Research Research And Research Research And Resea	93.172 93.172 93.172 93.172 93.172 93.172 93.172 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173 93.173	Human Genome Research Research Related to Deafness and Communication Disorders		Direct Direct Direct Direct Direct Pass Through Pass Through Pass Through Direct	CLEVELAND CLINIC CLEVELAND CLINIC	3U01HG007762-0451 3U01HG007762-0452 5U01HG007762-04 1094-SUB 893-SUB 132685-5104587 132685-5104587 1R01DC015528-01A1 1R01DC015549-01A1 REVISED 1R01DC015788-01 1R01DC015495-01A1 REVISED 2R01DC017461-01 1R03DC015624-01 2R01DC01598-02 5731DC015968-02 5731DC015968-02 5731DC015968-03 5731DC015968-03 5731DC015968-03 5731DC015968-03 5731DC015958-03 5731DC015958-03 5731DC015958-03 5731DC015958-03 5731DC015958-03 5731DC015958-03 5731DC015958-03 5731DC015958-03 5731DC01558-03	\$ 218,900 \$ 1,182 \$ 390,255 \$ 248,034 \$ 1,203 \$ 1,203 \$ 1,203 \$ 1,203 \$ 1,203 \$ 1,203 \$ 1,203 \$ 1,203 \$ 1,203 \$ 1,203 \$ 1,203 \$ 1,20,614 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,200 \$ 1,2	5 \$ 1,521 2 \$ 104,159 4 \$ 45,660 5 \$ 2 7 \$ 151,340 5 \$ 26,899 4 \$ 26,899 4 \$ 26,899 4 \$ 26,899 5 \$ 26,899 6 \$ 26,899 7 \$ 26,899 7 \$ 26,899 8 \$ 26,899 1 \$ 26,899 1 \$ 26,899 1 \$ 26,899 2 \$ 26,899 2 \$ 26,899 3 \$ 26,899 5 \$ 26,899 7 \$

Cluster	CFDA Number	CFDA Program Title	Federal Agency Highest Level	Direct or Pass Through	Pass Through Entity	Grant Number	Federal	Sub-recipient Expenditures
Research And Development Cluster	93.173	Research Related to Deafness and Communication Disorders	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct		5R03DC015624-03	\$ 151,8	0 \$ -
Research And Development Cluster	93.173	Research Related to Deafness and Communication Disorders		Pass Through	OHIO STATE UNIVERSITY	60055938	\$ 17,1	8 \$ -
Research And Development Cluster	93.173	Research Related to Deafness and Communication Disorders		Pass Through	OHIO STATE UNIVERSITY	60055938/R21DC016134	\$ (1	2) \$ -
Research And Development Cluster	93.173	Research Related to Deafness and Communication Disorders		Pass Through	OHIO STATE UNIVERSITY	60057048-IU	\$ 260,8	
Research And Development Cluster Research And Development Cluster	93.173 93.173	Research Related to Deafness and Communication Disorders		Pass Through	OSMIC ENTERPRISES, INC	10041012 022	\$ 32,48 \$ 3.16	4 \$ - 0 \$ -
Research And Development Cluster Research And Development Cluster	93.173 Total	Research Related to Deafness and Communication Disorders		Pass Through	UNIVERSITY OF UTAH	10041913-023	\$ 3,486,2	
Research And Development Cluster	93.213	Research and Training in Complementary and Integrative Health	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct		5R01AT009036-03	\$ 15,43	
Research And Development Cluster	93.213	Research and Training in Complementary and Integrative Health	TIERETT AND HOMAN SERVICES, DELARTMENT OF	Pass Through	DUKE UNIVERSITY	203-8388		4 \$ -
Research And Development Cluster	93.213	Research and Training in Complementary and Integrative Health		Pass Through	NORTHERN CALIFORNIA	SEAL2078-03	\$ 16,28	
·				ÿ	INSTITUTE FOR RESEARCH &			
Research And Development Cluster	93.213	Research and Training in Complementary and Integrative Health		Pass Through	EDU PENNSYLVANIA STATE	5945-IU-DHHS-9856	\$ 31,44	4 \$ -
					UNIVERSITY			
Research And Development Cluster Research And Development Cluster	93.213 93.213	Research and Training in Complementary and Integrative Health Research and Training in Complementary and Integrative Health		Pass Through Pass Through	PURDUE UNIVERSITY UNIVERSITY OF ILLINOIS AT	11000465-024 16535	\$ 122,68 \$ 8.93	
					CHICAGO			_
Research And Development Cluster Research And Development Cluster	93.213 Total 93.226	Research on Healthcare Costs, Quality and Outcomes	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct		1K12HS026390-01	\$ 198,55 \$ 177,98	
Research And Development Cluster	93.226	Research on Healthcare Costs, Quality and Outcomes Research on Healthcare Costs, Quality and Outcomes	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct		1R01HS023306-02	\$ 177,90	
Research And Development Cluster	93.226	Research on Healthcare Costs, Quality and Outcomes		Direct		1R01HS024556-01A1	\$ 13,42	
Research And Development Cluster	93.226	Research on Healthcare Costs, Quality and Outcomes		Direct		1R21HS024314-01	\$ 23,2	
Research And Development Cluster	93.226	Research on Healthcare Costs, Quality and Outcomes		Direct		1R21HS024717-01A1	\$ 41,33	
Research And Development Cluster	93.226	Research on Healthcare Costs, Quality and Outcomes		Direct		1R21HS025232-01	\$ 134,00	
Research And Development Cluster	93.226	Research on Healthcare Costs, Quality and Outcomes		Direct		5P30HS024384-03	\$ 256,99	
Research And Development Cluster	93.226	Research on Healthcare Costs, Quality and Outcomes		Direct		5P30HS024384-04	\$ 493,68	
Research And Development Cluster	93.226	Research on Healthcare Costs, Quality and Outcomes		Direct		5R01HS023306-04	\$ 432,17	
Research And Development Cluster Research And Development Cluster	93.226 93.226	Research on Healthcare Costs, Quality and Outcomes Research on Healthcare Costs, Quality and Outcomes		Direct Direct		5R01HS023318-03 5R01HS023318-04	\$ 147,00 \$ 100,85	
Research And Development Cluster Research And Development Cluster	93.226	Research on Healthcare Costs, Quality and Outcomes Research on Healthcare Costs, Quality and Outcomes		Direct		5R01HS023318-04 5R01HS023808-03	\$ 100,8	
Research And Development Cluster	93.226	Research on Healthcare Costs, Quality and Outcomes		Direct		5R01HS024296-02	\$ 147,75	
Research And Development Cluster	93.226	Research on Healthcare Costs, Quality and Outcomes		Direct		5R01HS024296-04	\$ 352,02	
Research And Development Cluster	93.226	Research on Healthcare Costs, Quality and Outcomes		Direct		5R01HS024556-02	\$ 49,86	3 \$ 13,210
Research And Development Cluster	93.226	Research on Healthcare Costs, Quality and Outcomes		Direct		5R01HS025411-03	\$ 249,68	
Research And Development Cluster	93.226	Research on Healthcare Costs, Quality and Outcomes		Direct		5R21HS024717-02	\$ 49,08	
Research And Development Cluster	93.226	Research on Healthcare Costs, Quality and Outcomes		Direct		5R21HS025502-02	\$ 130,38	
Research And Development Cluster	93.226	Research on Healthcare Costs, Quality and Outcomes		Direct		5R24HS022434-05	\$ 641,70	
Research And Development Cluster Research And Development Cluster	93.226 93.226	Research on Healthcare Costs, Quality and Outcomes		Direct Pass Through	BETH ISRAEL DEACONESS	7R18HS022080-04 1029686	\$ (1,04 \$ 9,21	2) \$ - 4 \$ -
Research And Development Cluster	73.220	Research on Healthcare Costs, Quality and Outcomes		rass Illiougii	MEDICAL CENTER	1027080	\$ 7,2	
Research And Development Cluster	93.226	Research on Healthcare Costs, Quality and Outcomes		Pass Through	PURDUE UNIVERSITY	11000539-007	\$ 18,60	2 \$ -
Research And Development Cluster	93.226	Research on Healthcare Costs, Quality and Outcomes		Pass Through	PURDUE UNIVERSITY	11000850-022	\$ 2,46	
Research And Development Cluster	93.226	Research on Healthcare Costs, Quality and Outcomes		Pass Through	UNIVERSITY OF MARYLAND,	1400238D	\$ 5,54	6 \$ -
					BALTIMORE COUNTY			
Research And Development Cluster	93.226	Research on Healthcare Costs, Quality and Outcomes		Pass Through	UNIVERSITY OF WISCONSIN	777K534		3 \$ -
Research And Development Cluster	93.226	Research on Healthcare Costs, Quality and Outcomes		Pass Through	UNIVERSITY OF WISCONSIN	842K225	\$ 45,50	
Research And Development Cluster	93.226 Total	Cronto to Clates to Compart Oral Health Worldown Asticities	LIEALTH AND HUMAN CEDWICES, DEDARTMENT OF	Direct		1 71201121070 01 00	\$ 3,888,2	
Research And Development Cluster Research And Development Cluster	93.236 93.236	Grants to States to Support Oral Health Workforce Activities Grants to States to Support Oral Health Workforce Activities	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct Direct		1 T12PH31870-01-00 1 T12PH31870-01-00 ^ 6	\$ 228,35 \$ 49,54	
Research And Development cluster	75.250	Grants to States to Support Gran Health Workforce Activities		Direct		T12HP31870-01-01	Ψ 47,5	-
Research And Development Cluster	93.236 Total					112111 01070 01 01	\$ 277,89	7 \$ -
Research And Development Cluster	93.239	Policy Research and Evaluation Grants	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	UNIVERSITY OF WISCONSIN	813K396	\$ 14,52	6 \$ -
Research And Development Cluster	93.239 Total						\$ 14,52	
Research And Development Cluster	93.242	Mental Health Research Grants	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct		1K23MH116808-01A1	\$ 88,3	
Research And Development Cluster	93.242 93.242	Mental Health Research Grants Mental Health Research Grants		Direct Direct		1R01MH110630-01A1 1R03MH116288-01A1	\$ 259,47 \$ 13.72	
Research And Development Cluster Research And Development Cluster	93.242	Mental Health Research Grants Mental Health Research Grants		Direct		1R21MH109942-01A1	\$ 29,58	
Research And Development Cluster	93.242	Mental Health Research Grants		Direct		1R34MH118314-01	\$ 80,18	
Research And Development Cluster	93.242	Mental Health Research Grants		Direct		1R61MH119291-01	\$ 28.20	
Research And Development Cluster	93.242	Mental Health Research Grants		Direct		3R01MH103310-03S1	\$ 26,88	3 \$ 20,004
Research And Development Cluster	93.242	Mental Health Research Grants		Direct		3R01MH106568-04S1	\$ 121,3	
Research And Development Cluster	93.242	Mental Health Research Grants		Direct		4R01MH052619-18	\$ (34,64	4) \$ -
Research And Development Cluster	93.242	Mental Health Research Grants		Direct		5R01MH102221-04	\$ 77,88	
Research And Development Cluster	93.242	Mental Health Research Grants		Direct		5R01MH103310-04	\$ 178,54	
Research And Development Cluster	93.242 93.242	Mental Health Research Grants		Direct Direct		5R01MH106568-05 5R01MH108467-02	\$ 558,8° \$ 4.86	
Research And Development Cluster Research And Development Cluster	93.242 93.242	Mental Health Research Grants Mental Health Research Grants		Direct Direct		5R01MH108467-02 5R01MH108467-05	\$ 4,86 \$ 299,82	
Research And Development Cluster	93.242	Mental Health Research Grants		Direct		5R01MH110630-03	\$ 411,05	
Research And Development Cluster	93.242	Mental Health Research Grants		Direct		5R03MH107766-02	\$ 24,44	
Research And Development Cluster	93.242	Mental Health Research Grants		Direct		5R03MH115429-02	\$ 69,4	0 \$ -
Research And Development Cluster	93.242	Mental Health Research Grants		Direct		5R21MH109942-02	\$ 164,84	
Research And Development Cluster	93.242	Mental Health Research Grants		Direct		5T32MH103213-03		4 \$ -
Research And Development Cluster	93.242	Mental Health Research Grants		Direct		5T32MH103213-04	\$ 285,7	
Research And Development Cluster	93.242	Mental Health Research Grants		Pass Through	BRIGHAM AND WOMEN'S	114873	\$ 242,64	3 \$ -
Research And Development Cluster	93.242	Mental Health Research Grants		Pass Through	HOSPITAL CHILDREN'S HOSPITAL OF	N02-CM-62212	\$ 15,28	5 \$ -
				_	PHILADELPHIA			
Research And Development Cluster	93.242	Mental Health Research Grants		Pass Through	COLUMBIA UNIVERSITY	3(GG013702-01)	\$ 192,9	
Research And Development Cluster	93.242	Mental Health Research Grants		Pass Through	PURDUE UNIVERSITY	11000421-005^4102-80009	\$ 13,5	
Research And Development Cluster	93.242	Mental Health Research Grants		Pass Through	RESEARCH FOUNDATION CITY	41846-A/4R01MH094310-04	\$ (1,2	u) \$ -
					UNIVERSITY OF NEW YORK			
Research And Development Cluster	93.242	Mental Health Research Grants		Pass Through	STANFORD UNIVERSITY	60715940-11747	\$ 64,39	0 \$ -
Research And Development Cluster	93.242	Mental Health Research Grants		Pass Through	UNIVERSITY OF CHICAGO	AWD062040-02-PR (5203518601-		
				ougii		4)	- 55,50	-
Research And Development Cluster	93.242	Mental Health Research Grants		Pass Through	UNIVERSITY OF KENTUCKY	3200001431-18-178	\$ 17,60	4 \$ -
•				_	RESEARCH FOUNDATION			
Research And Development Cluster	93.242	Mental Health Research Grants		Pass Through	UNIVERSITY OF NORTH	5106112	\$ 3,23	3 \$ -
					CAROLINA AT CHAPEL HILL			
Research And Development Cluster	93.242	Mental Health Research Grants		Pass Through	UNIVERSITY OF NORTH	5106129	\$ 4,4	9 \$ -
Research And Development Cluster	93.242	Mental Health Research Grants		Pass Through	CAROLINA AT CHAPEL HILL UNIVERSITY OF NORTH	5111499	\$ 66,32	R &
research And Development Cluster	13.242	Worker Fredrich Research Ordins		rass Illiuuyii	CAROLINA AT CHAPEL HILL	3111777	ψ 00,3.	-
Research And Development Cluster	93.242	Mental Health Research Grants		Pass Through	UNIVERSITY OF NORTH	5111500	\$ 38,00	2 \$ -
				ougii	CAROLINA AT CHAPEL HILL		- 55,00	-

Cluster	CFDA Number	CFDA Program Title	Federal Agency Highest Level	Direct or Pass	Pass Through Entity	Grant Number			Sub-recipient
Research And Development Cluster	93.242	Mental Health Research Grants	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Through Pass Through	UNIVERSITY OF UTAH	10042775-01	Expen \$	(1,340)	Expenditures
Research And Development Cluster	93.242	Mental Health Research Grants		Pass Through	UNIVERSITY OF WASHINGTON	UWSC8571	\$	8,578	
Research And Development Cluster	93.242	Mental Health Research Grants		Pass Through	WASHINGTON UNIVERSITY	WU-17-442	\$	12,328	
Research And Development Cluster Research And Development Cluster	93.242 93.242	Mental Health Research Grants Mental Health Research Grants		Pass Through Pass Through	WASHINGTON UNIVERSITY WASHINGTON UNIVERSITY	WU-17-45 WU-19-370	\$ \$	113,852 35,789	-
Research And Development Cluster	93.242 Total	Wertal Health Research Grants		Pass mough	WASHINGTON UNIVERSITY	WU-19-370		35,769	
Research And Development Cluster	93.243	Substance Abuse and Mental Health Services Projects of Regional and National Significance	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	HEALTH AND HOSPITAL CORPORATION OF MARION COUNTY		\$	43,777	
Research And Development Cluster	93.243	Substance Abuse and Mental Health Services Projects of Regional and National Significance		Pass Through	INDIANA STATE DEPARTMENT O HEALTH		\$	(128)	
Research And Development Cluster	93.243 93.243 Total	Substance Abuse and Mental Health Services Projects of Regional and National Significance		Pass Through	INDIANA STATE DEPARTMENT O HEALTH	F 25152	\$ \$	15,400 59,049	
Research And Development Cluster Research And Development Cluster	93.270	Viral Hepatitis Prevention and Control	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	INDIANA STATE DEPARTMENT O HEALTH	F 21093	\$	237	-
Research And Development Cluster Research And Development Cluster	93.270 Total 93.273	Alcohol Research Programs	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct		1F31AA025518-01A1	\$ \$	237 16,316	
Research And Development Cluster	93.273	Alcohol Research Programs	,	Direct		1F31AA026767-01A1	\$	27,366	-
Research And Development Cluster Research And Development Cluster	93.273 93.273	Alcohol Research Programs Alcohol Research Programs		Direct Direct		1F32AA026488-01A1 1K01AA026385-01	\$ \$	40,534 123,379	•
Research And Development Cluster	93.273	Alcohol Research Programs Alcohol Research Programs		Direct		1R01AA024588-01A1	\$	302,589	· -
Research And Development Cluster	93.273	Alcohol Research Programs		Direct		1R01AA025208-01	\$	9,402	
Research And Development Cluster	93.273	Alcohol Research Programs		Direct		1R01AA026014-01A1		252,479	
Research And Development Cluster Research And Development Cluster	93.273 93.273	Alcohol Research Programs Alcohol Research Programs		Direct Direct		1R01AA027236-01 1R03AA024891-01A1	\$	228,055 (37,246)	
Research And Development Cluster	93.273	Alcohol Research Programs		Direct		1R21AA026711-01A1	\$	118,481	
Research And Development Cluster	93.273	Alcohol Research Programs		Direct		1U01AA026103-01	\$	(937)	
Research And Development Cluster Research And Development Cluster	93.273 93.273	Alcohol Research Programs Alcohol Research Programs		Direct Direct		1U01AA026917-01 1U24AA026969-01	\$	94,659 534,763	-
Research And Development Cluster Research And Development Cluster	93.273	Alcohol Research Programs Alcohol Research Programs		Direct		1UH2AA026969-U1 1UH2AA026218-01	\$ \$	20,181	
Research And Development Cluster	93.273	Alcohol Research Programs		Direct		1UH2AA026903-01	\$	34,038	
Research And Development Cluster	93.273	Alcohol Research Programs		Direct		2P60AA007611-31	\$	966,316	
Research And Development Cluster	93.273	Alcohol Research Programs Alcohol Research Programs		Direct		2R13AA017055-11	\$ \$	12,688 195,991	
Research And Development Cluster Research And Development Cluster	93.273 93.273	Alcohol Research Programs Alcohol Research Programs		Direct Direct		2U01AA021840-06 3U01AA021840-05S1	\$	195,991 18,033	•
Research And Development Cluster	93.273	Alcohol Research Programs		Direct		3U01AA021883-05S1	\$	(4,546)	-
Research And Development Cluster	93.273	Alcohol Research Programs		Direct		4R01AA020396-05	\$	14,601	
Research And Development Cluster Research And Development Cluster	93.273 93.273	Alcohol Research Programs Alcohol Research Programs		Direct Direct		4R01AA020908-05 4U01AA021840-05	\$	(42,718) 679	
Research And Development Cluster	93.273	Alcohol Research Programs		Direct		4U01AA021840-05 REVISED	\$	4,503	-
Research And Development Cluster	93.273	Alcohol Research Programs		Direct		5F31AA025518-02	\$	11,441	•
Research And Development Cluster Research And Development Cluster	93.273 93.273	Alcohol Research Programs Alcohol Research Programs		Direct Direct		5K99AA025120-02 5P60AA007611-32	\$ \$	162,038 928,103	-
Research And Development Cluster	93.273	Alcohol Research Programs		Direct		5R00AA021802-05	\$	35,326	
Research And Development Cluster	93.273	Alcohol Research Programs		Direct		5R00AA023296-05	\$	225,707	-
Research And Development Cluster Research And Development Cluster	93.273 93.273	Alcohol Research Programs		Direct Direct		5R00AA023507-03 5R00AA023507-04	\$	218 161,557	-
Research And Development Cluster	93.273	Alcohol Research Programs Alcohol Research Programs		Direct		5R01AA012502-15	\$	86,117	
Research And Development Cluster	93.273	Alcohol Research Programs		Direct		5R01AA013650-15	\$	365,419	
Research And Development Cluster	93.273	Alcohol Research Programs		Direct		5R01AA021751-05	\$	129,508	
Research And Development Cluster Research And Development Cluster	93.273 93.273	Alcohol Research Programs Alcohol Research Programs		Direct Direct		5R01AA022287-05 5R01AA022476-05	\$	21,131 505,438	
Research And Development Cluster	93.273	Alcohol Research Programs		Direct		5R01AA023786-05	\$	298,947	
Research And Development Cluster	93.273	Alcohol Research Programs		Direct		5R01AA025784-04	\$	315,279	•
Research And Development Cluster Research And Development Cluster	93.273 93.273	Alcohol Research Programs Alcohol Research Programs		Direct Direct		5R03AA024891-02 5R13AA017055-10	\$ \$	78,715 3,615	
Research And Development Cluster	93.273	Alcohol Research Programs		Direct		5R21AA024216-02	\$	37,819	
Research And Development Cluster	93.273	Alcohol Research Programs		Direct		5R21AA024550-02	\$	217,716	
Research And Development Cluster	93.273	Alcohol Research Programs		Direct Direct		5R21AA024935-02	\$	14,128 791	
Research And Development Cluster Research And Development Cluster	93.273 93.273	Alcohol Research Programs Alcohol Research Programs		Direct		5T32AA007462-32 5T32AA007462-33	\$	791 414,292	
Research And Development Cluster	93.273	Alcohol Research Programs		Direct		5T32AA007462-34	\$	38,394	
Research And Development Cluster	93.273	Alcohol Research Programs		Direct		5U01AA024612-03	\$	(26,711)	
Research And Development Cluster Research And Development Cluster	93.273 93.273	Alcohol Research Programs Alcohol Research Programs		Direct Direct		5U01AA024612-04 5U01AA026103-02	\$ \$	431,792 365,397	
Research And Development Cluster	93.273	Alcohol Research Programs		Direct		5U01AA026103-03	\$	22,472	•
Research And Development Cluster	93.273	Alcohol Research Programs		Direct		5U24AA013522-17	\$	240,694	•
Research And Development Cluster Research And Development Cluster	93.273 93.273	Alcohol Research Programs Alcohol Research Programs		Direct Direct		5U24AA013522-18 5U24AA015512-12	\$ \$	120,994 2.128	
Research And Development Cluster	93.273	Alcohol Research Programs Alcohol Research Programs		Direct		5U24AA015512-12 5U24AA015512-14		415,413	
Research And Development Cluster	93.273	Alcohol Research Programs		Direct		5U24AA015512-15	\$	59,451	-
Research And Development Cluster Research And Development Cluster	93.273	Alcohol Research Programs		Direct		5UH2AA026218-02 HHSN275201400005C	\$	156,523	
Research And Development Cluster Research And Development Cluster	93.273 93.273	Alcohol Research Programs Alcohol Research Programs		Direct Direct		5R01AA024588-04	\$	159,214 226,893	
Research And Development Cluster	93.273	Alcohol Research Programs		Direct		1R01AA027214		281,488	
Research And Development Cluster	93.273	Alcohol Research Programs		Direct		5R01AA025208-04		222,815	
Research And Development Cluster Research And Development Cluster	93.273 93.273	Alcohol Research Programs Alcohol Research Programs		Pass Through Pass Through	CLEVELAND CLINIC CLEVELAND CLINIC	1106-SUB 895-SUB	\$ \$	9,978 4,897	
Research And Development Cluster	93.273	Alcohol Research Programs		Pass Through	PUBLIC HEALTH INSTITUTE	397	\$	16,789	
Research And Development Cluster	93.273	Alcohol Research Programs		Pass Through	RESEARCH FOUNDATION STATE UNIVERSITY NEW YORK	100-1009189-82217	\$ 1	,134,744	-
Research And Development Cluster	93.273	Alcohol Research Programs		Pass Through	RESEARCH FOUNDATION STATE UNIVERSITY NEW YORK	1009189-79064	\$	321,457	-
Research And Development Cluster	93.273	Alcohol Research Programs		Pass Through	VIRGINIA COMMONWEALTH UNIVERSITY	PD303496-SC105173	\$	54,279	
Research And Development Cluster Research And Development Cluster	93.273 Total 93.279	Drug Abuse and Addiction Research Programs	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct		1F31DA044728-01A1	\$ 11 \$	40,208	
Research And Development Cluster	93.279	Drug Abuse and Addiction Research Programs	TELETT THE HOWART SERVICES, DELARTMENT OF	Direct		1R01DA047858-01	\$	11,051	
Research And Development Cluster	93.279	Drug Abuse and Addiction Research Programs		Direct		1R01DA048012-01		147,033	
Research And Development Cluster Research And Development Cluster	93.279 93.279	Drug Abuse and Addiction Research Programs Drug Abuse and Addiction Research Programs		Direct		1R01DA048042-01 1R21DA040773-01A1	\$ \$	56,559 (20,135)	
research And Development Cluster	73.217	brug Abuse and Addiction Research Frograms		Direct		11/2 IDAU+0773-UTAT		(20,130)	-

Marie No. Mari	Cluster	CFDA Number	CFDA Program Title	Federal Agency Highest Level	Direct or Pass Through	Pass Through Entity	Grant Number	Federal Expenditures	Sub-recipient Expenditures
March Marc				HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct			\$ 43,192	\$ -
March Marc									
Marche M									
Marcheller Marchelle									
Part									
March March Agent Agen Agent									
March State 1987 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986 1986									
March of Personal P									
March Marc									
March 1985 1977 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1									\$ -
Second Second 19									\$ -
Second Control Contr									
Manufal Cales 1,70									
March of March of State 19									
Security Company Com	Research And Development Cluster						5R01DA039928-04		
Section of Companies of Companies 1972 1972 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974									
Second									
Stand And Contenting Clark 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200									
Stand									
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Manual And Charbeshwert Bidder 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 19	Research And Development Cluster	93.279	Drug Abuse and Addiction Research Programs		Direct		5R21DA040773-02	\$ 177,757	\$ -
Second Equation 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 197									\$ -
Section Accordance California Signal S									
Store 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900 1900									
Section Add Decisioners Clark 1976 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 197									
Season And December (1 - 1									
Reserved Appealment Cupier 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970	Research And Development Cluster	93.279	Drug Abuse and Addiction Research Programs		Direct		5R34DA036001-03	\$ 1,048	\$ 2,742
Recent Add Dockspeer Clarif 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978									
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Research And Development Claster Paul Paul Paul Paul Paul Paul Paul Paul	Research And Development Cluster	93.279	Drug Abuse and Addiction Research Programs		Pass Through	VIRGINIA COMMONWEALTH	PT110943-SC106171	\$ 45,341	\$ -
Research And Development Clasiar 91.279 foot	Research And Development Cluster	93.279	Drug Abuse and Addiction Research Programs		Pass Through			\$ 34,150	\$ -
Research And Development Cluster 9,283 Centers for Disease Control and Prevention Investigations and Technical Assistance Pass Through Pass Throug			Out of Discount of Description of Table 14 Action	LIFALTU AND LIBRAN CEDVICES DEDADTMENT OF	D Thomas	ECVENIA ZI LIENI TU			
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Research And Development Cluster 9.3.28 Total 1000000000000000000000000000000000000	·		·		· ·	RESEARCH FOUNDATION	246/5NU58DP005400-04-01		
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Research And Development Cluster 93.30 Trans-NIH Research Support HEALTH AND HUMAN SERVICES, DEPARTMENT OF Direct Direct 107200026671-01 \$ 387,631 \$ 172,733 Research And Development Cluster 93.310 Trans-NIH Research Support Direct 1U181R002208-01 \$ 2,879.8 \$ - Research And Development Cluster 93.310 Trans-NIH Research Support Direct 300120002671 \$ 3,110.0 \$ 3,110.0 \$ - Research And Development Cluster 93.310 Trans-NIH Research Support Direct 3001220026671 \$ 3,110.0 \$ - Research And Development Cluster 93.310 Trans-NIH Research Support Direct 3001343780002671 \$ (1,710) \$ - Research And Development Cluster 93.310 Trans-NIH Research Support Direct 300143780002672 \$ (1,718) \$ - Research And Development Cluster 93.310 Trans-NIH Research Support Direct 50016M116248-03 \$ (1,418) \$ (1,418) \$ (1,418) \$ (1,418) \$ (1,418) \$ (1,418) \$ (1,418) \$ (1,418) \$ (1,418) \$ (1,418) \$ (1,418) \$ (1,418)	Research And Development Cluster								
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Research And Development Cluster 93.10 Trans-NHR Research Support Direct 3U01EB023685-0251 \$ (1,00) \$ - Research And Development Cluster 93.10 Trans-NHR Research Support Direct 3U13TR000955-0351 \$ (218) \$ - Research And Development Cluster 93.10 Trans-NHR Research Support Direct 5U216M118340-02 \$ (218) \$ - Research And Development Cluster 93.10 Trans-NHR Research Support Direct 5U016M116248-03 \$ (14,81) \$ 41,959 Research And Development Cluster 93.310 Trans-NHR Research Support Direct 5U016M116248-03 \$ 14,110 \$ 41,959 Research And Development Cluster 93.310 Trans-NHR Research Support Direct 5U18TR002208-02 \$ 718,020 \$ 1,60 Research And Development Cluster 93.310 Trans-NHR Research Support Direct 5U18TR002208-02 \$ 718,020 \$ 1,60 Research And Development Cluster 93.310 Trans-NHR Research Support Direct 5U18TR002208-02 \$ 718,020 \$ 26,64 Research And Development Cluster 93.310 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>									
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Research And Development Cluster 93.310 Trans-NIH Research Support Direct 5R21GM118340-02 \$ (218) \$ - Research And Development Cluster 93.310 Trans-NIH Research Support Direct 5U01GM116248-03 \$ (14,18) \$ - Research And Development Cluster 93.310 Trans-NIH Research Support 5U01GM116248-04 \$ 413,110 \$ 413,110 \$ 413,110 \$ 416,700 Research And Development Cluster 93.310 Trans-NIH Research Support Direct 5U18TR002208-02 \$ 718,020 \$ - Research And Development Cluster 93.310 Trans-NIH Research Support Direct 7801AGW347920 \$ 8,040 \$ 8,040 \$ 8,040 \$ 8,040 \$ 8,040 \$ 8,040 \$ 8,040 \$ 8,040 \$ 8,040 \$ 8,040 \$ 8,040 \$ 8,040 \$ 8,040 \$ 8,040 \$ 8,040 \$ 8,040 \$ 8,040 \$ 8,040 \$ 8,040 \$ 8,040 \$ 8,040 \$ 8,040 \$ 8,040 \$ 8,040 \$ 8,040 \$ 8,040 \$ 8,040 \$ 8,040 \$ 8,040 \$ 8,040 \$ 8,040 \$ 8,040 \$ 8,040 \$ 8,040 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>									
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Research And Development Cluster 93.310 Trans-NIH Research Support Direct 5U18TR002208-02 \$ 718,02 45 - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410 > - 786,0410	Research And Development Cluster	93.310			Direct		5U01GM116248-03	\$ (14,819)	\$ -
Research And Development Cluster 93.10 Trans-NIH Research Support Direct 7801AG043972-06 \$ 365,410 \$ 206,647 Research And Development Cluster 93.30 Trans-NIH Research Support Pass Through ALBERT EINSTEIN COLLEGE OF 311106/5UG300023320-02 \$ 14,764 \$ 0.06,477									
Research And Development Cluster 93.310 Trans-NIH Research Support 93.10 Trans-NIH Research Support 93.10 \$11,4764\$ \$ -									
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Cluster	CFDA Number	CFDA Program Title	Federal Agency Highest Level	Direct or Pass Through	Pass Through Entity	Grant Number	Federal Expenditures	Sub-recipient Expenditures
Research And Development Cluster	93.310	Trans-NIH Research Support	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	ALBERT EINSTEIN COLLEGE OF MEDICINE OF YESHIVA UNI	311196/5UG3OD023320-02	\$ 31,122	
Research And Development Cluster	93.310	Trans-NIH Research Support		Pass Through	OREGON HEALTH & SCIENCE	1009658_INDIANA	\$ 106,955	\$.
				_	UNIVERSITY			
Research And Development Cluster Research And Development Cluster	93.310 93.310	Trans-NIH Research Support Trans-NIH Research Support		Pass Through Pass Through	PURDUE UNIVERSITY PURDUE UNIVERSITY	11000549-005 4102-77686/1OT2OD023847-01	\$ 92,705 \$ 3,635	
Research And Development Cluster	93.310	Trans-NIH Research Support		Pass Through	UNIVERSITY OF FLORIDA	UFDSP00010968	\$ 28,617	s -
Research And Development Cluster	93.310	Trans-NIH Research Support		Pass Through	UNIVERSITY OF WISCONSIN	17	\$ 12,325	
Research And Development Cluster	93.310 Total						\$ 2,075,416	
Research And Development Cluster	93.350	National Center for Advancing Translational Sciences	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct		1KL2TR002530-01	\$ 792,060	
Research And Development Cluster Research And Development Cluster	93.350 93.350	National Center for Advancing Translational Sciences National Center for Advancing Translational Sciences		Direct Direct		1TL1TR002531-01 1UL1TR002529-01	\$ 362,399 \$ 5,285,276	
Research And Development Cluster	93.350	National Center for Advancing Translational Sciences		Direct		5KL2TR001106-05	\$ 22,867	
Research And Development Cluster	93.350	National Center for Advancing Translational Sciences		Direct		5KL2TR002530-02	\$ 72,200	
Research And Development Cluster	93.350	National Center for Advancing Translational Sciences		Direct		5TL1TR001107-05	\$ 76,653	
Research And Development Cluster	93.350	National Center for Advancing Translational Sciences		Direct		5TL1TR002531-02	\$ 9,233	
Research And Development Cluster	93.350	National Center for Advancing Translational Sciences		Direct	WE AND ACCOUNTED	5UL1TR001108-05	\$ 518,762	
Research And Development Cluster Research And Development Cluster	93.350 93.350	National Center for Advancing Translational Sciences National Center for Advancing Translational Sciences		Pass Through Pass Through	KS AND ASSOCIATES UNIVERSITY OF PITTSBURGH	0055353 (129324-9)	\$ 86,815 \$ 4,445	
Research And Development Cluster	93.350	National Center for Advancing Translational Sciences		Pass Through	UNIVERSITY OF PITTSBURGH	0055353 (127324-7)	\$ 36,768	
Research And Development Cluster	93.350	National Center for Advancing Translational Sciences		Pass Through	UNIVERSITY OF PITTSBURGH	0056222 (131558-1)	\$ 32,412	\$ 8,600
Research And Development Cluster	93.350	National Center for Advancing Translational Sciences		Pass Through	VANDERBILT UNIVERSITY MEDICAL CENTER	VUMC 62798	\$ 62,010	\$ -
Research And Development Cluster	93.350 Total						\$ 7,361,900	
Research And Development Cluster Research And Development Cluster	93.351 93.351	Research Infrastructure Programs Research Infrastructure Programs	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct Direct		2P400D010949-15 3P400D018537-04S1	\$ 486,280 \$ 14,219	
Research And Development Cluster Research And Development Cluster	93.351 93.351	Research Infrastructure Programs Research Infrastructure Programs		Direct		3P400D018537-04S1 5P400D010949-16	\$ 14,219 \$ 205,306	
Research And Development Cluster	93.351	Research Infrastructure Programs		Direct		5P400D018537-02	\$ 109,964	
Research And Development Cluster	93.351	Research Infrastructure Programs		Direct		5P40OD018537-04	\$ 65,915	
Research And Development Cluster	93.351	Research Infrastructure Programs		Direct		5P40OD018537-05	\$ 2,026,546	
Research And Development Cluster	93.351	Research Infrastructure Programs		Direct		5P400D01949-14	\$ 31,627	
Research And Development Cluster	93.351	Research Infrastructure Programs		Direct Pass Through	DECOMPLNETICS	5R21OD026525-02	\$ 190,173	
Research And Development Cluster Research And Development Cluster	93.351 93.351 Total	Research Infrastructure Programs		Pass Inrough	RECOMBINETICS	2	\$ 6,966 \$ 3,136,996	
Research And Development Cluster	93.353	21st Century Cures Act - Beau Biden Cancer Moonshot	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct		1U01CA232491-01	\$ 240,838	
Research And Development Cluster	93.353	21st Century Cures Act - Beau Biden Cancer Moonshot		Direct		3P30CA082709-19S2	\$ 210,924	
Research And Development Cluster	93.353 Total						\$ 451,762	
Research And Development Cluster	93.361	Nursing Research	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct		1R01NR016116-01A1	\$ 203	
Research And Development Cluster Research And Development Cluster	93.361 93.361	Nursing Research Nursing Research		Direct Direct		5R01NR015255-03 5R01NR015255-04	\$ 293,790 \$ 116,808	
Research And Development Cluster	93.361	Nursing Research		Direct		5R01NR015676-06	\$ 253,462	
Research And Development Cluster	93.361	Nursing Research		Direct		5R01NR015789-02	\$ 83,588	
Research And Development Cluster	93.361	Nursing Research		Direct		5R01NR015789-03	\$ 260,507	
Research And Development Cluster	93.361	Nursing Research		Direct		5R01NR016116-04	\$ 615,004	
Research And Development Cluster	93.361	Nursing Research		Pass Through	BARRON ASSOCIATES, INC.	500-SC02	\$ (10,423)	
Research And Development Cluster Research And Development Cluster	93.361 Total 93.367	Flexible Funding Model - Infrastructure Development and Maintenance for State	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	INDIANA STATE DEPARTMENT OF	31897	\$ 1,612,939 \$ 478	
Research and Development Glaster	70.007	Manufactured Food Regulatory Programs	TEACHT AND TOWNS SERVICES, SELFANTINESS OF	russ rinough	HEALTH	0.077		•
Research And Development Cluster	93.367 Total						\$ 478	\$ -
Research And Development Cluster	93.393	Cancer Cause and Prevention Research	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct		1R01CA204121-01A1	\$ 33,700	
Research And Development Cluster Research And Development Cluster	93.393 93.393	Cancer Cause and Prevention Research Cancer Cause and Prevention Research		Direct Direct		1R01CA207530-01 1R15CA208543-01A1	\$ (1,966) \$ 167,284	
Research And Development Cluster	93.393	Cancer Cause and Prevention Research		Direct		1R21CA205434-01A1	\$ 73,396	
Research And Development Cluster	93.393	Cancer Cause and Prevention Research		Direct		5K05CA175048-05	\$ 78,897	
Research And Development Cluster	93.393	Cancer Cause and Prevention Research		Direct		5R01CA058376-24	\$ 453,525	\$ -
Research And Development Cluster	93.393	Cancer Cause and Prevention Research		Direct		5R01CA151367-05	\$ (7)	
Research And Development Cluster	93.393	Cancer Cause and Prevention Research		Direct		5R01CA157823-05	\$ 91,301	
Research And Development Cluster Research And Development Cluster	93.393 93.393	Cancer Cause and Prevention Research Cancer Cause and Prevention Research		Direct Direct		5R01CA157823-06 5R01CA194600-05	\$ 410,003 \$ 608,722	
Research And Development Cluster	93.393	Cancer Cause and Prevention Research		Direct		5R01CA204121-03	\$ 238,747	
Research And Development Cluster	93.393	Cancer Cause and Prevention Research		Direct		5R01CA206025-02	\$ 143,903	
Research And Development Cluster	93.393	Cancer Cause and Prevention Research		Direct		5R01CA206025-04	\$ 617,847	\$ 225,248
Research And Development Cluster	93.393	Cancer Cause and Prevention Research		Direct		5R01CA207530-03	\$ 356,780	
Research And Development Cluster Research And Development Cluster	93.393 93.393	Cancer Cause and Prevention Research Cancer Cause and Prevention Research		Direct Direct		5R01CA213466-02 5R01CA213466-03	\$ 210,061 \$ 420,108	
Research And Development Cluster	93.393	Cancer Cause and Prevention Research		Direct		5R03CA191527-02 REVISED	\$ (5,292)	\$ -
Research And Development Cluster	93.393	Cancer Cause and Prevention Research		Direct		5R03CA219779-02	\$ 87,968	
Research And Development Cluster	93.393	Cancer Cause and Prevention Research		Direct		5R21CA205434-02	\$ 80,927	
Research And Development Cluster	93.393	Cancer Cause and Prevention Research		Direct		7R01CA172742-06	\$ 155,950	
Research And Development Cluster	93.393	Cancer Cause and Prevention Research		Pass Through	CHILDREN'S HOSPITAL OF PHILADELPHIA	962709-RSUB	\$ 2,214	
Research And Development Cluster	93.393	Cancer Cause and Prevention Research		Pass Through	CHILDREN'S HOSPITAL OF PHILADELPHIA	UG1CA189955	\$ 22,826	
Research And Development Cluster	93.393	Cancer Cause and Prevention Research		Pass Through	ECOG-ACRIN CANCER RESEARCH GROUP		\$ 4,162	
Research And Development Cluster	93.393	Cancer Cause and Prevention Research		Pass Through	ECOG-ACRIN CANCER RESEARCH GROUP	EA1151	\$ 105,413	\$ -
Research And Development Cluster Research And Development Cluster	93.393	Cancer Cause and Prevention Research Cancer Cause and Prevention Research		Pass Through Pass Through	GEORGETOWN UNIVERSITY	411841_GR411064-IU 411841-GR411064-	\$ 88,327	
Research And Development Cluster	93.393	Cancer Cause and Prevention Research		Pass Inrougn	GEORGETOWN UNIVERSITY	IU/2R01CA129769-07	\$ 1,819	\$ -
Research And Development Cluster	93.393	Cancer Cause and Prevention Research		Pass Through	GEORGETOWN UNIVERSITY	412520_GR411040-IU-YR3	\$ 9,458	s -
Research And Development Cluster	93.393	Cancer Cause and Prevention Research		Pass Through	GEORGETOWN UNIVERSITY	413053_GR411040-IU	\$ 312,599	
Research And Development Cluster	93.393	Cancer Cause and Prevention Research		Pass Through	KLEIN BUENDEL	0310-0161-002	\$ 42,364	\$ -
Research And Development Cluster	93.393	Cancer Cause and Prevention Research		Pass Through	MEMORIAL SLOAN-KETTERING	BD525281	\$ 31,594	\$ -
Receased And Development Charter	93.393	Cancer Cause and Brayentian Research		Dace Through	CANCER CENTER OHIO STATE UNIVERSITY	60048674	\$ 149,756	¢
Research And Development Cluster Research And Development Cluster	93.393 93.393	Cancer Cause and Prevention Research Cancer Cause and Prevention Research		Pass Through Pass Through	OHIO STATE UNIVERSITY OHIO STATE UNIVERSITY	60048674	\$ 149,756 \$ 27,749	
Research And Development Cluster	93.393	Cancer Cause and Prevention Research		Pass Through	OHIO STATE UNIVERSITY	60056962/5R01CA196243-02	\$ 10,092	
Research And Development Cluster	93.393	Cancer Cause and Prevention Research		Pass Through	PENNSYLVANIA STATE	IUCA222648	\$ 25,877	
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Research And Development Cluster	93.393	Cancer Cause and Prevention Research		Pass Through	UNIVERSITY OF KENTUCKY	3200001451-18-237	\$ 43,556	
Research And Development Cluster Research And Development Cluster	93.393 Total	Cancer Detection and Diagnosis Research	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct		1R1CA202695-01A1	\$ 5,099,660	
research And Development Cluster	93.394	Cancer Detection and Diagnosis Research	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct		INTOAZUZU75-UTAT	\$ 3	•

Cluster	CFDA Number	CFDA Program Title	Federal Agency Highest Level	Direct or Pass Through	Pass Through Entity	Grant Number	Federal Expenditures	Sub-recipient Expenditures
Research And Development Cluster	93.394	Cancer Detection and Diagnosis Research	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct			\$ 27,590	s -
Research And Development Cluster	93.394	Cancer Detection and Diagnosis Research		Direct			\$ 363,969	
Research And Development Cluster	93.394	Cancer Detection and Diagnosis Research		Direct			\$ 70,677	
Research And Development Cluster	93.394	Cancer Detection and Diagnosis Research		Direct	KAISER FOUNDATION RESEARCH	5U01CA188547-03	\$ 360,363	
Research And Development Cluster	93.394	Cancer Detection and Diagnosis Research		Pass Through	INSTITUTE	209321-05	\$ 20,843	•
Research And Development Cluster	93.394	Cancer Detection and Diagnosis Research		Pass Through	UNIVERSITY OF MICHIGAN	SUBK00007669	\$ 36,795	
Research And Development Cluster	93.394	Cancer Detection and Diagnosis Research		Pass Through	UNIVERSITY OF TEXAS MD	3001180271	\$ 78,773	\$ -
Research And Development Cluster	93.394	Cancer Detection and Diagnosis Research		Pass Through	ANDERSON CANCER CENTER UNIVERSITY OF TEXAS MD	3001341883	\$ 25,775	\$ -
					ANDERSON CANCER CENTER			
Research And Development Cluster Research And Development Cluster	93.394 Total 93.395	Cancer Treatment Research	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct			\$ 984,788 \$ (460)	
Research And Development Cluster	93.395	Cancer Treatment Research	REALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct			\$ (460) \$ 26,104	
Research And Development Cluster	93.395	Cancer Treatment Research		Direct			\$ 306.437	
Research And Development Cluster	93.395	Cancer Treatment Research		Direct			\$ 87,778	
Research And Development Cluster	93.395	Cancer Treatment Research		Direct			\$ 119,409	
Research And Development Cluster	93.395	Cancer Treatment Research		Direct			\$ (2,661)	
Research And Development Cluster	93.395	Cancer Treatment Research		Direct		5R01CA167291-07	\$ 481,461	
Research And Development Cluster	93.395	Cancer Treatment Research		Direct		5R01CA167291-07S1	\$ 162,024	\$ -
Research And Development Cluster	93.395	Cancer Treatment Research		Direct			\$ 303,254	
Research And Development Cluster	93.395	Cancer Treatment Research		Direct			\$ 30,245	
Research And Development Cluster	93.395	Cancer Treatment Research		Direct		5R01CA182947-05		\$ -
Research And Development Cluster	93.395	Cancer Treatment Research		Direct			\$ 663	
Research And Development Cluster	93.395	Cancer Treatment Research		Direct		5R01CA197928-04	\$ 619,716	
Research And Development Cluster Research And Development Cluster	93.395 93.395	Cancer Treatment Research Cancer Treatment Research		Direct Direct		5R01CA200417-02 5R01CA200417-04	\$ (8,952) \$ 331.871	
Research And Development Cluster	93.395	Cancer Treatment Research		Direct			\$ 331,871 \$ 162,988	
Research And Development Cluster	93.395	Cancer Treatment Research		Direct		5R01CA203737-03 5R01CA203893-04	\$ 538.156	
Research And Development Cluster	93.395	Cancer Treatment Research		Direct			\$ 463,478	
Research And Development Cluster	93.395	Cancer Treatment Research		Direct			\$ 343,238	
Research And Development Cluster	93.395	Cancer Treatment Research		Direct		5R01CA221158-03	\$ 419,901	
Research And Development Cluster	93.395	Cancer Treatment Research		Direct		5R01CA222251-02	\$ 307,164	\$ 79,574
Research And Development Cluster	93.395	Cancer Treatment Research		Direct			\$ 426,923	
Research And Development Cluster	93.395	Cancer Treatment Research		Direct		5R01CA224493-02	\$ 358,117	\$ -
Research And Development Cluster	93.395	Cancer Treatment Research		Direct			\$ 52,464	
Research And Development Cluster	93.395	Cancer Treatment Research		Direct			\$ 7,653	
Research And Development Cluster	93.395	Cancer Treatment Research		Direct			\$ 149,502	
Research And Development Cluster	93.395	Cancer Treatment Research		Direct			\$ 428,952	
Research And Development Cluster	93.395 93.395	Cancer Treatment Research Cancer Treatment Research		Direct Direct			\$ (1,553) \$ 440,727	
Research And Development Cluster Research And Development Cluster	93.395	Cancer Treatment Research		Direct			\$ 440,727 \$ 95,680	
Research And Development Cluster	93.395	Cancer Treatment Research		Pass Through	BAYLOR COLLEGE OF MEDICINE		\$ 86,675	
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Research And Development Cluster	93.395	Cancer Treatment Research		Pass Through	BRIGHAM AND WOMEN'S HOSPITAL		\$ 16,732	
Research And Development Cluster	93.395	Cancer Treatment Research		Pass Through	CHILDREN'S HOSPITAL OF PHILADELPHIA	FP00015221_SUB711_01/U10CA1 80886	\$ 31,941	\$ -
Research And Development Cluster	93.395	Cancer Treatment Research		Pass Through	CHILDREN'S HOSPITAL OF	FP00017458_SUM190_01^200329	\$ 6,515	\$ -
Research And Development Cluster	93.395	Cancer Treatment Research		Pass Through	PHILADELPHIA CHILDREN'S HOSPITAL OF	17-RSUB U10CA098543	\$ 91,078	s -
Research And Development Cluster	93.395	Cancer Treatment Research		Pass Through	PHILADELPHIA CHILDREN'S HOSPITAL OF		\$ 57,673	
•				_	PHILADELPHIA			
Research And Development Cluster	93.395	Cancer Treatment Research		Pass Through	CHILDREN'S HOSPITAL OF PHILADELPHIA	UM1CA097452	\$ 32,503	\$ -
Research And Development Cluster	93.395	Cancer Treatment Research		Pass Through	DUKE UNIVERSITY	C140503 Site 170	\$ (734)	\$ -
Research And Development Cluster	93.395	Cancer Treatment Research		Pass Through	EASTERN COOPERATIVE ONCOLOGY	5UG1CA189828-02-INDU1	\$ 7,872	\$ -
Research And Development Cluster	93.395	Cancer Treatment Research		Pass Through	FIVE ELEVEN PHARMA		\$ 68,394	٠ .
Research And Development Cluster	93.395	Cancer Treatment Research		Pass Through	HB THERAPEUTICS INC		\$ 17,349	
Research And Development Cluster	93.395	Cancer Treatment Research		Pass Through	NERX BIOSCIENCES, INC.	NERx-2004	\$ 9,396	
Research And Development Cluster	93.395	Cancer Treatment Research		Pass Through	NORTHWESTERN UNIVERSITY	60042540 IU	\$ 80,030	\$ -
Research And Development Cluster	93.395	Cancer Treatment Research		Pass Through	PURDUE UNIVERSITY		\$ 5,384	
Research And Development Cluster	93.395	Cancer Treatment Research		Pass Through	PURDUE UNIVERSITY		\$ 63,490	
Research And Development Cluster	93.395	Cancer Treatment Research		Pass Through	SEATTLE CHILDREN'S	12015SUB	\$ 11,485	s -
Research And Development Cluster	93.395	Cancer Treatment Research		Pass Through	(HOSPITAL) UNIVERSITY OF ALABAMA	000515449-004 A02	\$ 1,138	\$ -
Research And Development Cluster	93.395	Cancer Treatment Research		Pass Through	BIRMINGHAM UNIVERSITY OF ILLINOIS AT	091166-17052	\$ 48,349	s -
•				_	URBANA-CHAMPAIGN			
Research And Development Cluster	93.395	Cancer Treatment Research		Pass Through	UNIVERSITY OF MARYLAND		\$ 162,102	
Research And Development Cluster Research And Development Cluster	93.395 93.395	Cancer Treatment Research Cancer Treatment Research		Pass Through Pass Through	UNIVERSITY OF MICHIGAN UNIVERSITY OF MICHIGAN	3004452992 3004452992/1R01CA214567-01	\$ 94,600 \$ 206	
Research And Development Cluster	73.373	Califer Heatment Research		rass milough	UNIVERSITI OF MICHIGAN	3004432772/TROTCA214307-01	\$ 200	• -
Research And Development Cluster	93.395	Cancer Treatment Research		Pass Through	UNIVERSITY OF MINNESOTA	H004627903	\$ 14,677	s -
Research And Development Cluster	93.395	Cancer Treatment Research		Pass Through	UNIVERSITY OF NORTH		\$ 698	
•				ű	CAROLINA AT CHAPEL HILL			
Research And Development Cluster	93.395 Total						\$ 7,865,712	
Research And Development Cluster	93.396	Cancer Biology Research	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct			\$ 98,193	
Research And Development Cluster	93.396	Cancer Biology Research		Direct			\$ 296,112	
Research And Development Cluster	93.396	Cancer Biology Research		Direct			\$ 142,471	
Research And Development Cluster Research And Development Cluster	93.396 93.396	Cancer Biology Research		Direct Direct			\$ 37,350 \$ 107,059	
	93.396	Cancer Biology Research						
Research And Development Cluster Research And Development Cluster	93.396 93.396	Cancer Biology Research Cancer Biology Research		Direct Direct			\$ (3,898) \$ 125,508	
Research And Development Cluster	93.396	Cancer Biology Research		Direct			\$ 125,506 \$ 56,541	
Research And Development Cluster	93.396	Cancer Biology Research		Direct		5R01CA075059-20 5R01CA151765-05	\$ (142)	
Research And Development Cluster	93.396	Cancer Biology Research		Direct			\$ 50,513	
Research And Development Cluster	93.396	Cancer Biology Research		Direct			\$ 283,701	
Research And Development Cluster	93.396	Cancer Biology Research		Direct		5R01CA194593-04	\$ 165,314	
Research And Development Cluster	93.396	Cancer Biology Research		Direct			\$ 333,348	
Research And Development Cluster	93.396	Cancer Biology Research		Direct			\$ 72,581	
Research And Development Cluster	93.396	Cancer Biology Research		Direct			\$ 458 \$ (2 EEQ)	
Research And Development Cluster	93.396	Cancer Biology Research		Direct		5R21CA202296-02	\$ (2,559)	•

Cluster	CFDA Number	CFDA Program Title	Federal Agency Highest Level	Direct or Pass Through	Pass Through Entity	Grant Number		ederal enditures	Sub-recipient Expenditures
Research And Development Cluster Research And Development Cluster	93.396 93.396	Cancer Biology Research Cancer Biology Research	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through Pass Through	BOSTON UNIVERSITY BROAD INSTITUTE	4500002871 5000035-5500000615	\$	40,628 35,551	\$ -
Research And Development Cluster	93.396	Cancer Biology Research		Pass Through	GEORGIA INSTITUTE OF	RJ409-G2	\$	133,522	
Research And Development Cluster	93.396	Cancer Biology Research		Pass Through	TECHNOLOGY GEORGIA INSTITUTE OF	RK465-G2	\$	69,185	\$ -
Research And Development Cluster	93.396	Cancer Biology Research		Pass Through	TECHNOLOGY HARVARD UNIVERSITY	152455.5084235.0302	\$	78,570	\$ -
Research And Development Cluster	93.396	Cancer Biology Research		Pass Through	HEALTH RESEARCH, INC. MEDICAL UNIVERSITY OF SOUTH	205-01-R01CA197996	\$ \$	7,624	
Research And Development Cluster	93.396	Cancer Biology Research		Pass Through	CAROLINA	MO2C10-024-0B400	Þ	13,706	•
Research And Development Cluster	93.396	Cancer Biology Research		Pass Through	SANFORD-BURNHAM MEDICAL RESEARCH INSTITUTE	59076-12624-IU	\$	(1,052)	\$ -
Research And Development Cluster	93.396	Cancer Biology Research		Pass Through	TEXAS A&M UNIVERSITY	23-M1802031	\$	14,649	s -
Research And Development Cluster	93.396	Cancer Biology Research		Pass Through	UNIVERSITY OF NOTRE DAME	203403IU	\$	29,000	
Research And Development Cluster	93.396	Cancer Biology Research		Pass Through	UNIVERSITY OF SOUTHERN CALIFORNIA	113370450	\$	147,248	\$ -
Research And Development Cluster	93.396	Cancer Biology Research		Pass Through	UNIVERSITY OF TEXAS MD ANDERSON CANCER CENTER	3001052839	\$	76,014	
Research And Development Cluster	93.396 93.396 Total	Cancer Biology Research		Pass Through	WAKE FOREST UNIVERSITY HEALTH SCIENCES	WFUHS 116219	\$ \$	70,481	
Research And Development Cluster Research And Development Cluster	93.397	Cancer Centers Support Grants	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct		32P30CA082709-17S6	\$	2,477,676 6,751	
Research And Development Cluster	93.397	Cancer Centers Support Grants		Direct		3P30CA082709-17S2	\$	130,204	\$ 119,647
Research And Development Cluster Research And Development Cluster	93.397	Cancer Centers Support Grants		Direct		3P30CA082709-18S2	\$ \$	106,515	
Research And Development Cluster	93.397 93.397	Cancer Centers Support Grants Cancer Centers Support Grants		Direct Direct		3P30CA082709-18S3 3P30CA082709-18S4	\$	78,510 56,097	
Research And Development Cluster	93.397	Cancer Centers Support Grants		Direct		3P30CA082709-19S1	\$	80,763	
Research And Development Cluster	93.397	Cancer Centers Support Grants		Direct		5P30CA082709-19	\$	2,239,124	
Research And Development Cluster Research And Development Cluster	93.397 93.397	Cancer Centers Support Grants Cancer Centers Support Grants		Direct Direct		5U54CA190151-04 5U54CA190151-05	\$	423,983 462,005	
Research And Development Cluster	93.397	Cancer Centers Support Grants		Direct		5U54CA196519-03	\$	802,585	
Research And Development Cluster	93.397	Cancer Centers Support Grants		Direct		5U54CA196519-04	\$	1,528,077	
Research And Development Cluster Research And Development Cluster	93.397 Total 93.398	Cancer Research Manpower	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct		1F31CA213731-01A1	\$	5,914,614 (439)	
Research And Development Cluster	93.398	Cancer Research Manpower	HEALTH AND HOWAN SERVICES, DEPARTMENT OF	Direct		1F31CA220964-01A1	\$	40,286	
Research And Development Cluster	93.398	Cancer Research Manpower		Direct		1F31CA236332-01	\$	20,115	\$ -
Research And Development Cluster Research And Development Cluster	93.398	Cancer Research Manpower Cancer Research Manpower		Direct Direct		5F30CA200227-02 REVISED	\$	12	
Research And Development Cluster	93.398 93.398	Cancer Research Manpower Cancer Research Manpower		Direct		5F30CA200301-03 5F30CA210518-03	\$	(565) 48,174	
Research And Development Cluster	93.398	Cancer Research Manpower		Direct		5F31CA220964-02	\$		\$ -
Research And Development Cluster	93.398	Cancer Research Manpower		Direct		5K07CA168883-05	\$		\$ -
Research And Development Cluster Research And Development Cluster	93.398 93.398	Cancer Research Manpower Cancer Research Manpower		Direct Direct		5K22CA207575-02 5T32CA117865-12	\$ \$	179,920 15.339	s -
Research And Development Cluster	93.398	Cancer Research Manpower		Direct		5T32CA117865-13	\$	249,845	\$ -
Research And Development Cluster	93.398	Cancer Research Manpower		Direct		5K23CA212272-04	\$	125,940	
Research And Development Cluster Research And Development Cluster	93.398 Total 93.424	NON-ACA/PPHF—Building Capacity of the Public Health System to Improve Population	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	EHEALTH AFRICA	2018-005	\$	691,302 9,453	
		Health through National Nonprofit Organizations	THE TOWN SERVICES, SET WITHER OF	russ mough	ELEXETT / I KIO/	2010 000	•		
Research And Development Cluster Research And Development Cluster	93.424 Total 93.433	ACL National Institute on Disability, Independent Living, and Rehabilitation Research	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct		90DP0036-03-00	\$	9,453 196,870	
Research And Development Cluster	93.433	ACL National Institute on Disability, Independent Living, and Rehabilitation Research		Direct		90DP0057-04-00	\$	202,390	\$ 1,981
Research And Development Cluster	93.433	ACL National Institute on Disability, Independent Living, and Rehabilitation Research		Direct		90DPTB0002-01-00	\$	60,884	\$ 4,661
Research And Development Cluster	93.433	ACL National Institute on Disability, Independent Living, and Rehabilitation Research		Direct		90DPTB0002-02-00	\$	238,514	\$ 247
Research And Development Cluster	93.433	ACL National Institute on Disability, Independent Living, and Rehabilitation Research		Direct		90IF00-95-03-01	\$	97,677	\$ 5,409
Research And Development Cluster	93.433	ACL National Institute on Disability, Independent Living, and Rehabilitation Research		Pass Through	CRAIG HOSPITAL (COLORADO)	2694-IUBY1	\$	25	
Research And Development Cluster	93.433	ACL National Institute on Disability, Independent Living, and Rehabilitation Research		Pass Through	MEMORIAL HERMANN HEALTH SYSTEM	19-MEMRI-NCE-02^8100101-05	\$	4,626	
Research And Development Cluster	93.433	ACL National Institute on Disability, Independent Living, and Rehabilitation Research		Pass Through	REHABILITATION INSTITUTE OF CHICAGO	90RT5027	\$	259,347	\$ 106,078
Research And Development Cluster	93.433	ACL National Institute on Disability, Independent Living, and Rehabilitation Research		Pass Through	TIRR MEMORIAL HERMAN	8100101-03	\$	34,517	\$ -
Research And Development Cluster Research And Development Cluster	93.433 Total 93.558	Temporary Assistance for Needy Families	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	INDIANA FAMILY AND SOCIAL	18606	\$ \$	1,094,850 264,802	
nescaren and severopment oraster	70.000	Temporary Passaulie for Needy Families	TELETITATION TO THE SECURE OF SECURE	russ mough	SERVICES ADMINISTRATION	10000	•	201,002	12,000
Research And Development Cluster Research And Development Cluster	93.558 Total 93.630	Developmental Disabilities Basic Support and Advocacy Grants	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	INDIANA GOVERNOR'S COUNCIL FOR PEOPLE WITH DISABILITIES		\$	264,802 60,355	
Research And Development Cluster	93.630	Developmental Disabilities Basic Support and Advocacy Grants		Pass Through	INDIANA GOVERNOR'S COUNCIL		\$	69,007	s -
				-	FOR PEOPLE WITH DISABILITIES				
Research And Development Cluster	93.630	Developmental Disabilities Basic Support and Advocacy Grants		Pass Through	INDIANA GOVERNOR'S COUNCIL FOR PEOPLE WITH DISABILITIES		\$	26,050	\$ -
Research And Development Cluster	93.630 Total 93.631	Developmental Disabilities Projects of National Significance	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	INDIANA DIV. OF DISABILITY &	21200	\$ \$	155,412 55,651	
Research And Development Cluster	73.031	Developmental disabilities Projects of National Significance	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	rass mough	REHABILITATIVE SERVIC	31276	Þ	33,031	•
Research And Development Cluster Research And Development Cluster	93.631 Total 93.758	Preventive Health and Health Services Block Grant funded solely with Prevention and Public Health Funds (PPHF)	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	INDIANA STATE DEPARTMENT OF	15450	\$ \$	55,651 3,947	
Research And Development Cluster	93.758 Total	Labite Freatti Fullus (FFFIF)			HEALIT		\$	3,947	s -
Research And Development Cluster	93.788	Opioid STR	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	INDIANA FAMILY AND SOCIAL SERVICES ADMINISTRATION	22349	\$	112,844	\$ 20,000
Research And Development Cluster	93.788 Total 93.837	Cardiovaccular Discassos Research	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct		100111 124500 01	\$	112,844 22,418	
Research And Development Cluster Research And Development Cluster	93.837	Cardiovascular Diseases Research Cardiovascular Diseases Research	TILALTIT AND HUMAN SERVICES, DEPARTMENT OF	Direct Direct		1P01HL134599-01 1R01HL120920-04	\$	11,494	
Research And Development Cluster	93.837	Cardiovascular Diseases Research		Direct		1R01HL132921-01A1	\$	(3,934)	
Research And Development Cluster	93.837	Cardiovascular Diseases Research		Direct		1R01HL132927-01A1	\$	(27,134)	\$ -

				rect or Pass Through	Pass Through Entity	Grant Number		Federal Expenditures		-recipient
Manufact 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 1932 193	Direct	Di		mougn				•		-
March Marc							-			116,525
Second Second 1920							\$			-
Second S							\$	2,343		
Marrier Marr							\$	57,273		29,548
Second Decomposition of Sub-Print of Superior Decomposition of Super							\$	84,777		-
Statement Continue							\$	25,140		
Second Personal Per								366,567 94,241		28,121
Macard And December (2009) 19,127 Controvated Processes Stated 19,127 Contro							3	94,241		20,121
Second December 1977 Colorated Pears 1978 Colorated Pears Colorated Pear								73,465		
Statemen for Commercent Control 1987 1988 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1989 1							\$	33,020		
Second Act Content C								156,516		
Second Second Column 1927								869,290		
Secure of the Contented (1987) 1977 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 1978 19							\$	2,478,325		-
Rigade Pot Control Control Control Control Rigade Pot Pot Rigade Po	Direct	Di	Direct			5R01HL060714-17	\$	95,163		
Research de Development Caleir 23.27 Cardonous Devotor Benerol Personal	Direct	Di	Direct			5R01HL104129-08	\$	139,572	\$	
Research And Development Dutter 1921 Carlos Control Decose Research Part Part Carlos Control Decose Research Part Pa	Direct	Di	Direct				\$	3,570	\$	-
	Direct	Di	Direct			5R01HL117620-05	\$	2,506	\$	-
States Part						5R01HL121197-04	\$	167,346		-
Rispant And Dockstermen Cluster 1922 Cardonoutre Rispants Rispant And Dockstermen Cluster 1922 Cardonoutre Rispants Rispant							\$	498,081		82,660
Recent And Development Quite \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000								377,036		64,899
Missand And Development Claim Missand And Development Clai							\$	254,257		-
Research And Development Claster 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922							\$	230,023		-
Recent And Development Cluster 1942 1943 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 19							\$	97,064		18,009
Recent And Development Claster \$1,000							\$	507,013		246,078
Second And Development Claric 18,127 Contentant Disson Recent Programment Claric 18,127 Contentant Disson Recen							-	80,177		-
Recent And Development Cubin 1937 Confessorable Protecting P							\$	323,811		41 500
Recent And Development Clark 19.87 Cardescader Descent Recent And Development Clark 19.87 Cardescader Descent Recent R							\$	385,567 190,724		61,538
Recent And Development Claims \$4,337							-			-
Recent And Development Claster 93.87 Carl Dev							3	458,770		15 011
Recent And Development Claims \$1,527 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,572 \$2,57							\$	458,770 298,618		15,811
Research And Downstyment Claster 93.87 Confinement Research Part Confinement And Downstyment Claster 93.87 Confinement Research Part Confinement Research Part Par							¢	(1,891)		-
Research And Development Culater 93.87 Conformation Diseases Research Part Transport Culater P								1,079,582		899.309
Recent And Dovelogment Claster								308,506		191,648
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Research And Development Cluster 93.83 Lung Diseases Research 5 Direct 4R0HL109629-04 \$.01,073

Cluster	CFDA Number	CFDA Program Title	Federal Agency Highest Level	Direct or Pass Through	Pass Through Entity	Grant Number	Federal Expenditures	Sub-recipient Expenditures
Research And Development Cluster	93.838	Lung Diseases Research	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct		5R01HL029289-32	\$ 656,179	\$ -
Research And Development Cluster	93.838	Lung Diseases Research		Direct		5R01HL116211-04	\$ 2	
Research And Development Cluster	93.838	Lung Diseases Research		Direct		5R01HL122215-04	\$ 488,376	
Research And Development Cluster	93.838	Lung Diseases Research		Direct		5R01HL127342-04	\$ 513,813 \$ 377,773	
Research And Development Cluster Research And Development Cluster	93.838 93.838	Lung Diseases Research Lung Diseases Research		Direct Direct		5R01HL131730-02 5R01HL131730-03	\$ 377,773 \$ 268.757	
Research And Development Cluster	93.838	Lung Diseases Research		Direct		5R01HL132358-02	\$ 223,786	
Research And Development Cluster	93.838	Lung Diseases Research		Direct		5R01HL132358-02 5R01HL132358-03	\$ 108,837	
Research And Development Cluster	93.838	Lung Diseases Research		Direct		5R01HL142638-02	\$ 234,365	
Research And Development Cluster	93.838	Lung Diseases Research		Direct		5R35HL140019-02	\$ 164,737	
Research And Development Cluster	93.838	Lung Diseases Research		Direct		5T32HL091816-09	\$ 158,524	
Research And Development Cluster	93.838	Lung Diseases Research		Direct		5T32HL091816-10	\$ 101,969	
Research And Development Cluster	93.838	Lung Diseases Research		Direct		5U01HL121831-05	\$ 382,750	\$ 253,331
Research And Development Cluster	93.838	Lung Diseases Research		Direct		7F30HL136169-02	\$ 37,871	\$ -
Research And Development Cluster	93.838	Lung Diseases Research		Pass Through	ALLINAIRE THERAPEUTICS		\$ 47,087	
Research And Development Cluster	93.838	Lung Diseases Research		Pass Through	CALIFORNIA MEDICAL INNOVATIONS INSTITUTE	CALMI2-2015-001	\$ 47,427	
Research And Development Cluster	93.838	Lung Diseases Research		Pass Through	CALIFORNIA MEDICAL INNOVATIONS INSTITUTE	U01HL118738	\$ (3,899)	
Research And Development Cluster	93.838	Lung Diseases Research		Pass Through	CHILDREN'S HOSPITAL OF PHILADELPHIA	3200930818	\$ 1,213	\$ -
Research And Development Cluster	93.838	Lung Diseases Research		Pass Through	CHILDREN'S HOSPITAL OF PHILADELPHIA	3200930819	\$ 12,026	\$ -
Research And Development Cluster	93.838	Lung Diseases Research		Pass Through	CHILDREN'S HOSPITAL OF PHILADELPHIA	3201040419^FP25431_SUB04_01	\$ 29,406	\$ -
Research And Development Cluster	93.838	Lung Diseases Research		Pass Through	CHILDREN'S HOSPITAL OF PHILADELPHIA	3201040419^FP25431_SUB05_01	\$ 205,237	s -
Research And Development Cluster	93.838	Lung Diseases Research		Pass Through	CLEVELAND CLINIC	1104-SUB	\$ 14,298	s -
Research And Development Cluster	93.838	Lung Diseases Research		Pass Through	CLEVELAND CLINIC	861-SUB	\$ 2,333	
Research And Development Cluster	93.838	Lung Diseases Research		Pass Through	CLEVELAND CLINIC FOUNDATION		\$ 95,001	
Research And Development Cluster	93.838	Lung Diseases Research		Pass Through	CLEVELAND CLINIC FOUNDATION	1178-SUB	\$ 26,841	\$ -
Research And Development Cluster	93.838	Lung Diseases Research		Pass Through	CLEVELAND CLINIC FOUNDATION	986-SUB	\$ (4,659)	\$ -
Percent And Douglassest Chate	93.838	Lung Diceases Receases		Pass Through	DUKE UNIVERSITY	2031445	\$ 3.177	e
Research And Development Cluster Research And Development Cluster	93.838	Lung Diseases Research			JOHNS HOPKINS UNIVERSITY	2031445	\$ 3,177 \$ 1.563	
Research And Development Cluster	93.838	Lung Diseases Research Lung Diseases Research		Pass Through Pass Through	OREGON HEALTH & SCIENCE	1006309_INDIANA	\$ 45,983	
Research And Development Cluster	93.838	Lung Diseases Research		Pass Through	UNIVERSITY OREGON HEALTH & SCIENCE	1008666_INDIANA	\$ 328,986	\$ -
Research And Development Cluster	93.838	Lung Diseases Research		Pass Through	UNIVERSITY SEATTLE CHILDREN'S RESEARCH	10953SUB	\$ 47,265	\$ -
Research And Development Cluster	93.838	Lung Diseases Research		Pass Through	INSTITUTE UNIVERSITY OF ILLINOIS AT	16970	\$ 23,029	\$ -
Research And Development Cluster	93.838	Lung Diseases Research		Pass Through	CHICAGO UNIVERSITY OF NORTH	5050209	\$ (1,289)	\$ -
Research And Development Cluster	93.838	Lung Diseases Research		Pass Through	CAROLINA AT CHAPEL HILL VIRGINIA COMMONWEALTH	FP00001149_SA001	\$ 3,299	\$ -
Research And Development Cluster	93.838 Total				UNIVERSITY		\$ 5,622,401	\$ 943,846
Research And Development Cluster	93.839	Blood Diseases and Resources Research	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct		1R01HL140961-01A1	\$ 131,244	
Research And Development Cluster	93.839	Blood Diseases and Resources Research		Direct		1R01HL146137-01	\$ 196,070	\$ -
Research And Development Cluster	93.839	Blood Diseases and Resources Research		Direct		1R35HL139599-01	\$ 667,983	\$ -
Research And Development Cluster	93.839	Blood Diseases and Resources Research		Direct		5R01HL096305-09	\$ 207,038	\$ -
Research And Development Cluster	93.839	Blood Diseases and Resources Research		Direct		5R01HL111656-07	\$ 610,103	
Research And Development Cluster	93.839	Blood Diseases and Resources Research		Direct		5R01HL131093-04	\$ 695,637	
Research And Development Cluster	93.839	Blood Diseases and Resources Research		Direct		5R01HL132921-03	\$ 338,514	
Research And Development Cluster	93.839	Blood Diseases and Resources Research		Direct		5R01HL133191-02		\$ 81.650
Research And Development Cluster	93.839	Blood Diseases and Resources Research		Direct		5R21HL139934-02	\$ 101,005	
Research And Development Cluster	93.839	Blood Diseases and Resources Research		Direct		5R35HL139599-02	\$ 281,199	
Research And Development Cluster	93.839	Blood Diseases and Resources Research		Direct		5T32HL007910-19	\$ 155,947	
Research And Development Cluster	93.839	Blood Diseases and Resources Research		Direct		5T32HL007910-20	\$ 160,559	\$ -
Research And Development Cluster	93.839	Blood Diseases and Resources Research		Pass Through	CINCINNATI CHILDREN'S	304035	\$ 62,545	
					HOSPITAL MEDICAL CENTER			
Research And Development Cluster	93.839	Blood Diseases and Resources Research		Pass Through	RIMEDION INC	2R42HL099150-02A1	\$ 108,283	
Research And Development Cluster Research And Development Cluster	93.839 93.839	Blood Diseases and Resources Research		Pass Through	UNIVERSITY OF FLORIDA UNIVERSITY OF IOWA	UFDSP00012178 S00492-01	\$ 119,646 \$ 11,289	
Research And Development Cluster		Blood Diseases and Resources Research		Pass Through				
Research And Development Cluster Research And Development Cluster	93.839 93.839	Blood Diseases and Resources Research Blood Diseases and Resources Research		Pass Through Pass Through	UNIVERSITY OF MICHIGAN UNIVERSITY OF PENNSYLVANIA	3004662681 570162^RIS32923	\$ 27,682 \$ 53,582	
Research And Development Cluster		Blood Diseases and Resources Research						
	93.839			Pass Through	VANDERBILT UNIVERSITY MEDICAL CENTER WASHINGTON UNIVERSITY	VUMC60997		
Research And Development Cluster Research And Development Cluster	93.839 93.839 Total	Blood Diseases and Resources Research		Pass Through	WASHINGTON UNIVERSITY	WU-15-421	\$ 24,120 \$ 4,335,197	
Research And Development Cluster	93.840	Translation and Implementation Science Research for Heart, Lung, Blood Diseases, and Sleep Disorders	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	MOI UNIVERSITY FACULTY OF		\$ 15,350	
Research And Development Cluster	93.840 Total	and Sleep districts			HEALTH SCIENCES		\$ 15,350	s -
Research And Development Cluster	93.846	Arthritis, Musculoskeletal and Skin Diseases Research	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct		1F31AR070624-01A1	\$ (1,987)	
Research And Development Cluster Research And Development Cluster	93.846	Arthritis, Musculoskeletal and Skin Diseases Research Arthritis, Musculoskeletal and Skin Diseases Research	TILALTT AND HUMAN SERVICES, DEPARTMENT OF	Direct		1F31AR070624-01A1 1F32AR074893-01	\$ (1,987)	
Research And Development Cluster Research And Development Cluster	93.846	Arthritis, Musculoskeletal and Skin Diseases Research Arthritis, Musculoskeletal and Skin Diseases Research		Direct		1P30AR072581-01	\$ 2,457 \$ 93,578	
	93.846	Arthritis, Musculoskeletal and Skin Diseases Research Arthritis, Musculoskeletal and Skin Diseases Research		Direct		1R01AR069029-01A1	\$ 93,578 \$ 29,404	
Research And Development Cluster Research And Development Cluster	93.846	Arthritis, Musculoskeletal and Skin Diseases Research Arthritis, Musculoskeletal and Skin Diseases Research		Direct		1R01AR069657-01	\$ 29,404 \$ (19,102)	
Research And Development Cluster Research And Development Cluster	93.846	Arthritis, Musculoskeletal and Skin Diseases Research Arthritis, Musculoskeletal and Skin Diseases Research				1R15AR069936-01A1		
Research And Development Cluster Research And Development Cluster	93.846	Arthritis, Musculoskeletal and Skin Diseases Research Arthritis, Musculoskeletal and Skin Diseases Research		Direct Direct		1R15AR069936-01A1 1R15AR069943-01		
Research And Development Cluster Research And Development Cluster	93.846	Arthritis, Musculoskeletal and Skin Diseases Research Arthritis, Musculoskeletal and Skin Diseases Research		Direct		1R21AR074908-01	\$ 35,214	
Research And Development Cluster Research And Development Cluster	93.846 93.846	Arthritis, Musculoskeletal and Skin Diseases Research Arthritis, Musculoskeletal and Skin Diseases Research		Direct		5F31AR070624-02 5K25AR067221-03	\$ 6,357	
Research And Development Cluster Research And Development Cluster	93.846 93.846	Arthritis, Musculoskeletal and Skin Diseases Research Arthritis, Musculoskeletal and Skin Diseases Research		Direct Direct		5K25AR067221-03 5P30AR072581-02	\$ 625 \$ 840,434	
		Arthritis, Musculoskeletal and Skin Diseases Research Arthritis, Musculoskeletal and Skin Diseases Research				5P30AR072581-02 5R01AR052144-18		
Research And Development Cluster	93.846			Direct			\$ 263,984	
Research And Development Cluster	93.846	Arthritis, Musculoskeletal and Skin Diseases Research		Direct		5R01AR053237	\$ 34,591	
Research And Development Cluster	93.846	Arthritis, Musculoskeletal and Skin Diseases Research		Direct		5R01AR057308-11	\$ 324,620	
Research And Development Cluster	93.846	Arthritis, Musculoskeletal and Skin Diseases Research		Direct		5R01AR059357-07	\$ 330,860	
Research And Development Cluster	93.846	Arthritis, Musculoskeletal and Skin Diseases Research Arthritis, Musculoskeletal and Skin Diseases Research		Direct		5R01AR064081-04	\$ 15,840	
Research And Development Cluster Research And Development Cluster	93.846 93.846	Arthritis, Musculoskeletal and Skin Diseases Research Arthritis, Musculoskeletal and Skin Diseases Research		Direct Direct		5R01AR067210-05 5R01AR068332-02	\$ 311,905 \$ 25,753	
Research And Development Cluster	73.040	ALUHIUS, INIUSCUIUSKOIOTAI AHU SKIII DISCASES RESEATOTI		Direct		JNO (ARUU0332-UZ	ψ 20,/03	-

Observation	OFDA N	CFDA Program Title	·	Direct or Pass	Describeration of Faither	O1 No1	Federal	Sub-recipient
Cluster	CFDA Number	· · · · · · · · · · · · · · · · · · ·	Federal Agency Highest Level	Through	Pass Through Entity	Grant Number	Expenditures	Expenditures
Research And Development Cluster Research And Development Cluster	93.846 93.846	Arthritis, Musculoskeletal and Skin Diseases Research Arthritis, Musculoskeletal and Skin Diseases Research	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct Direct		5R01AR068332-03 5R01AR069029-03	\$ 597 \$ 342,211	\$ -
Research And Development Cluster	93.846	Arthritis, Musculoskeletal and Skin Diseases Research		Direct			\$ 394,167	
Research And Development Cluster	93.846	Arthritis, Musculoskeletal and Skin Diseases Research		Direct			\$ 285,593	
Research And Development Cluster	93.846	Arthritis, Musculoskeletal and Skin Diseases Research		Direct			\$ 306,078	
Research And Development Cluster	93.846	Arthritis, Musculoskeletal and Skin Diseases Research		Direct		5R01AR074473-02	\$ 295,583	
Research And Development Cluster	93.846	Arthritis, Musculoskeletal and Skin Diseases Research		Direct Direct		5R035AR065149-03		\$ -
Research And Development Cluster Research And Development Cluster	93.846 93.846	Arthritis, Musculoskeletal and Skin Diseases Research Arthritis, Musculoskeletal and Skin Diseases Research		Direct		5R03AR068724-03 5R21AR067918-02 REVISED	\$ 30,100 \$ 56,903	
Research And Development Cluster	93.846	Arthritis, Musculoskeletal and Skin Diseases Research		Direct		5R21AR068472-02	\$ 55,671	
Research And Development Cluster	93.846	Arthritis, Musculoskeletal and Skin Diseases Research		Direct		5R21AR068615-03	\$ 99,454	
Research And Development Cluster	93.846	Arthritis, Musculoskeletal and Skin Diseases Research		Direct		5R21AR070329-02	\$ 88,398	
Research And Development Cluster	93.846	Arthritis, Musculoskeletal and Skin Diseases Research		Direct			\$ 360,190	
Research And Development Cluster	93.846	Arthritis, Musculoskeletal and Skin Diseases Research		Direct		5T32AR062495-05	\$ 34,368	
Research And Development Cluster Research And Development Cluster	93.846 93.846	Arthritis, Musculoskeletal and Skin Diseases Research Arthritis, Musculoskeletal and Skin Diseases Research		Direct Direct		5T32AR065971-02 5T32AR065971-03	\$ (3,158) \$ (6,438)	
Research And Development Cluster	93.846	Arthritis, Musculoskeletal and Skin Diseases Research		Direct			\$ 312,090	\$ -
Research And Development Cluster	93.846	Arthritis, Musculoskeletal and Skin Diseases Research		Direct			\$ 67,603	
Research And Development Cluster	93.846	Arthritis, Musculoskeletal and Skin Diseases Research		Direct		5R01AR068332-05	\$ 346,759	
Research And Development Cluster	93.846	Arthritis, Musculoskeletal and Skin Diseases Research		Direct		5R01AR053237-13	\$ 566,499	
Research And Development Cluster	93.846	Arthritis, Musculoskeletal and Skin Diseases Research		Direct		5R01AR073739-02	\$ 236,066	
Research And Development Cluster	93.846	Arthritis, Musculoskeletal and Skin Diseases Research		Direct	IOUNIC HODEING UNIVERSITY	5R21AR074012-02	\$ 153,216	
Research And Development Cluster Research And Development Cluster	93.846 93.846	Arthritis, Musculoskeletal and Skin Diseases Research Arthritis, Musculoskeletal and Skin Diseases Research		Pass Through Pass Through	JOHNS HOPKINS UNIVERSITY MARIAN UNIVERSITY	R01AR064066 MU1801	\$ 90 \$ 33,294	
Research And Development Cluster	93.846	Arthritis, Musculoskeletal and Skin Diseases Research		Pass Through	NORTHWESTERN UNIVERSITY	60050312 IU	\$ 33,294 \$ 20,964	\$ -
Research And Development Cluster	93.846	Arthritis, Musculoskeletal and Skin Diseases Research		Pass Through	PURDUE UNIVERSITY	11000687-008^4102-85218	\$ 55,102	\$.
Research And Development Cluster	93.846	Arthritis, Musculoskeletal and Skin Diseases Research		Pass Through	TENNESSEE TECH UNIVERSITY	BL88362892	\$ 11,285	
Research And Development Cluster	93.846	Arthritis, Musculoskeletal and Skin Diseases Research		Pass Through	UNIVERSITY OF CALIFORNIA, DAVIS	201301098-02	\$ (257)	\$ -
Research And Development Cluster	93.846	Arthritis, Musculoskeletal and Skin Diseases Research		Pass Through	UNIVERSITY OF COLORADO COLORADO SPRINGS		\$ 5,582	
Research And Development Cluster Research And Development Cluster	93.846 93.846	Arthritis, Musculoskeletal and Skin Diseases Research Arthritis, Musculoskeletal and Skin Diseases Research		Pass Through Pass Through	UNIVERSITY OF MISSOURI- KANSAS CITY UNIVERSITY OF MISSOURI-	0075789/00055081 0075789/00055081/R21AR071563-	\$ 6,302 \$ 6,059	
Research And Development Cluster	93.846	Arthritis, Musculoskeletal and Skin Diseases Research Arthritis, Musculoskeletal and Skin Diseases Research		Pass Through	KANSAS CITY UNIVERSITY OF MISSOURI- UNIVERSITY OF PENNSYLVANIA	01	\$ 6,059	
Research And Development Cluster	93.846	Arthritis, Musculoskeletal and Skin Diseases Research		Pass Through	UNIVERSITY OF PITTSBURGH		\$ 24,241	s -
Research And Development Cluster	93.846 Total						\$ 6,826,999	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct			\$ 508,973	
Research And Development Cluster Research And Development Cluster	93.847 93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct Direct		1F30DK115162-01A1 1K23DK102824-01A1	\$ 5,961 \$ (912)	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		1K23DK102824-01A1	\$ 810	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		1R01DK107623-01A1	\$ (22,335)	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		1R01DK107682-01A1	\$ 4,191	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		1R01DK108342-01A1	\$ 237,207	\$ -
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		1R01DK110871-01	\$ 80,173	
Research And Development Cluster Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		1R01DK112293-01 1R01DK116603-01A1	\$ 104,734	
Research And Development Cluster Research And Development Cluster	93.847 93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct Direct		1R01DK116603-01A1	\$ 447,401 \$ 133,484	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		1R01DK118433-01A1	\$ 30,004	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		1R56DK119524-01	\$ 89,693	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		1U01DK119099-01	\$ 235,496	\$ -
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct			\$ 80,714	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct			\$ 19,988	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		2R01DK027221-37A1	\$ (78,553)	
Research And Development Cluster Research And Development Cluster	93.847 93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct Direct		2R01DK060581-14A1 2R01DK093954-06A1	\$ (348) \$ 54,379	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		2R56DK093954-06A1	\$ 54,379 \$ 143,532	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct			\$ 189,261	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct			\$ 362,728	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		3P30DK079312-12S1	\$ 28,342	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct			\$ 29,837	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		3T32DK064466-15S2	\$ 25,752	
Research And Development Cluster Research And Development Cluster	93.847 93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct Direct		3U01DK094438-05S1 3U01DK108323-04S1	\$ 111 \$ 508,798	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct			\$ 34,109	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		5F32DK108554-03	\$ 15,423	\$ -
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		5K01DK102492-05	\$ 82,130	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		5K01DK114383-02	\$ 128,278	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct			\$ 163,801	
Research And Development Cluster Research And Development Cluster	93.847 93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct Direct		5K08DK107864-04 5K08DK110429-04	\$ 222,021 \$ 134,142	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct			\$ 134,142 \$ 207,159	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		5K08DK113226-02	\$ 158,049	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		5K23DK098235-05	\$ 137,805	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct			\$ 153,251	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		5K23DK109202-03	\$ 160,121	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct			\$ 167,459	
Research And Development Cluster Research And Development Cluster	93.847 93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct Direct			\$ 175,473 \$ 1,319,982	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct			\$ 889,373	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct			\$ 155,004	\$ -
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		5R01DK027221-40	\$ 374,675	\$ -
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct			\$ 353,358	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct			\$ 556,297	
Research And Development Cluster Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		5R01DK091623-08	\$ 419,135 \$ 337.454	
Research And Development Cluster Research And Development Cluster	93.847 93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct Direct		5R01DK093954-08 5R01DK095784-05	\$ 337,454 \$ 59,402	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct			\$ 69,569	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		5R01DK105588-04	\$ 411,906	\$ 196,775
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct			\$ 539,123	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct			\$ 392,433	
Research And Development Cluster	93.847 93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		5R01DK107682-04	\$ 408,944	
Research And Development Cluster	73.047	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		5R01DK109051-02	\$ (19,714)	\$ -

Cluster	CFDA Number	CFDA Program Title	Federal Agency Highest Level	Direct or Pass	Pass Through Entity	Grant Number	Federal	Sub-recipient
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Through Direct		5R01DK109051-03	\$ 257,827	Expenditures \$
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		5R01DK109188-04	\$ 504,712	
Research And Development Cluster Research And Development Cluster	93.847 93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct Direct		5R01DK110871-04 5R01DK111651-03	\$ 581,069 \$ 328,186	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		5R01DK111051-03 5R01DK112293-03	\$ 192,435	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		5R01DK112958-02	\$ 177,895	\$ -
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		5R01DK114222-02	\$ 250,979	
Research And Development Cluster Research And Development Cluster	93.847 93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct Direct		5R01DK114718-03 5R01DK116605-02	\$ 236,980 \$ 263,364	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		5R01DK116963-02	\$ 223,270	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		5R01DK117934-02	\$ 519,213	\$ 159,376
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		5R03DK114641-02	\$ 97,757	
Research And Development Cluster Research And Development Cluster	93.847 93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct Direct		5R03DK115990-02 5R21DK108134-02	\$ 89,087 \$ 4,845	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		5R21DK110263-02	\$ 5,565	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		5R25DK099080-05	\$ 43,056	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		5R25DK099080-06 5T32DK007519-32	\$ 328	
Research And Development Cluster Research And Development Cluster	93.847 93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct Direct		5T32DK007519-32 5T32DK007519-33	\$ (6,081) \$ 226,166	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		5T32DK064466-15	\$ (5,854)	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		5T32DK065549-13	\$ 1,490	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		5T32DK065549-14	\$ 200,122	
Research And Development Cluster Research And Development Cluster	93.847 93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct Direct		5U01DK048406-25 5U01DK048406-26	\$ 198,935 \$ 122,531	\$ - \$ -
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		5U01DK061737-16	\$ 11,969	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		5U01DK061737-17	\$ 298,567	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		5U01DK065211-15	\$ 17,404	
Research And Development Cluster Research And Development Cluster	93.847 93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct Direct		5U01DK084536-09 5U01DK084536-10	\$ (57) \$ 378,458	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		5U01DK084536-10 5U01DK094438-05	\$ 347.813	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		5U01DK107014-03 REVISED	\$ (6,341)	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		5U01DK107014-04	\$ 431,735	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		5U01DK108323-03	\$ 86,853	
Research And Development Cluster Research And Development Cluster	93.847 93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct Direct		5U54DK106846-03 5U54DK106846-04	\$ 111,976 \$ 801,901	\$ -
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		5UG3DK114923-02		\$ 65,263
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		7F32DK107157-03	\$ 4,553	\$ -
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		7R01DK107310-05	\$ 19,858	
Research And Development Cluster Research And Development Cluster	93.847 93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct Direct		5R01DK118536-02 5K01DK115633-03	\$ 434,980 \$ 62,833	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Direct		5K01DK113033-03 5K01DK110216-04	\$ 137,124	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Pass Through	ARBOR RESEARCH		\$ 20,582	
					COLLABORATIVE FOR HEALTH			
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Pass Through	AUGUSTA UNIVERSITY	30835-2/2U24DK076169	\$ 7,188 \$ 950	
Research And Development Cluster Research And Development Cluster	93.847 93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research Diabetes, Digestive, and Kidney Diseases Extramural Research		Pass Through Pass Through	AUGUSTA UNIVERSITY AUGUSTA UNIVERSITY	32307-21 32307-24	\$ 950 \$ 37,932	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Pass Through	BAYLOR COLLEGE OF MEDICINE	700000739	\$ 21,189	
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Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Pass Through	CASE WESTERN RESERVE UNIVERSITY	RES513526	\$ 39,886	\$ -
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Pass Through	CHILDREN'S HOSPITAL MEDICAL	135927	\$ 17,807	s -
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Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Pass Through	CHILDREN'S HOSPITAL OF PHILADELPHIA	330182	\$ 6,123	\$ -
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Pass Through	CHILDREN'S HOSPITAL OF	3301820719	\$ 11,581	s -
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Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Pass Through	CITY OF HOPE	51504.2000556.669310	\$ 8,958	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Pass Through	CITY OF HOPE	51504.2000556.669310/5U01DK1	\$ 42,169	\$ 7,014
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Pass Through	CITY OF HOPE	04162-03 51504.2000556.669321	\$ 82,534	¢ .
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Pass Through	CITY OF HOPE	53308 2003839 669304	\$ 16,341	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Pass Through	COLUMBIA UNIVERSITY	5(GG015009-01)	\$ 11,063	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Pass Through	DUKE UNIVERSITY	2037923	\$ 13,269	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Pass Through	GEORGE WASHINGTON UNIVERSITY	R01DK104845	\$ 2,418	\$ -
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Pass Through	GEORGE WASHINGTON	S-GRD1718-SC9	\$ 34,767	\$ -
				_	UNIVERSITY			
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Pass Through	GEORGE WASHINGTON	S-GRD1819-SC9	\$ 318,449	\$ -
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Pass Through	UNIVERSITY JAEB CENTER FOR HEALTH	DAN05	\$ 13,766	s .
Research And Development cluster	73.047	Simpores, Digestive, and Kidney Discases Extratitural Research		rass mrough	RESEARCH INC	5,1100	y 13,700	•
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Pass Through	JOHNS HOPKINS UNIVERSITY	2003833509	\$ 14,651	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Pass Through	MAYO CLINIC, ROCHESTER	63471408	\$ 18,137	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Pass Through	MEDICAL UNIVERSITY OF SOUTH	MUSC18-078-8D377	\$ 11,087	\$ -
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Pass Through	CAROLINA NATIONWIDE CHILDREN'S	700043-0518-00	\$ (718)	\$ -
, , , , , , , , , , , , , , , , , , , ,		,			HOSPITAL			
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Pass Through	NATIONWIDE CHILDREN'S	700043-0519-00	\$ 1,155	\$ -
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Pass Through	HOSPITAL NATIONWIDE CHILDREN'S	700155-0119-00	\$ 4,476	s -
					HOSPITAL			•
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Pass Through	NATIONWIDE CHILDREN'S	700155-0320-00	\$ 4,390	\$ -
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Pass Through	HOSPITAL NATIONWIDE CHILDREN'S	700158-0219-00	\$ 3,182	\$ -
Research And Development Cluster	73.047	biabetes, bigestive, and kidney biseases Extramidial Research		rass Illiougii	HOSPITAL	700138-0217-00	3,102	· -
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Pass Through	NATIONWIDE CHILDREN'S	720187-0618-00^82124916	\$ 13,107	\$ -
				_	HOSPITAL			
Research And Development Cluster Research And Development Cluster	93.847 93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Pass Through Pass Through	OHIO STATE UNIVERSITY PURDUE UNIVERSITY	60050982 4102-79907	\$ 71,528 \$ 54,136	
Research And Development Cluster Research And Development Cluster	93.84 <i>1</i> 93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research Diabetes, Digestive, and Kidney Diseases Extramural Research		Pass Through Pass Through	RUTGERS UNIVERSITY	4102-79907 217	\$ 54,136 \$ 188,159	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Pass Through	STANFORD UNIVERSITY	60980368-115260	\$ 81,073	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Pass Through	UNIVERSITY OF ALABAMA	000508172-SP006-005	\$ 1,875	
Decease And Development Classic	02.047	Dishates Dissative and Vidney Diseases Entremyral Decree		Door Through	BIRMINGHAM	41.4001	¢ (2 FFT)	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Pass Through	UNIVERSITY OF ARIZONA	414081	\$ (2,557)	• -

Cluster	CFDA Number	CFDA Program Title	Federal Agency Highest Level	Direct or Pass Through	Pass Through Entity	Grant Number		ures	Sub-recipient Expenditures
Research And Development Cluster Research And Development Cluster	93.847 93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research Diabetes, Digestive, and Kidney Diseases Extramural Research	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through Pass Through	UNIVERSITY OF CHICAGO UNIVERSITY OF CHICAGO	FP046970-03-A FP046970-03-B		1,144 5,070	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Pass Through	UNIVERSITY OF CHICAGO	FP046970-03-C	\$ 42	2,113	\$ -
Research And Development Cluster Research And Development Cluster	93.847 93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research Diabetes, Digestive, and Kidney Diseases Extramural Research		Pass Through Pass Through	UNIVERSITY OF FLORIDA UNIVERSITY OF MICHIGAN	UFDSP00012319 SUBK00002630		7,077 1,563	\$ - \$
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Pass Through	UNIVERSITY OF MISSISSIPPI MEDICAL CENTER	66678510818	\$ 4	0,216	\$ -
Research And Development Cluster Research And Development Cluster	93.847 93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research Diabetes, Digestive, and Kidney Diseases Extramural Research		Pass Through Pass Through	UNIVERSITY OF PITTSBURGH UNIVERSITY OF SOUTH FLORIDA	0019927 (124826-10A) 6119-1295-00-C		6,844 1,540	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Pass Through	UNIVERSITY OF SOUTH FLORIDA	6163-1051-00-BD	\$ 1	5,318	\$ -
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Pass Through	UNIVERSITY OF SOUTH FLORIDA	6163-1051-00-BI	\$ 1	3,248	\$ -
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Pass Through	UNIVERSITY OF TEXAS MD ANDERSON CANCER CENTER	3000987092	\$ 6	0,787	\$ -
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Pass Through	UNIVERSITY OF TEXAS MD ANDERSON CANCER CENTER	3001128251	\$ 1	0,149	\$ -
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Pass Through	UNIVERSITY OF WASHINGTON	UWSC7926	\$ 30	4,512	\$ -
Research And Development Cluster Research And Development Cluster	93.847 93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research Diabetes, Digestive, and Kidney Diseases Extramural Research		Pass Through Pass Through	UNIVERSITY OF WISCONSIN WAKE FOREST UNIVERSITY	701K783 WFUHS 113617/ R01DK099164		5,183 4,946	
Research And Development Cluster	93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research		Pass Through	WASHINGTON UNIVERSITY	WU-15-395-MOD-3		5,868	
Research And Development Cluster Research And Development Cluster	93.847 93.847 Total	Diabetes, Digestive, and Kidney Diseases Extramural Research		Pass Through	WAYNE STATE UNIVERSITY	WSU18081	\$ 22,56	0,850 2,505	\$ 1,630,159
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct		1R01NS098772-01A1		5,106	
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders		Direct		1R01NS104489-01A1		3,410	
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders		Direct		1R21NS108128-01	\$ 18	6,089	
Research And Development Cluster Research And Development Cluster	93.853 93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders Extramural Research Programs in the Neurosciences and Neurological Disorders		Direct Direct		1R21NS109896-01A1 1U01NS110437-01	\$ 26	510 : 3,212 :	
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders		Direct		2R01NS055349-11		9,077	
Research And Development Cluster	93.853	Extramutal Research Programs in the Neurosciences and Neurological Disorders Extramutal Research Programs in the Neurosciences and Neurological Disorders		Direct		2R01NS082284-06A1		6,117	
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders		Direct		2R56NS053422-10	\$	(336)	
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders		Direct		5D43NS078280-04		3,510	
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders		Direct		5K08NS092895-04		6,247	
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders		Direct		5K22NS092688-05		0,245	
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders		Direct		5R01NS040433-15 REVISED		3,950)	
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders		Direct		5R01NS055349-10		6,426	
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders		Direct		5R01NS056454-10		0,267	
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders		Direct		5R01NS078171-04		9,421	
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders		Direct		5R01NS082284-05		6,808	
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders		Direct		5R01NS086794-06		2,248	
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders		Direct		5R01NS094389-02		2,541	
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders		Direct		5R01NS094389-05		8,857	
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders		Direct		5R01NS098772-03	\$ 44	6,054	\$ 162,215
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders		Direct		5R01NS102415-02		5,075	
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders		Direct		5R01NS102449-02		0.445	
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders		Direct		5R21NS093441-02	\$	5,817)	s -
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders		Direct		5R33NS095139-03		0,504	
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders		Direct		5R56NS053422-13		9,641	
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders		Direct		5U24NS095871-03		8,773	
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders		Direct		5U24NS095871-04		7,944	
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders		Direct		7D43NS078280-05		7,137)	
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders		Direct		5R01NS103481-03		0,750	
Research And Development Cluster	93.853	Extramutal Research Programs in the Neurosciences and Neurological Disorders		Direct		7R01NS042617-11		1,981	
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders		Pass Through	MARQUETTE UNIVERSITY	70712-2		7,499	
Research And Development Cluster	93.853	Extramutal Research Programs in the Neurosciences and Neurological Disorders		Pass Through	MASSACHUSETTS GENERAL	226396		4,510	
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders		Pass Through	HOSPITAL MASSACHUSETTS GENERAL			2,125	
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders		Pass Through	HOSPITAL MEDICAL COLLEGE OF	1U24NS100648-01	\$	(93)	
Assessed And Development Glustel	73.033	Endomina research Frograms in the recursciences and recurringfied Districts		i ass illiougii	WISCONSIN	. 52 1193 100010-01	Ψ	(73)	

Cluster	CFDA Number	CFDA Program Title	Federal Agency Highest Level	Direct or Pass	Pass Through Entity	Grant Number	Federal	Sub-recipient
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Through Pass Through	MEDICAL COLLEGE OF	orant Number	\$ 6,412	Expenditures
				_	WISCONSIN	DOMOGRAPOUL		
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders		Pass Through	MICHIGAN STATE UNIVERSITY	RC108450IU	\$ 106,611	\$ -
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders		Pass Through	NORTHWESTERN UNIVERSITY	60051731 IU	\$ 20,479	\$ -
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders		Pass Through	NORTHWESTERN UNIVERSITY	60051733 IU	\$ 24,430	s -
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders		Pass Through	REGENTS OF THE UNIVERSITY	9673sc	\$ 39,575	٠.
		·		-	OF CALIFORNIA			
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders		Pass Through	REGENTS OF THE UNIVERSITY OF CALIFORNIA	9673sc/1R01NS092764-01A1	\$ 15,018	\$ -
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders		Pass Through	UNIVERSITY OF ALABAMA	000513792-002	\$ 42,405	s -
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders		Pass Through	BIRMINGHAM UNIVERSITY OF CALIFORNIA,	11031sc	\$ 13,414	s -
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders		Pass Through	SAN FRANCISCO UNIVERSITY OF CALIFORNIA,	7930sc	\$ 18,114	e
•		·		rass mough	SAN FRANCISCO	7730SC		
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders		Pass Through	UNIVERSITY OF CALIFORNIA, SAN FRANCISCO	9953sc	\$ 319	\$ -
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders		Pass Through	UNIVERSITY OF CINCINNATI	008566-011/5R01NS055860-10	\$ 11,446	\$ -
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders		Pass Through	UNIVERSITY OF CINCINNATI	09554-014	\$ 24,956	s -
Second And Second Studen				-	LINUXEDGITY OF LOWA	C00000 04		
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders		Pass Through	UNIVERSITY OF IOWA	S00339-01	\$ 56,715	\$ -
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders		Pass Through	UNIVERSITY OF KENTUCKY	3200001354-18-012	\$ (1,327)	\$ -
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders		Pass Through	UNIVERSITY OF KENTUCKY	3200002000-19-020	\$ 425,349	\$ -
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders		Pass Through	UNIVERSITY OF KENTUCKY	3200002000-19-022	\$ 10,444	s -
				-				
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders		Pass Through	UNIVERSITY OF KENTUCKY	3210000951-19-027	\$ 53,085	\$ -
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders		Pass Through	UNIVERSITY OF	OSP2017012	\$ 167,852	\$ -
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders		Pass Through	MASSACHUSETTS UNIVERSITY OF MIAMI	SPC-000481	\$ 234,646	s -
Research And Development Cluster	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders		Pass Through	WORCESTER POLYTECHNIC	16-210950-02	\$ 10,552	e
		Extramular Research Programs in the Neurosciences and Neurological Disorders		rass mough	INSTITUTE	10-210730-02		
Research And Development Cluster Research And Development Cluster	93.853 Total 93.855	Allergy and Infectious Diseases Research	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct		1F31AI138430-01	\$ 7,868,554 \$ 27,590	
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research	TEACHT AND HOWARD SERVICES, DELARTMENT OF	Direct		1F32AI126643-01A1	\$ 5,193	
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Direct		1K08AI146278-01	\$ 1,429	
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Direct		1R01AI120792-01A1	\$ 17,770	
Research And Development Cluster Research And Development Cluster	93.855 93.855	Allergy and Infectious Diseases Research Allergy and Infectious Diseases Research		Direct		1R01AI123271-01A1 1R01AI132771-01	\$ 16 \$ 28,993	
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research Allergy and Infectious Diseases Research		Direct Direct		1R01AI144022-01	\$ 26,993 \$ 57,564	
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Direct		1R01AI144430-01A1	\$ 206,736	
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Direct		1R03AI130751-01A1	\$ (233)	
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Direct		1R03AI131072-02	\$ 49,046	
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Direct		1R21AI135155-01A1	\$ 221,922	
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Direct		1R21AI142383-01	\$ 134,997	
Research And Development Cluster Research And Development Cluster	93.855 93.855	Allergy and Infectious Diseases Research Allergy and Infectious Diseases Research		Direct Direct		1R21AI142471-01 1R21AI144256-01	\$ 62,338 \$ 39,693	
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Direct		1R21AI144881-01		
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Direct		1R21AI145239-01	\$ 23,907	
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Direct		1U01AI138283-01	\$ 357,354	\$ 64,379
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Direct		2R01AI1110637-05	\$ 113,432	
Research And Development Cluster Research And Development Cluster	93.855 93.855	Allergy and Infectious Diseases Research		Direct Direct		2R01AI51390-17 2R56AI099278-06	\$ 329,456 \$ 233,632	
Research And Development Cluster Research And Development Cluster	93.855	Allergy and Infectious Diseases Research Allergy and Infectious Diseases Research		Direct		3R21AI119516-02S1	\$ 233,632 \$ (39)	
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Direct		4UH3AI128894-03	\$ 179,645	
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Direct		5F32AI126643-02	\$ 53,935	
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Direct		5K08AI125682-03	\$ 220,455	
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Direct		5K23AI135094-02	\$ 186,474	
Research And Development Cluster Research And Development Cluster	93.855 93.855	Allergy and Infectious Diseases Research Allergy and Infectious Diseases Research		Direct Direct		5R01AI057459-14 5R01AI083640-10	\$ 412,711 \$ 379,350	
Research And Development Cluster Research And Development Cluster	93.855 93.855	Allergy and Infectious Diseases Research Allergy and Infectious Diseases Research		Direct		5R01AI083640-10 5R01AI085046-10	\$ 379,350 \$ 373,183	
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Direct		5R01AI095046-10	\$ 373,183	
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Direct		5R01AI095282-07	\$ 519,289	\$ -
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Direct		5R01AI098686-05	\$ 72,186	
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Direct		5R01AI104905-06	\$ 247,387	
Research And Development Cluster Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Direct		5R01AI104944-04	\$ 247,383	
Research And Development Cluster Research And Development Cluster	93.855 93.855	Allergy and Infectious Diseases Research Allergy and Infectious Diseases Research		Direct Direct		5R01AI108888-04 5R01AI110637-04	\$ 266,069 \$ 105,593	
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Direct		5R01AI110037-04 5R01AI110762-02	\$ 91.610	
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Direct		5R01AI110762-04	\$ 290,709	\$ -
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Direct		5R01AI114435-04		
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Direct		5R01AI116496-05	\$ 356,357	
Research And Development Cluster Research And Development Cluster	93.855 93.855	Allergy and Infectious Diseases Research Allergy and Infectious Diseases Research		Direct Direct		5R01AI116706-04 5R01AI117835-05	\$ 762,853 \$ 564,601	
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research Allergy and Infectious Diseases Research		Direct		5R01AI118933-02	\$ 24,664	
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Direct		5R01AI118933-04	\$ 264,844	
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Direct		5R01AI120792-03	\$ 318,776	\$ 197,335
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Direct		5R01AI120962-04	\$ 531,626	
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research Allergy and Infectious Diseases Research		Direct		5R01AI123271-03 5R01AI123457-04	\$ 287,948	
Research And Development Cluster	93.855 93.855	Allergy and Infectious Diseases Research Allergy and Infectious Diseases Research		Direct Direct		5R01AI123457-04 5R01AI123457-04S1	\$ 560,016 \$ 39,313	
Research And Development Cluster		Allergy and Infectious Diseases Research Allergy and Infectious Diseases Research		Direct		5R01AI123457-0451 5R01AI124723-04	\$ 363,763	
Research And Development Cluster Research And Development Cluster								
Research And Development Cluster Research And Development Cluster Research And Development Cluster	93.855 93.855	Allergy and Infectious Diseases Research		Direct		5R01AI127695-02	\$ 503,884	\$ 8,529
Research And Development Cluster Research And Development Cluster Research And Development Cluster	93.855 93.855	Allergy and Infectious Diseases Research Allergy and Infectious Diseases Research		Direct		5R01AI129241-03	\$ 453,651	\$ -
Research And Development Cluster Research And Development Cluster	93.855	Allergy and Infectious Diseases Research						\$ - \$ 67,517

Cluster	CFDA Number	CFDA Program Title	Federal Agency Highest Level	Direct or Pass	Pass Through Entity	Grant Number	Federal	Sub-recipien	
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Through Direct		5R01AI134818-02	\$ 162,64	s Expenditures	S
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research	HEALTH AND HOWAIN SERVICES, DEPARTMENT OF	Direct		5R01AI139176-02	\$ 368,42	13 \$	
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Direct		5R03AI122127-02		25 \$ 29,82	25
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Direct		5R03AI130751-02		52 \$	-
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Direct		5R03AI135356-02	\$ 68,49		-
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Direct		5R21AI110773-02		2 \$	
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Direct		5R21AI121450-02		51 \$ 17,42	27
Research And Development Cluster Research And Development Cluster	93.855 93.855	Allergy and Infectious Diseases Research Allergy and Infectious Diseases Research		Direct Direct		5R21AI121664-02 5R21AI121786-02	\$ (27,29 \$ 11.39	75) \$ 18 \$	
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Direct		5R21AI121841-02		12 \$	
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Direct		5R21AI121849-02		35 \$	
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Direct		5R21AI122837-02		70) \$	-
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Direct		5R21AI125822-02		3 \$	
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Direct		5R21AI128116-02	\$ 205,45		
Research And Development Cluster Research And Development Cluster	93.855 93.855	Allergy and Infectious Diseases Research Allergy and Infectious Diseases Research		Direct Direct		5R21AI137918-02 5R21AI138255-02	\$ 244,40 \$ 188.3		
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Direct		5R21AI139992-02	\$ 179,3		
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Direct		5R33AI104268-05	\$ 114,54		
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Direct		5T32AI007637-17	\$ 31,05	57 \$	-
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Direct		5T32AI007637-18	\$ 159,92		-
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Direct		5T32AI060519-14	\$ 24,29		-
Research And Development Cluster Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Direct		5T32AI060519-15	\$ 261,53		-
Research And Development Cluster Research And Development Cluster	93.855 93.855	Allergy and Infectious Diseases Research Allergy and Infectious Diseases Research		Direct Direct		5U01AI069911-12 5U01AI069911-13	\$ 1,306,08 \$ 2,175,12		
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Direct		5U01AI131337-04		27 \$ 1,030,41	10
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Direct		5U01AI138283-02	\$ 143,86		
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Direct		5UH2AI128894-02		88 \$	
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Direct		7U01AI131337-03	\$ 481,20	7 \$ 3,18	86
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Pass Through		311273	\$ 20,14	14 \$	-
					MEDICINE				
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Pass Through	BENAROYA RESEARCH INSTITUTE AT VIRGINIA MASON	FY18ITN107	\$ 110,63	.9 \$	-
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Pass Through	BENAROYA RESEARCH INSTITUTE AT VIRGINIA MASON	FY18ITN181	\$ 71,35	56 \$	-
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Pass Through	BENAROYA RESEARCH INSTITUTE AT VIRGINIA MASON	FY19ITN107	\$ 5,12	23 \$	-
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Pass Through	BENAROYA RESEARCH INSTITUTE AT VIRGINIA MASON	FY19ITN181	\$ 14,0	3 \$	
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Pass Through	BOSTON COLLEGE	5104471-2	\$ 33.19	96 \$	
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Pass Through	BRIGHAM AND WOMEN'S	115077/R01AI123001		20) \$	
		3,			HOSPITAL				
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Pass Through	INSTITUTO DE INVESTIGACIONES BIOTECHNOLOGICAS		\$ 24,89	90 \$	-
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Pass Through	JOHNS HOPKINS UNIVERSITY	2003969754	\$ 56.17	12 \$	
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Pass Through	JOHNS HOPKINS UNIVERSITY	LDR 01		18 \$	
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Pass Through	PURDUE UNIVERSITY	11000605-008^4102-81091			-
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Pass Through	PURDUE UNIVERSITY	11000748-024		55 \$	-
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Pass Through	RUTGERS UNIVERSITY	944		02 \$	-
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Pass Through	UNIVERSITY OF CALIFORNIA, SAN FRANCISCO	11287SC	\$ 12,18	36 \$	-
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Pass Through	UNIVERSITY OF NOTRE DAME	202489IU	\$ 105,80	17 S	
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Pass Through	UNIVERSITY OF OKLAHOMA	2019-40		9 \$	
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Pass Through	UNIVERSITY OF SOUTH FLORIDA		\$ 144,02		
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Pass Through	UNIVERSITY OF TEXAS MEDICAL BRANCH GALVESTON	18-024	\$ 174,1	'1 \$	-
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Pass Through	UNIVERSITY OF WISCONSIN	861K022	\$ 42,76	51 \$	-
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Pass Through	VANDERBILT UNIVERSITY MEDICAL CENTER	VUMC 58450		24 \$	-
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Pass Through	VANDERBILT UNIVERSITY MEDICAL CENTER	VUMC64592	ψ JZ, II)4 \$	-
Research And Development Cluster	93.855	Allergy and Infectious Diseases Research		Pass Through	VANDERBILT UNIVERSITY MEDICAL CENTER	VUMC65910		96 \$	-
Research And Development Cluster	93.855 Total						\$ 19,959,02		14
Research And Development Cluster	93.859	Biomedical Research and Research Training	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct		1F32GM123635-01		16 \$	-
Research And Development Cluster	93.859	Biomedical Research and Research Training Biomedical Research and Research Training		Direct		1F32GM125334-01		59 \$	-
Research And Development Cluster Research And Development Cluster	93.859 93.859	Biomedical Research and Research Training Biomedical Research and Research Training		Direct Direct		1R01GM114500-01A1 1R01GM121668-01		20 \$ 38 \$	-
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		1R01GM127656-01		13 \$	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		1R01GM131100-01	\$ 68.94		
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		1R15GM116057-01	\$ 128,24	9 \$	-
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		1R25GM132785-01		12 \$	-
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		1R35GM122482-01	\$ (15,7		-
Research And Development Cluster Research And Development Cluster	93.859 93.859	Biomedical Research and Research Training Biomedical Research and Research Training		Direct		1R35GM122556-01 1R35GM131783-01		3 \$	-
Research And Development Cluster Research And Development Cluster	93.859 93.859	Biomedical Research and Research Training Biomedical Research and Research Training		Direct Direct		1R35GM131783-01 1R35GM131812-01		28 \$ 58 \$	
Research And Development Cluster	93.859	Biomedical Research and Research Training Biomedical Research and Research Training		Direct		2R01GM040941-28A1		2 \$	-
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		2R01GM051986-22A1		31) \$	-
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		2R01GM077590-10		90 \$	-
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		2T32GM008425-26	\$ 380,2	70 \$	-
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		2T32GM077229-11A1	\$ 400,7		-
Research And Development Cluster Research And Development Cluster	93.859	Biomedical Research and Research Training Biomedical Research and Research Training		Direct		3R01GM049164-24S1 3R01GM099714-05S1	\$ 199,48		-
Research And Development Cluster Research And Development Cluster	93.859 93.859	Biomedical Research and Research Training Biomedical Research and Research Training		Direct Direct		3R01GM099714-05S1 3R01GM099714-06A1S1	\$ (14,54 \$ 199,48		
Research And Development Cluster	93.859	Biomedical Research and Research Training Biomedical Research and Research Training		Direct		3R01GM105755-05S1		57 \$ 18 \$	-
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		3R01GM113107-04S1		37 \$	-
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		3R01GM121840-03S1	\$ 376,92		-
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		3R35GM118157-03S2	\$ 180,00		-
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		3U01GM116248-03S1	\$ 59	96 \$	-

Cluster	CFDA Number	CFDA Program Title	Federal Agency Highest Level	Direct or Pass Through	Pass Through Entity	Grant Number	Federal Expenditures	Sub-recipient Expenditures
Research And Development Cluster	93.859	Biomedical Research and Research Training	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct		4R00GM098328-05	\$ 42,170	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		5F32GM123635-02	\$ 50,150	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		5F32GM123693-04	\$ 12,690	
Research And Development Cluster Research And Development Cluster	93.859 93.859	Biomedical Research and Research Training Biomedical Research and Research Training		Direct Direct		5K08GM119006-03 5R00GM115814-04	\$ 165,562 \$ 84,992	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		5R01DK114008-02	\$ 345,249	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		5R01GM036827-20	\$ (11,540)	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		5R01GM040941-30	\$ 341,903	\$ -
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		5R01GM049164-23	\$ 173,730	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		5R01GM049164-25	\$ 241,772	
Research And Development Cluster Research And Development Cluster	93.859 93.859	Biomedical Research and Research Training Biomedical Research and Research Training		Direct Direct		5R01GM076692-11 5R01GM077590-12	\$ 60,739 \$ 378.492	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		5R01GM086458-08	\$ 486,262	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		5R01GM088076-08	\$ 224,267	\$ 11,112
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		5R01GM093030-09	\$ 279,160	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		5R01GM099714-07	\$ 425,197	
Research And Development Cluster Research And Development Cluster	93.859 93.859	Biomedical Research and Research Training Biomedical Research and Research Training		Direct Direct		5R01GM105755-05 5R01GM106084-04	\$ 184,676 \$ 51,448	
Research And Development Cluster	93.859	Riomedical Research and Research Training		Direct		5R01GM100084-04 5R01GM110131-04	\$ 215,952	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		5R01GM111537-04	\$ 267,921	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		5R01GM111639-05	\$ 310,873	\$ -
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		5R01GM111695-02	\$ 2,426	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		5R01GM111695-04	\$ 445,582	
Research And Development Cluster Research And Development Cluster	93.859 93.859	Biomedical Research and Research Training Biomedical Research and Research Training		Direct Direct		5R01GM113107-03 5R01GM113107-04	\$ (1,376) \$ 264.277	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		5R01GM113121-04	\$ 187,864	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		5R01GM113172-04	\$ 285,806	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		5R01GM114315-04	\$ 129,231	\$ -
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		5R01GM114443-05	\$ 351,894	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		5R01GM114500-03	\$ 3,021	
Research And Development Cluster Research And Development Cluster	93.859 93.859	Biomedical Research and Research Training Biomedical Research and Research Training		Direct Direct		5R01GM115665-03 5R01GM117206-02 REVISED	\$ 179,788 \$ (13,862)	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		5R01GM117206-02 REVISED 5R01GM117206-03	\$ (13,662)	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		5R01GM117207-04	\$ 324,268	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		5R01GM118470-02 REVISED	\$ 144,248	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		5R01GM118470-04	\$ 128,394	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		5R01GM120156-02	\$ 282,993	
Research And Development Cluster Research And Development Cluster	93.859 93.859	Biomedical Research and Research Training Biomedical Research and Research Training		Direct Direct		5R01GM120350-03 5R01GM121573-04	\$ 397,497 \$ 616.344	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		5R01GM121668-03	\$ 373,946	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		5R01GM121707-03	\$ 376,295	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		5R01GM121751-03	\$ 496,304	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		5R01GM122424-03	\$ 564,856	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		5R01GM125579-02	\$ 346,328	\$ -
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		5R01GM127715-02	\$ 231,001 \$ 225,763	\$ -
Research And Development Cluster Research And Development Cluster	93.859 93.859	Biomedical Research and Research Training Biomedical Research and Research Training		Direct Direct		5R01GM129261-02 5R01GM129354-02	\$ 225,763 \$ 250,477	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		5R25GM109432-06	\$ 369.568	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		5R35GM118157-02	\$ (52,696)	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		5R35GM118157-04	\$ 750,652	\$ -
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		5R35GM122482-03	\$ 334,549	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		5R35GM122556-03		\$ -
Research And Development Cluster Research And Development Cluster	93.859 93.859	Biomedical Research and Research Training Biomedical Research and Research Training		Direct Direct		5R35GM124918-03 5R35GM128631-02	\$ 334,377 \$ 319,656	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		5T32GM008425-25	\$ 635	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		5T32GM008425-27	\$ 28,155	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		5T32GM077229-10	\$ (1,710)	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		5T32GM077229-12	\$ 16,544	
Research And Development Cluster Research And Development Cluster	93.859 93.859	Biomedical Research and Research Training Biomedical Research and Research Training		Direct Direct		5T32GM109825-04 5T32GM109825-05	\$ (7,897) \$ 455,823	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		5132GW109825-05 5U01GM111243-04	\$ 455,823 \$ 135,925	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		7F32GM123693-03	\$ 37,220	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		7R01GM108014-05	\$ 12,770	\$ -
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		5R35GM124698-03	\$ 468,549	\$ -
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		5R35GM128674-02	\$ 278,693	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		5R01GM124220-03	\$ 296,509	
Research And Development Cluster Research And Development Cluster	93.859 93.859	Biomedical Research and Research Training Biomedical Research and Research Training		Direct Direct		5R01GM120337-03 5R35GM119557-04	\$ 307,004 \$ 310,559	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		5R35GM119557-04 5R35GM124765-03	\$ 422.845	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		1R01GM120350-01A1	\$ 30,420	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		7R01GM095657-07	\$ 68,607	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Direct		5R01GM123314-03	\$ 409,707	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Pass Through	CHILDREN'S HOSPITAL MEDICAL CENTER OF CINCINNATI	133106	\$ 1,169	\$ -
Research And Development Cluster	93.859	Biomedical Research and Research Training		Pass Through	DUKE UNIVERSITY	2037849	\$ 17,224	e
Research And Development Cluster Research And Development Cluster	93.859	Biomedical Research and Research Training Biomedical Research and Research Training		Pass Through	DUKE UNIVERSITY DUKE UNIVERSITY	A030446	\$ 17,224 \$ 83,711	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Pass Through	DUKE UNIVERSITY	A031050	\$ 4,580	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Pass Through	DUKE UNIVERSITY	A031260	\$ 18,130	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Pass Through	HEALTH RESEARCH, INC.	5504-01	\$ 51,211	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Pass Through		0255-0921-4609/5R01GM115844-	\$ (6,018)	\$ -
Research And Development Cluster	93.859	Biomedical Research and Research Training		Pass Through		02 0255-0921-4609/R01GM115844	\$ 170,136	\$ -
Research And Development Cluster	93.859	Biomedical Research and Research Training		Pass Through	MOUNT SINAI MASSACHUSETTS INSTITUTE OF	5710004218	\$ 70,550	\$ -
Research And Development Cluster	93.859	Biomedical Research and Research Training		Pass Through	TECHNOLOGY MED-COMPLIANCE IQ, INC		\$ 25,046	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Pass Through	MICHIGAN STATE UNIVERSITY	RC108058IU	\$ 51,509	
Research And Development Cluster	93.859	Biomedical Research and Research Training		Pass Through	OHIO STATE UNIVERSITY	60062197	\$ 32,744	
Research And Development Cluster	93.859 93.859	Biomedical Research and Research Training Biomedical Research and Research Training		Pass Through	QUARRYBIO SOUTH DAKOTA STATE	2R44GM116211-02 3TB332	\$ 122,462 \$ 17,987	
Research And Development Cluster	73.037	biomedical research and research training		Pass Through	UNIVERSITY	310332	φ 17,987	• -
Research And Development Cluster	93.859	Biomedical Research and Research Training		Pass Through	TEXAS TECH UNIVERSITY	21F093-01	\$ 45,995	\$ -
Research And Development Cluster Research And Development Cluster	93.859 93.859	Biomedical Research and Research Training Biomedical Research and Research Training		Pass Through Pass Through	TEXAS TECH UNIVERSITY UNIVERSITY OF AKRON	21F168-01 541747-IU	\$ 6,443 \$ 9,412	\$ -
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Part	Cluster	CFDA Number	CFDA Program Title	Federal Agency Highest Level	Direct or Pass Through	Pass Through Entity	Grant Number	Federal Expenditures	Sub-recipient Expenditures
Name	Research And Development Cluster	93.859	Biomedical Research and Research Training	HEALTH AND HUMAN SERVICES, DEPARTMENT OF			000518016-001		
Second Processing Company	Research And Development Cluster	93.859	Biomedical Research and Research Training		Pass Through	UNIVERSITY OF CALIFORNIA,	69572869	\$ 20,921	\$ -
Manual M	Research And Development Cluster	93.859	Biomedical Research and Research Training		Pass Through	UNIVERSITY OF MINNESOTA	A006921701	\$ 119,397	\$ -
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Second Second Second 1	Research And Development Cluster Research And Development Cluster								
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Secretary Designer August 1965 Children but alment becomen from all browns in the comment of t	Research And Development Cluster	93.865	Child Health and Human Development Extramural Research		Direct		1R21HD089032-01	\$ (3,232)	\$ 7,533
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Second Processing Control Co	Research And Development Cluster	93.865	Child Health and Human Development Extramural Research		Direct		5K23HD095778-02	\$ 117,716	\$ 10,000
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Part		93.865			Direct		5R13HD085773-05		
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Research And Development Cluster 93.866 Aging Research Direct 1RF1AG256111-01 \$ 505,753 \$ 119,302 Research And Development Cluster 93.866 Aging Research Direct 1U01AG057195-01A1 \$ 3,877,760 \$ 2,204,596 Research And Development Cluster 93.866 Aging Research Direct 1U01AG060900-01 \$ 194,798 \$ 78,176									
Research And Development Cluster 93.866 Aging Research Direct 1U01AG057195-01A1 \$ 3,877,760 \$ 2,204,594 Research And Development Cluster 93.866 Aging Research Direct 1U01AG060900-01 \$ 194,798 \$ 78,178									
Research And Development Cluster 93.866 Aging Research Direct 1U01AG060900-01 \$ 194,798 \$ 78,178	Research And Development Cluster	93.866	Aging Research		Direct		1U01AG057195-01A1	\$ 3,877,760	\$ 2,204,596
Research And Development Cluster 93.866 Aging Research Direct 2R01AG019771-11A1 \$ 379,298 \$ -									\$ 78,178

				•	Direct or Pass			Federal	Sub-recipient
Cluster	CFDA Number		CFDA Program Title	Federal Agency Highest Level	Through	Pass Through Entity	Grant Number	Expenditures	Expenditures
Research And Development Cluster Research And Development Cluster	93.866 93.866	Aging Research Aging Research		HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct Direct		3P30AG010133-28S1 3R01AG046246-04S1	\$ 50,000 \$ 31,792	
Research And Development Cluster	93.866	Aging Research			Direct		3R01AG059639-02S1	\$ 510,604	
Research And Development Cluster	93.866	Aging Research			Direct		3U24AG021886-17S1	\$ 7,199,818	
Research And Development Cluster	93.866	Aging Research			Direct		3U24AG021886-18S2	\$ 216,432	
Research And Development Cluster Research And Development Cluster	93.866 93.866	Aging Research			Direct Direct		3U54AG054345-02S2 3U54AG054345-02S3	\$ 33,221 \$ 57.829	\$ 32,610 \$ -
Research And Development Cluster Research And Development Cluster	93.866	Aging Research Aging Research			Direct		3U54AG054345-02S3 3U54AG054345-03S1	\$ 57,829 \$ 222,234	
Research And Development Cluster	93.866	Aging Research			Direct		3U54AG054345-03S2	\$ 17,406	
Research And Development Cluster	93.866	Aging Research			Direct		3U54AG054345-03S3	\$ 91,090	\$ 91,090
Research And Development Cluster	93.866	Aging Research			Direct		4R01AG040220-05	\$ 50,727	
Research And Development Cluster Research And Development Cluster	93.866 93.866	Aging Research Aging Research			Direct Direct		4R01AG043522-04 4R01AG044408-04	\$ (10,418) \$ 5,228	
Research And Development Cluster	93.866	Aging Research			Direct		5F32AG051304-02	\$ (8,185)	
Research And Development Cluster	93.866	Aging Research			Direct		5F32AG051304-03	\$ 14,296	\$ -
Research And Development Cluster	93.866	Aging Research			Direct		5K01AG049050-05	\$ 107,846	
Research And Development Cluster Research And Development Cluster	93.866 93.866	Aging Research Aging Research			Direct Direct		5K01AG054753-03 5K23AG048323-05	\$ 111,569 \$ 128,069	
Research And Development Cluster	93.866	Aging Research			Direct		5K24AG053794-04	\$ 174,885	
Research And Development Cluster	93.866	Aging Research			Direct		5P01AG039355-07	\$ 1,446,000	
Research And Development Cluster	93.866	Aging Research			Direct		5P30AG010133-27	\$ 92,071	
Research And Development Cluster	93.866	Aging Research			Direct		5P30AG010133-28	\$ 2,047,241	
Research And Development Cluster Research And Development Cluster	93.866 93.866	Aging Research Aging Research			Direct Direct		5R01AG008293-25 5R01AG019771-13	\$ 236,723 \$ 55,175	
Research And Development Cluster	93.866	Aging Research			Direct		5R01AG043522-06	\$ (34,164)	
Research And Development Cluster	93.866	Aging Research			Direct		5R01AG045157-05	\$ 479,250	
Research And Development Cluster	93.866	Aging Research			Direct		5R01AG046246-05	\$ 48,915	
Research And Development Cluster Research And Development Cluster	93.866 93.866	Aging Research			Direct Direct		5R01AG051086-03 REVISED 5R01AG052439-03	\$ 51,623 \$ 488,498	
Research And Development Cluster Research And Development Cluster	93.866	Aging Research Aging Research			Direct		5R01AG052439-03 5R01AG052493-03	\$ 488,498 \$ 290,318	
Research And Development Cluster	93.866	Aging Research			Direct		5R01AG053993-04	\$ 334,728	
Research And Development Cluster	93.866	Aging Research			Direct		5R01AG055391-03	\$ 499,706	\$ 260,065
Research And Development Cluster	93.866	Aging Research			Direct		5R01AG055424-03	\$ 459,601	
Research And Development Cluster Research And Development Cluster	93.866 93.866	Aging Research Aging Research			Direct Direct		5R01AG056325-02 5R01AG057703-02	\$ 561,307 \$ 176,228	
Research And Development Cluster	93.866	Aging Research			Direct		5R01AG057703-02 5R01AG057739-02	\$ 366,240	
Research And Development Cluster	93.866	Aging Research			Direct		5R03AG054936-02	\$ 36,083	
Research And Development Cluster	93.866	Aging Research			Direct		5R21AG051753-02	\$ 8,285	
Research And Development Cluster	93.866	Aging Research			Direct		5R21AG051932-02	\$ 66,582	\$ -
Research And Development Cluster Research And Development Cluster	93.866 93.866	Aging Research Aging Research			Direct Direct		5R21AG053606-02 5R21AG057463-02	\$ 202,581 \$ 415,627	
Research And Development Cluster	93.866	Aging Research			Direct		5U01AG057195-02	\$ 78,507	
Research And Development Cluster	93.866	Aging Research			Direct		5U01AG060900-02	\$ 6,477	\$ -
Research And Development Cluster	93.866	Aging Research			Direct		5U24AG021886-16	\$ (35,718)	
Research And Development Cluster Research And Development Cluster	93.866 93.866	Aging Research Aging Research			Direct Direct		5U24AG021886-18 5U54AG054345-02	\$ 353 \$ 1,953,618	
Research And Development Cluster	93.866	Aging Research			Direct		5U54AG054345-02 5U54AG054345-03	\$ 4,378,599	
Research And Development Cluster	93.866	Aging Research			Direct		7K02AG048240-02	\$ 82,668	
Research And Development Cluster	93.866	Aging Research			Direct		7R01AG040770-05	\$ 36,055	
Research And Development Cluster Research And Development Cluster	93.866 93.866	Aging Research			Direct Direct		7R01AG053242-04 7R01AG053500-04	\$ 346,470 \$ 332,823	
Research And Development Cluster	93.866	Aging Research Aging Research			Direct		7R01AG053500-04 7R01AG054102-04	\$ 356.815	
Research And Development Cluster	93.866	Aging Research			Direct		7R21AG050804-03	\$ 195,324	
Research And Development Cluster	93.866	Aging Research			Direct		7RF1AG051495-02	\$ 1,264,866	
Research And Development Cluster Research And Development Cluster	93.866 93.866	Aging Research Aging Research			Direct Direct		5R01AG051086-05 3R01AG057733-02S1	\$ 250,245 \$ 584,839	
Research And Development Cluster	93.866	Aging Research			Pass Through	AMERICAN FEDERATION FOR	17-NSCC3-IU	\$ 584,839 \$ 115,221	
Research And Development cluster	73.000	Aging Research			r ass mrough	AGING RESEARCH	17-143003-10	Ψ 113,221	•
Research And Development Cluster	93.866	Aging Research			Pass Through	ARKLEY BIOTECH LLC	4R44AG049540-02	\$ 20,596	
Research And Development Cluster	93.866	Aging Research			Pass Through	CLEVELAND CLINIC	1016-SUB	\$ 390,253	
Research And Development Cluster Research And Development Cluster	93.866 93.866	Aging Research Aging Research			Pass Through Pass Through	CLEVELAND CLINIC COLUMBIA UNIVERSITY	919-SUB 1(GG012955-01)	\$ (13,848) \$ (1,054)	
Research And Development Cluster	93.866	Aging Research			Pass Through	COLUMBIA UNIVERSITY	1(GG012955-02)	\$ 88.141	
Research And Development Cluster	93.866	Aging Research			Pass Through	COLUMBIA UNIVERSITY	1(GG013395)	\$ 391,476	\$ -
Research And Development Cluster	93.866	Aging Research			Pass Through	COLUMBIA UNIVERSITY	1(GG012955-04)	\$ 8,994	-
Research And Development Cluster Research And Development Cluster	93.866 93.866	Aging Research Aging Research			Pass Through Pass Through	DUKE UNIVERSITY DUKE UNIVERSITY	2036502 2036655	\$ 20,000 \$ 65,012	\$ -
Research And Development Cluster Research And Development Cluster	93.866	Aging Research			Pass Through	DUKE UNIVERSITY	2036655 A030457	\$ 65,012 \$ 47,816	
Research And Development Cluster	93.866	Aging Research			Pass Through	DUKE UNIVERSITY	A030486	\$ 38,366	\$ -
Research And Development Cluster	93.866	Aging Research			Pass Through	DUKE UNIVERSITY	A030698	\$ 50,873	
Research And Development Cluster Research And Development Cluster	93.866 93.866	Aging Research Aging Research			Pass Through Pass Through	INNOVATIVE DESIGN LABS INNOVATIVE DESIGN LABS	IDL17-AlzRadar-11 IDL19-AlzInsole-05	\$ (2,078) \$ 2,830	
Research And Development Cluster	93.866	Aging Research			Pass Through	JACKSON LABORATORY	210301-0819-02	\$ 2,339	
Research And Development Cluster	93.866	Aging Research			Pass Through	NEW YORK UNIVERSITY	16-A0-00-006151-01^106603	\$ 226,966	
Research And Development Cluster	93.866	Aging Research			Pass Through	NORTHERN CALIFORNIA	WEI2015-13	\$ 270,754	\$ -
						INSTITUTE FOR RESEARCH &			
Research And Development Cluster	93.866	Aging Research			Pass Through	EDU NORTHWESTERN UNIVERSITY	60044416 IU	\$ 25,740	s -
Research And Development Cluster	93.866	Aging Research			Pass Through	OHIO STATE UNIVERSITY	60053797	\$ 105,885	
Research And Development Cluster	93.866	Aging Research			Pass Through	OHIO STATE UNIVERSITY	60069938	\$ 12,319	\$ -
Research And Development Cluster	93.866	Aging Research			Pass Through	PROVAIDYA, LLC	12 2001/2001/2007257 0444	\$ 167	
Research And Development Cluster	93.866	Aging Research			Pass Through	PSYCHOLOGY SOFTWARE TOOLS	s, 13-2001/25B1AG03/35/-04A1	\$ 80,554	\$ 68,131
Research And Development Cluster	93.866	Aging Research			Pass Through	PURDUE UNIVERSITY	11000731-014	\$ 54,963	\$ -
Research And Development Cluster	93.866	Aging Research			Pass Through	PURDUE UNIVERSITY	4102-61061	\$ 19,453	\$ -
Research And Development Cluster	93.866	Aging Research			Pass Through	STANFORD UNIVERSITY	61948506-133778	\$ 866	
Research And Development Cluster	93.866	Aging Research			Pass Through	UNIVERSITY OF ALABAMA BIRMINGHAM	000507907-SP007-001	\$ 87,216	\$ -
Research And Development Cluster	93.866	Aging Research			Pass Through	UNIVERSITY OF CALIFORNIA,	1558 G WA476	\$ 16,912	\$ -
					_	LOS ANGELES			
Research And Development Cluster	93.866	Aging Research			Pass Through	UNIVERSITY OF CALIFORNIA,	78282931	\$ 39,121	\$ -
Research And Development Cluster	03 866	Aging Decearch			Pass Through	SAN DIEGO UNIVERSITY OF KENTUCKY	3200002497-20-003	\$ 4,845	s -
research And Development Cluster	93.866	Aging Research			rass iiiiuugii	RESEARCH FOUNDATION	J2UUUU2471-2U-UUJ	φ 4,645	-
Research And Development Cluster	93.866	Aging Research			Pass Through	UNIVERSITY OF MIAMI	SPC-000478	\$ 102,426	\$ -

Cluster	CFDA Number		CFDA Program Title	Federal Agency Highest Level	Direct or Pass	Pass Through Entity	Grant Number		ederal	Sub-recipient
Research And Development Cluster	93.866	Aging Research	or DA Program Title	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Through Pass Through	UNIVERSITY OF MIAMI	SPC-000773	Expe \$		Expenditures
Research And Development Cluster	93.866	Aging Research		HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	UNIVERSITY OF MINNESOTA	H006146001	\$		\$ - \$ -
Research And Development Cluster	93.866	Aging Research			Pass Through	UNIVERSITY OF MISSOURI-	0070926-00055003	\$	(3,169)	\$ -
Research And Development Cluster	93.866	Aging Research			Pass Through	KANSAS CITY UNIVERSITY OF PENNSYLVANIA	573992	\$	45,803	¢
					_					
Research And Development Cluster	93.866	Aging Research			Pass Through	UNIVERSITY OF PENNSYLVANIA	576386	\$	22,428	\$ -
Research And Development Cluster	93.866	Aging Research			Pass Through	UNIVERSITY OF PENNSYLVANIA	576568	\$	11,921	\$ -
Research And Development Cluster	93.866	Aging Research			Pass Through	UNIVERSITY OF PENNSYLVANIA	573913^RIS19531/03	\$	44,195	\$ -
Research And Development Cluster	93.866	Aging Research			Pass Through	UNIVERSITY OF PITTSBURGH	CNVA00058707 (131062-1)	\$	29,597	s -
Research And Development Cluster	93.866	Aging Research			Pass Through	UNIVERSITY OF SOUTHERN CALIFORNIA	75685780	\$	29,526	\$ -
Research And Development Cluster	93.866	Aging Research			Pass Through	UNIVERSITY OF SOUTHERN	79634934	\$	148,634	\$ -
Research And Development Cluster	93.866	Aging Research			Pass Through	CALIFORNIA UNIVERSITY OF SOUTHERN	80649017	\$	44,908	s -
Research And Development Cluster	93.866	Aging Research			Pass Through	CALIFORNIA UNIVERSITY OF SOUTHERN	105746128	\$	78,679	٠.
					-	CALIFORNIA				
Research And Development Cluster	93.866	Aging Research			Pass Through	UNIVERSITY OF SOUTHERN CALIFORNIA	107980475	\$	14,613	\$ -
Research And Development Cluster	93.866	Aging Research			Pass Through	UNIVERSITY OF UTAH	10050433-01	\$	2,868	
Research And Development Cluster Research And Development Cluster	93.866 93.866	Aging Research Aging Research			Pass Through Pass Through	UNIVERSITY OF VERMONT UNIVERSITY OF WASHINGTON	UWSC 7918	\$ \$	9,612 40,252	
·					_					
Research And Development Cluster	93.866	Aging Research			Pass Through	UNIVERSITY OF WASHINGTON	UWSC10162	\$	132,625	\$ -
Research And Development Cluster	93.866	Aging Research			Pass Through	UNIVERSITY OF WASHINGTON	UWSC10652	\$	1,158	\$ -
Research And Development Cluster	93.866	Aging Research			Pass Through	UNIVERSITY OF WASHINGTON	UWSC7722	\$	61,581	\$ -
Research And Development Cluster	93.866	Aging Research			Pass Through	UNIVERSITY OF WASHINGTON	UWSC9729	\$	110,449	\$ -
Research And Development Cluster	93.866	Aging Research			Pass Through	VANDERBILT UNIVERSITY	VUMC56814	\$	51,456	•
					-	MEDICAL CENTER				
Research And Development Cluster Research And Development Cluster	93.866 93.866	Aging Research Aging Research			Pass Through Pass Through	WASHINGTON UNIVERSITY WASHINGTON UNIVERSITY	WU-15-175 WU-18-206	\$ \$	76,310 158,028	s -
Research And Development Cluster	93.866	Aging Research			Pass Through	WASHINGTON UNIVERSITY	WU-19-367	\$		s -
Research And Development Cluster	93.866	Aging Research			Pass Through	WRIGHT STATE UNIVERSITY	669817/R01AG048946	s	(14,467)	
Research And Development Cluster	93.866	Aging Research			Pass Through	WRIGHT STATE UNIVERSITY	P0040657	\$		s -
Research And Development Cluster	93.866 Total							\$ 3		\$ 10,332,421
Research And Development Cluster	93.867	Vision Research		HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct		1K08EY028611-01A1	\$		\$ -
Research And Development Cluster	93.867	Vision Research			Direct		1R01EY026077-01A1	\$	46,842	\$ -
Research And Development Cluster	93.867	Vision Research			Direct		1R01EY029071-01A1	\$		\$ -
Research And Development Cluster	93.867	Vision Research			Direct		1R01EY029808-01	\$	58,947	\$ -
Research And Development Cluster	93.867	Vision Research			Direct		2R01EY014460-14	\$	61,061	\$ 3,619
Research And Development Cluster	93.867	Vision Research			Direct		4R01EY022147-05	\$		\$ -
Research And Development Cluster	93.867	Vision Research			Direct		5R01EY008834-28	\$	392,614	
Research And Development Cluster	93.867	Vision Research			Direct		5R01EY014460-16	\$		\$ 20,671
Research And Development Cluster	93.867	Vision Research			Direct		5R01EY014863-12	\$		\$ -
Research And Development Cluster	93.867	Vision Research			Direct		5R01EY018339-13	\$	575,808	
Research And Development Cluster	93.867	Vision Research			Direct		5R01EY023680-02	\$	4	
Research And Development Cluster	93.867	Vision Research			Direct		5R01EY023680-03	\$		\$ 20,677
Research And Development Cluster	93.867	Vision Research			Direct		5R01EY024315-05	\$		\$ -
Research And Development Cluster	93.867	Vision Research			Direct		5R01EY024542-04	\$		\$ -
Research And Development Cluster	93.867	Vision Research			Direct		5R01EY024625-04	\$		\$ 25,978
Research And Development Cluster	93.867	Vision Research			Direct		5R01EY024984-05	\$		\$ -
Research And Development Cluster	93.867	Vision Research			Direct		5R01EY025641-02	\$	54	
Research And Development Cluster	93.867	Vision Research			Direct		5R01EY025641-04	\$		\$ 19,000
Research And Development Cluster	93.867	Vision Research			Direct		5R01EY026962-02	\$	314,103	
Research And Development Cluster	93.867	Vision Research			Direct		5R01EY027779-03	\$	451,906	
Research And Development Cluster	93.867	Vision Research			Direct		5R01EY028135-02	\$		\$ -
Research And Development Cluster	93.867	Vision Research			Direct		5T35EY013937-17	\$		\$ -
Research And Development Cluster	93.867 93.867	Vision Research Vision Research			Direct		5T35EY013937-18 7R21EY027389-02	\$		\$ - \$ 12.498
Research And Development Cluster					Direct			\$		\$ 12,498 \$ -
Research And Development Cluster Research And Development Cluster	93.867 93.867	Vision Research Vision Research			Direct Direct		7U10EY023198-05 5R01EY026077-04	\$		\$ 51,823
Research And Development Cluster Research And Development Cluster	93.867	Vision Research			Pass Through	AEON IMAGING, LLC	FD-180914-AEON	\$		\$ 51,823
Research And Development Cluster	93.867	Vision Research			Pass Through	AEON IMAGING, LLC	1B-100714-ALON	\$		s -
Research And Development Cluster	93.867	Vision Research			Pass Through	CHILDREN'S HOSPITAL OF	3209850817	\$		\$ -
Decease And Development Christian	02.07	Vision Deceases			Door Through	PHILADELPHIA	T002/74		0.101	
Research And Development Cluster	93.867	Vision Research			Pass Through	EMORY UNIVERSITY FMORY UNIVERSITY	T892674	\$	9,106	
Research And Development Cluster Research And Development Cluster	93.867 93.867	Vision Research Vision Research			Pass Through Pass Through	JAEB CENTER FOR HEALTH	T892674^A053559 C02-U10EY11751	\$ \$	9,632 533	
						RESEARCH INC				
Research And Development Cluster	93.867	Vision Research			Pass Through	JAEB CENTER FOR HEALTH RESEARCH INC	IXT2	\$	6,758	\$ -
Research And Development Cluster	93.867	Vision Research			Pass Through	JAEB CENTER FOR HEALTH	U10 EY11751	\$	8,587	\$ -
Research And Development Cluster	93.867	Vision Research			Pass Through	RESEARCH INC JAEB CENTER FOR HEALTH	U10EY14231	\$	82	\$ -
Research And Development Cluster	93.867	Vision Research			Pass Through	RESEARCH INC JAEB CENTER FOR HEALTH		\$	34,531	s -
						RESEARCH INC				
Research And Development Cluster	93.867	Vision Research			Pass Through	NORTHEASTERN UNIVERSITY	500375-78051	\$	48,081	
Research And Development Cluster	93.867	Vision Research Vision Research			Pass Through	SALUS UNIVERSITY	88801-IU Mod 3	\$		\$ -
Research And Development Cluster	93.867	VISION RESEARCH			Pass Through	UNIVERSITY OF ALABAMA BIRMINGHAM	000512405-001	\$	69,915	\$ -
Research And Development Cluster	93.867	Vision Research			Pass Through	UNIVERSITY OF ALABAMA BIRMINGHAM	000512405-001/1R01EY027316- 01	\$	3,446	\$ -
Research And Development Cluster	93.867	Vision Research			Pass Through	UNIVERSITY OF MINNESOTA	A003630301	\$	20,090	
Research And Development Cluster Research And Development Cluster	93.867 Total	Madical Library Actions		HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct		1021114012210 02		5,673,317	
Research And Development Cluster Research And Development Cluster	93.879 93.879	Medical Library Assistant Medical Library Assistant		DEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct Direct		1R21LM012219-02 1T15LM012502-01	\$ \$	422 6,222	
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Cluster	CFDA Number	CFDA Program Title	Federal Agency Highest Level	Direct or Pass Through	Pass Through Entity	Grant Number			Sub-recipient Expenditures
Research And Development Cluster	93.879	Medical Library Assistance	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct		3T15LM012502-01S1	\$	7,192	\$ 5,424
Research And Development Cluster	93.879	Medical Library Assistance		Direct		3T15LM012502-02S1	\$	44,438	
Research And Development Cluster	93.879	Medical Library Assistance		Direct		3T15LM012502-02S2	s	19,691	
Research And Development Cluster	93.879	Medical Library Assistance		Direct		5R01LM011945-04	\$	221,590	
Research And Development Cluster	93.879	Medical Library Assistance		Direct		5R01LM012535-03	\$	261,066	
Research And Development Cluster	93.879	Medical Library Assistance		Direct		5R01LM012605-02	\$	313,887	\$ 143,060
Research And Development Cluster	93.879	Medical Library Assistance		Direct		5R01LM012832-02	\$	284,695	
Research And Development Cluster	93.879	Medical Library Assistance		Direct		5R13LM006766-22	s	19,838	
Research And Development Cluster	93.879	Medical Library Assistance		Direct		5T15LM012502-02	Š	400,617	
Research And Development Cluster	93.879 Total						s	1,579,658	
Research And Development Cluster	93.918	Grants to Provide Outpatient Early Intervention Services with Respect to HIV Disease	e HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	HEALTH AND HOSPITAL CORPORATION OF MARION	H76HA00112	\$	9,388	
Research And Development Cluster	93.918 Total				COUNTY		\$	9,388	s -
Research And Development Cluster	93.958	Block Grants for Community Mental Health Services	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	ESKENAZI HEALTH	17469	\$	83,235	s -
Research And Development Cluster	93.958	Block Grants for Community Mental Health Services		Pass Through	ESKENAZI HEALTH	28704^00017469	\$	290,186	s -
Research And Development Cluster	93.958	Block Grants for Community Mental Health Services		Pass Through	INDIANA FAMILY AND SOCIAL SERVICES ADMINISTRATION	16932	\$	1,046	
Research And Development Cluster Research And Development Cluster	93.958 Total 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	27422	\$	374,467 54,612	
Research And Development Cluster	93.959 Total						\$	54,612	
Research And Development Cluster	93.989	International Research and Research Training	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct		1R21TW011071-01	\$	92,156	
Research And Development Cluster	93.989	International Research and Research Training		Direct		5D43TW010928-07	\$	164,551	
Research And Development Cluster	93.989	International Research and Research Training		Pass Through	MAINE MEDICAL RESEARCH CENTER INSTITUTE	REMICK 111054C1	\$	11,566	
Research And Development Cluster	93.989 Total	Preventive Health and Health Services Block Grant	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Dace Through	INDIANA STATE DEPARTMENT O	E 15450	¢	268,273	
Research And Development Cluster Research And Development Cluster	93.991 93.991 Total	Preventive Health and Health Services Block Grant	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	HEALTH	r 15450	\$	11,253 11,253	
Research And Development Cluster	94.006	AmeriCorps	CORPORATION FOR NATIONAL AND COMMUNITY SERVICE	Pass Through	INDIANA COMMISSION FOR	26569	\$	5,000	
Research And Development Cluster	94.006	AmeriCorps	CONTON TON NATIONAL AND COMMONTH SERVICE	Pass Through	HIGHER EDUCATION INDIANA COMMISSION FOR	27930	\$	2,000	
Research And Development Cluster	94.006	AmeriCorps		Pass Through	HIGHER EDUCATION INDIANA COMMISSION FOR	27931	\$	1,764	
•				-	HIGHER EDUCATION				
Research And Development Cluster	94.006	AmeriCorps		Pass Through	INDIANA COMMISSION FOR HIGHER EDUCATION	J-22-18-C0691	\$	(131)	
Research And Development Cluster	94.006 Total	Control to a control French	CORPORATION FOR MATIONAL AND COMMUNITY CERVICE	D Th	UNITED WAY OF OFFITAL		\$	8,633	
Research And Development Cluster	94.019	Social Innovation Fund	CORPORATION FOR NATIONAL AND COMMUNITY SERVICE	Pass Through	UNITED WAY OF CENTRAL		\$	335,768	\$ -
D	04 040 T-1-1				INDIANA			225 7/0	•
Research And Development Cluster	94.019 Total						\$	335,768	
Research And Development Cluster	94.026	National Service and Civic Engagement Research Competition	CORPORATION FOR NATIONAL AND COMMUNITY SERVICE	Direct		17REHIN001	\$	181,385	
Research And Development Cluster	94.026	National Service and Civic Engagement Research Competition		Direct	LINUXEDOLEV OF OFOROIA	17REHIN002	\$	202,767	
Research And Development Cluster	94.026	National Service and Civic Engagement Research Competition		Pass Through	UNIVERSITY OF GEORGIA	SUB00001930	\$	31,270	
Research And Development Cluster	94.026 Total	UCAID For the Arrivance for December 1	ACENION FOR INTERNATIONAL REVELOPMENT	D Th	DUDDIE UNIVERSITY	F0000FF0 400000	\$	415,422	\$ -
Research And Development Cluster	98.001	USAID Foreign Assistance for Programs Overseas	AGENCY FOR INTERNATIONAL DEVELOPMENT	Pass Through	PURDUE UNIVERSITY	F9002550402020	\$	128,606	\$ -
Research And Development Cluster	98.001 Total	A	NATIONAL COLEMOS SOUNDATION	D Th	LINUXEDCUTY OF IDALIO	1DK000 GD 004047	\$	128,606	-
Research And Development Cluster	47.05	Geosciences	NATIONAL SCIENCE FOUNDATION	Pass Through	UNIVERSITY OF IDAHO	IDK828-SB-804947	\$		\$ -
Research And Development Cluster	47.05 Total	Notice of Bright Code to December	TRANSPORTATION, DEPARTMENT OF	D Th	INDIANA CRIMINAL JUSTICE	24200	\$	26,681	
Research And Development Cluster Research And Development Cluster	20.616 20.616 Total	National Priority Safety Programs	TRANSPORTATION, DEPARTMENT OF	Pass Through	INSTITUTE	34399	\$	156,530 156,530	
Research And Development Cluster	93.421	Strengthening Public Health Systems and Services through National Partnerships to Improve and Protect the Nation's Health	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	INDIANA STATE DEPARTMENT O HEALTH	F 35464	\$	19,074	\$ -
Research And Development Cluster Research And Development Cluster	93.421 Total 17.RD		LABOR, DEPARTMENT OF	Pass Through	METROPOLITAN SCHOOL DISTRICT OF PIKE TOWNSHIP	17 RD	\$	19,074 19,085	
Research And Development Cluster	17.RD Total						\$	19,085	
Research And Development Cluster	60.RD		SMITHSONIAN INSTITUTION	Direct		60 RD	\$	12,036	
Research And Development Cluster	60.RD Total						\$	12,036	
Research And Development Cluster	12.RD		DEPARTMENT OF DEFENSE	Direct		2018-18032300001	\$	241,603	
Research And Development Cluster	12.RD			Direct		2018-18050200002	\$	178,870	
Research And Development Cluster	12.RD			Direct		N00174-16-C-0016	\$	149,573	
Research And Development Cluster	12.RD			Direct		N00174-16-C-0024	\$	35,592	\$ -
Research And Development Cluster	12.RD			Direct		W912HQ-13-C-0019	\$	1,608	
Research And Development Cluster Research And Development Cluster	12.RD 12.RD			Direct Pass Through	ADJUTANT GENERAL'S OFFICE	12 RD MDI-SAB-17-C-0066	\$	(36) 2,600	
Research And Development Cluster	12.RD			Pass Through	AECOM	F3010	s	685,238	¢
Research And Development Cluster Research And Development Cluster	12.RD 12.RD			Pass Through	APPLIED TECHNOLOGIES	2019¿328^001	\$	36,252	
Research And Development Cluster Research And Development Cluster	12.RD 12.RD			Pass Through Pass Through	INTERNATIONAL DZYNE TECHNOLOGIES FOX CHASE CANCER CENTER	DTA001-S-001 27791-01/W81XWH-14-1-0141	\$	3,274 (34)	
Research And Development Cluster	12.RD			Pass Through	GENERAL DYNAMICS LAND	40278946	\$	(19,323)	\$ -
Research And Development Cluster	12.RD			Pass Through	SYSTEMS JOHNS HOPKINS UNIVERSITY	1200791(8515)/W*1XWH-12-1-	\$	20,982	\$ -
Recearch And Dovelenment Charter	12.RD			Doce Through	JOHNS HOPKINS UNIVERSITY	0588 W81XWH-09-2-0108	\$	16,389	¢
Research And Development Cluster Research And Development Cluster	12.RD 12.RD			Pass Through	IOHNS HOPKINS UNIVERSITY				
Research And Development Cluster Research And Development Cluster	12.RD 12.RD			Pass Through	RTI INTERNATIONAL	W81XWH-17-2-0032	\$	3,512	
				Pass Through		2-340-0216217-65160L	\$	48,137	
Research And Development Cluster	12.RD			Pass Through	SYRACUSE UNIVERSITY	27482-03709-S01	\$	29,154	
Research And Development Cluster	12.RD			Pass Through	SYRACUSE UNIVERSITY	27482-03709-S02	\$	30,844	
Research And Development Cluster	12.RD			Pass Through	UNIVERSITY OF SOUTHERN CALIFORNIA	94721575	\$	332,304	\$ -
Research And Development Cluster Research And Development Cluster	12.RD Total 43.RD		NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	Pass Through	CALIFORNIA INSTITUTE TECHNOLOGY JET PROPULSION	1530010	\$ \$	1,796,539 2	
					LAB				
Research And Development Cluster	43.RD			Pass Through	CALIFORNIA INSTITUTE TECHNOLOGY JET PROPULSION LAB	1609334	\$	20,026	\$ -

Cluster	CFDA Number	CFDA Program Title	Federal Agency Highest Level	Direct or Pass Through	Pass Through Entity	Grant Number	Federal Expenditures	Sub-recipient Expenditures
Research And Development Cluster	43.RD		NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	Pass Through	MALIN SPACE SCIENCE SYSTEMS	12-0230	\$ 199,762	
Research And Development Cluster	43.RD			Pass Through	SPACE TELESCOPE SCIENCE	HST-GO-13297.25-A	\$ 7,349	\$ -
Research And Development Cluster	43.RD			Pass Through	INSTITUTE SPACE TELESCOPE SCIENCE	HST-GO-14108.001-A	\$ (136)	\$ -
Research And Development Cluster	43.RD			Pass Through	INSTITUTE SPACE TELESCOPE SCIENCE	HST-GO-14710.007-A	\$ 3,929	\$ -
Research And Development Cluster	43.RD			Pass Through	INSTITUTE SPACE TELESCOPE SCIENCE	HST-GO-15232.004-A	\$ 62,162	\$ -
Research And Development Cluster	43.RD			Pass Through	INSTITUTE SPACE TELESCOPE SCIENCE	HST-GO-15269.003-A	\$ 25,102	\$ -
Research And Development Cluster	43.RD Total				INSTITUTE		\$ 318,196	
Research And Development Cluster Research And Development Cluster Research And Development Cluster	93.RD 93.RD 93.RD		HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct Direct Direct		HHSN275201400005 75N92019D00018 HHSN275201500008I^HHSN2750	\$ 61,092 \$ 382,965 \$ 13,373	\$ -
Research And Development Cluster	93.RD			Direct		0002 HHSN276201800124P	\$ 6,195	
Research And Development Cluster Research And Development Cluster	93.RD 93.RD			Pass Through Pass Through	DUKE UNIVERSITY DUKE UNIVERSITY	HHSN-275201000003I TO 39 - 218637	\$ 3,280 \$ 205	
Research And Development Cluster	93.RD			Pass Through	IQVIA	2017-IMS-SC-IU001	\$ 180,120	
Research And Development Cluster Research And Development Cluster	93.RD 93.RD			Pass Through Pass Through	IQVIA NATIONAL MARROW DONOR	2017-IMS-SC-IU002 1302	\$ 162,992 \$ 884	
Research And Development Cluster	93.RD			Pass Through	PROGRAM REGENSTRIEF INSTITUTE, INC.	HHSN276201400008C/0005, 0006	\$ 9,893	\$ -
Research And Development Cluster	93.RD			Pass Through	UNIVERSITY OF ALABAMA BIRMINGHAM	000500918-T013-007	\$ 9,234	\$ -
Research And Development Cluster	93.RD			Pass Through	UNIVERSITY OF ILLINOIS AT CHICAGO	16536	\$ 148,162	\$ -
Research And Development Cluster	93.RD			Pass Through	UNIVERSITY OF MONTANA	PG17¿62514¿02	\$ 33,862	
Research And Development Cluster Research And Development Cluster	93.RD 93.RD			Pass Through Pass Through	WESTAT WESTAT	s6020^6020.02 s6020^6020.05	\$ 13,404 \$ 1,524	
Research And Development Cluster	93.RD Total			**			\$ 1,027,185	\$ 273,483
Research And Development Cluster	84.RD		EDUCATION, DEPARTMENT OF	Pass Through	ASSOCIATION OF PUBLIC AND LAND-GRANT UNIVERSITIES	R305N170020	\$ 60,000	\$ -
Research And Development Cluster	84.RD			Pass Through	INDIANA DEPARTMENT OF EDUCATION	23479	\$ 162,300	\$ -
Research And Development Cluster	84.RD			Pass Through	INDIANA DEPARTMENT OF EDUCATION	0000000000000000000023478^A 58-7-17DL-4063	\$ 63,699	\$ -
Research And Development Cluster	84.RD			Pass Through	INDIANA DEPARTMENT OF EDUCATION	A58-7-17DL- 4062^00000000000000000000000000000000000	\$ 117,755	\$ -
Research And Development Cluster Research And Development Cluster	84.RD Total 81.RD		ENERGY, DEPARTMENT OF	Pass Through	BATTELLE PACIFIC NORTHWEST		\$ 403,754 \$ 50,199	
Research And Development Cluster	81.RD		ENERGY, DEPARTMENT OF	Pass Through	LABORATORIES	389810	\$ 5,099	
Research And Development Cluster	81.RD			Pass Through	LABORATORIES BROOKHAVEN NATIONAL	190508	\$ 358	
Research And Development Cluster	81.RD			Pass Through	LABORATORY BROOKHAVEN NATIONAL	256190	\$ 2,095	\$ -
Research And Development Cluster	81.RD			Pass Through	LABORATORY BROOKHAVEN NATIONAL	297858	\$ 38,055	\$ -
Research And Development Cluster	81.RD			Pass Through	LABORATORY BROOKHAVEN NATIONAL	308850	\$ 55,901	\$ -
Research And Development Cluster	81.RD			Pass Through	LABORATORY BROOKHAVEN NATIONAL	310838	\$ 44,145	\$ -
Research And Development Cluster	81.RD			Pass Through	LABORATORY BROOKHAVEN NATIONAL	323541	\$ 34,363	\$ -
Research And Development Cluster	81.RD			Pass Through	LABORATORY BROOKHAVEN NATIONAL	341067	\$ 2,768	\$ -
Research And Development Cluster	81.RD			Pass Through	LABORATORY BROOKHAVEN NATIONAL	357698	\$ 18,455	\$ -
Research And Development Cluster	81.RD			Pass Through	LABORATORY BROOKHAVEN NATIONAL	360293	\$ 24,412	\$ -
Research And Development Cluster	81.RD			Pass Through	LABORATORY FERMI NATIONAL ACCELERATOR	PO 636966	\$ 69,372	\$ -
Research And Development Cluster	81.RD			Pass Through	LABORATORY LAWRENCE BERKELEY NATIONAL	7068666	\$ 199,645	\$ -
Research And Development Cluster	81.RD			Pass Through	LABORATORY LAWRENCE BERKELEY NATIONAL	7429400	\$ 59,498	\$ -
Research And Development Cluster	81.RD			Pass Through	LABORATORY OAK RIDGE NATIONAL	4000069723	\$ 3,770	\$ -
Research And Development Cluster	81.RD			Pass Through	LABORATORY OAK RIDGE NATIONAL	4000171086	\$ 4,961	\$ -
Research And Development Cluster	81.RD			Pass Through	LABORATORY THOMAS JEFFERSON NATIONAL	13C0937600	\$ 44,054	\$ -
					ACCELERATOR FACILITY			
Research And Development Cluster Research And Development Cluster	81.RD 81.RD			Pass Through Pass Through	UT-BATTELLE LLC UT-BATTELLE LLC	4000052291 4000161267	\$ 73,236 \$ 48,807	\$ - \$ -
Research And Development Cluster	81.RD Total 42.RD		NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	•			\$ 779,193	\$ -
Research And Development Cluster Research And Development Cluster	42.RD Total		NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	Direct		GA16C0013	\$ 118,126 \$ 118,126	
Research And Development Cluster Research And Development Cluster	97.RD 97.RD		HOMELAND SECURITY, DEPARTMENT OF	Direct Pass Through	KESTREL TECHNOLOGY LLC	D15PC00169 KT-1600071C-IU	\$ 122,692 \$ 14,018	\$ 41,208
Research And Development Cluster	97.RD Total						\$ 136,710	\$ 41,208
Research And Development Cluster	19.RD		STATE, DEPARTMENT OF	Pass Through	UNITED STATES-INDIA EDUCATIONAL FOUNDATION	USIEF/OSI/2014/04	\$ 20,564	\$ 17,325
Research And Development Cluster Research And Development Cluster	19.RD Total 64.RD		VETERANS AFFAIRS, DEPARTMENT OF	Pass Through		T4NG-VA118-16-D-1008-0007-	\$ 20,564 \$ 100	
Research And Development Cluster Research And Development Cluster Total	64.RD Total				INC.	CMS	\$ 100 \$ 312.640.638	\$ - \$ 45,072,769
							,0 10,030	

Cluster	CFDA Number	CFDA Program Title	Federal Agency Highest Level	Direct or Pass	Pass Through Entity	Grant Number	Federal	Sub-recipient
Highway Safety Cluster	20.600	State and Community Highway Safety	TRANSPORTATION, DEPARTMENT OF	Through Pass Through	INDIANA CRIMINAL JUSTICE	D3-18-12090	\$ 141,941	\$ 4,146
Highway Safety Cluster Highway Safety Cluster	20.600 Total 20.602	Occupant Protection Incentive Grants	TRANSPORTATION, DEPARTMENT OF	Pass Through	INSTITUTE INDIANA CRIMINAL JUSTICE	34643	\$ 141,941 \$ 346,998	
Highway Safety Cluster	20.602 Total				INSTITUTE		\$ 346,998	
Highway Safety Cluster Total Medicaid Cluster	93.778	Medical Assistance Program	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	INDIANA FAMILY AND SOCIAL	23460	\$ 488,939 \$ 127,602	
Medicaid Cluster	93.778 Total				SERVICES ADMINISTRATION		\$ 127,602	\$ -
Medicaid Cluster Total Special Education Cluster (IDEA)	84.027	Special Education Grants to States	EDUCATION, DEPARTMENT OF	Pass Through	INDIANA DEPARTMENT OF	18510	\$ 127,602 \$ 405,020	\$ -
Special Education Cluster (IDEA)	84.027 Total			v	EDUCATION		\$ 405,020	
Special Education Cluster (IDEA) Total TANF Cluster	93.558	Temporary Assistance for Needy Families	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	INDIANA FAMILY HEALTH		\$ 405,020 \$ 72,920	\$ -
TANF Cluster	93.558	Temporary Assistance for Needy Families		Pass Through	COUNCIL SERVE INDIANA	23766	\$ 93,872	\$ -
TANF Cluster TANF Cluster	93.558 93.558 Total	Temporary Assistance for Needy Families		Pass Through	SERVE INDIANA	29693	\$ 192,754 \$ 359,546	\$ -
TANF Cluster Total TRIO Cluster	84.042	TRIO Student Support Services	EDUCATION, DEPARTMENT OF	Direct		P042A150696-18	\$ 359,546 \$ 85,225	
TRIO Cluster TRIO Cluster	84.042 84.042	TRIO Student Support Services TRIO Student Support Services		Direct Direct		P042A151671-19 P042A151381-19	\$ 257,449 \$ 337,228	\$ -
TRIO Cluster	84.042 Total 84.047		EDUCATION, DEPARTMENT OF				\$ 679,902	\$ -
TRIO Cluster TRIO Cluster	84.047	TRIO Upward Bound TRIO Upward Bound	EDUCATION, DEPARTMENT OF	Direct Direct		P047A171461-19 P047A171482-19	\$ 312,925 \$ 291,918	\$ -
TRIO Cluster TRIO Cluster Total	84.047 Total						\$ 604,843 \$ 1,284,745	\$ -
Student Financial Assistance Cluster Student Financial Assistance Cluster	84.033 84.033 Total	Federal Work-Study Program	Department of Education	Direct			\$ 4,414,268 \$ 4,414,268	
Student Financial Assistance Cluster Student Financial Assistance Cluster	84.038 84.038 Total	Federal Perkins Loan Program - Loan / Loan Guarantee	Department of Education	Direct			\$ 32,265,354 \$ 32,265,354	
Student Financial Assistance Cluster Student Financial Assistance Cluster	84.063 84.063 Total	Federal Pell Grant Program	Department of Education	Direct			\$ 102,263,024 \$ 102,263,024	\$ -
Student Financial Assistance Cluster Student Financial Assistance Cluster	84.268 84.268 Total	Federal Direct Student Loans	Department of Education	Direct			\$ 449,123,130 \$ 449,123,130	\$ -
Student Financial Assistance Cluster Student Financial Assistance Cluster Student Financial Assistance Cluster	84.408	Postsecondary Education Scholarships for Veteran's Dependents	Department of Education	Direct			\$ 5,717	\$ -
Student Financial Assistance Cluster	84.408 Total 93.264	Nurse Faculty Loan Program	Department of Health and Human Services	Direct			\$ 5,717 \$ 871,011	\$ -
Student Financial Assistance Cluster Student Financial Assistance Cluster	93.264 Total 93.342	Health Professions Student Loans, Including Primary Care Loans and Loans for Disadvantaged Students (HPSL/PCL/LDS)	Department of Health and Human Services	Direct			\$ 871,011 \$ 20,643,735	
Student Financial Assistance Cluster Student Financial Assistance Cluster	93.342 Total 93.364	Nursing Student Loans	Department of Health and Human Services	Direct			\$ 20,643,735 \$ 2,298,824	\$ -
Student Financial Assistance Cluster Student Financial Assistance Cluster Student Financial Assistance Cluster	93.364 Total 84.007 84.007 Total	Federal Supplemental Educational Opportunity Grants	Department of Education	Direct			\$ 2,298,824 \$ 4,081,880 \$ 4,081,880	\$ - \$ -
Student Financial Assistance Cluster Total	10.558	Child and Adult Care Food Program	AGRICULTURE, DEPARTMENT OF	Pass Through	INDIANA DEPARTMENT OF	1530220	\$ 615,966,943 \$ 14,802	
	10.558	Child and Adult Care Food Program		Pass Through	EDUCATION INDIANA DEPARTMENT OF	1530240	\$ 11,456	\$ -
	10.558	Child and Adult Care Food Program		Pass Through	EDUCATION INDIANA DEPARTMENT OF EDUCATION	1530270	\$ 6,810	\$ -
	10.558 Total 11.419	Coastal Zone Management Administration Awards	COMMERCE, DEPARTMENT OF	Pass Through	GEORGIA DEPARTMENT OF		\$ 33,068 \$ 25,160	
	11.419	Coastal Zone Management Administration Awards		Pass Through	NATURAL RESOURCES INDIANA DEPARTMENT OF	29081	\$ 1,624	\$ -
	11.419 Total 11.473	Office for Coastal Management	COMMERCE, DEPARTMENT OF	Pass Through	NATURAL RESOURCES ASSOCIATION OF STATE		\$ 26,784 \$ 12,284	
					FLOODPLAIN MANAGERS, INC.			
	11.473 Total 12.300	Basic and Applied Scientific Research	DEPARTMENT OF DEFENSE	Direct		N00014-15-1-2423	\$ 12,284 \$ 459,674	\$ 20,767
	12.300 Total 12.357	ROTC Language and Culture Training Grants	DEPARTMENT OF DEFENSE	Pass Through	INSTITUTE OF INTERNATIONAL	#PGO1801-IU-05-PGO-051-PO1	\$ 459,674 \$ 302,363	
	12.357	ROTC Language and Culture Training Grants		Pass Through	EDUCATION INSTITUTE OF INTERNATIONAL	2603-IU-26-GO-051-P04	\$ 30,014	\$ -
	12.357	ROTC Language and Culture Training Grants		Pass Through	EDUCATION INSTITUTE OF INTERNATIONAL	2603-IU-26-GO-051-PO5	\$ 103,835	\$ -
	12.357 Total 12.420	Military Medical Research and Development	DEPARTMENT OF DEFENSE	Pass Through	EDUCATION CORNELL UNIVERSITY	09010049 / W81XWH-09-1-0596	\$ 436,212 \$ 566	
	12.420	Military Medical Research and Development		Pass Through	FEINSTEIN INSTITUTE FOR	500512IU	\$ 1,412	\$ -
	12.420	Military Medical Research and Development		Pass Through	MEDICAL RESEARCH TISSUE GENESIS INC.	W81XWH-10-2-0108	\$ 87,043	
	12.420 Total 12.550	The Language Flagship Grants to Institutions of Higher Education	DEPARTMENT OF DEFENSE	Pass Through	INSTITUTE OF INTERNATIONAL	0054-IU-5-ARA-280-PO1	\$ 89,021 \$ 296,978	
	12.550	The Language Flagship Grants to Institutions of Higher Education		Pass Through	EDUCATION INSTITUTE OF INTERNATIONAL	0054-IU-5-CHN-280-P02	\$ 354,422	s -
	12.550	The Language Flagship Grants to Institutions of Higher Education		Pass Through	EDUCATION INSTITUTE OF INTERNATIONAL	0054-IU-5-CHN-280-PO12	\$ 81,670	\$ -
	12.550	The Language Flagship Grants to Institutions of Higher Education		Pass Through	EDUCATION INSTITUTE OF INTERNATIONAL		\$ 74,955	
	12.550	The Language Flagship Grants to Institutions of Higher Education		Pass Through	EDUCATION INSTITUTE OF INTERNATIONAL		\$ 223,968	
	12.550	The Language Flagship Grants to Institutions of Higher Education		Pass Through	EDUCATION INSTITUTE OF INTERNATIONAL		\$ 75,637	
	12.550	The Language Flagship Grants to Institutions of Higher Education The Language Flagship Grants to Institutions of Higher Education		Pass Through	EDUCATION INSTITUTE OF INTERNATIONAL		\$ 75,037 \$ 112,279	
	.2.550	2011-young orang to manufulls of Higher Education		i ass milougii	EDUCATION	3554-10-3-350-200-FO17	y 112,279	-

Cluster	CFDA Number	CFDA Program Title	Federal Agency Highest Level DEPARTMENT OF DEFENSE	Direct or Pass Through	Pass Through Entity	Grant Number	Expend	ditures	Sub-recipient Expenditures
	12.550	The Language Flagship Grants to Institutions of Higher Education The Language Flagship Grants to Institutions of Higher Education	DEPARTMENT OF DEFENSE	Pass Through Pass Through	INSTITUTE OF INTERNATIONAL EDUCATION INSTITUTE OF INTERNATIONAL		\$ \$	22,503	
	12.550	The Language Flagship Grants to Institutions of Higher Education		Pass Through	EDUCATION INSTITUTE OF INTERNATIONAL			274,931	
	12.550	The Language Flagship Grants to Institutions of Higher Education		-	EDUCATION INSTITUTE OF INTERNATIONAL		\$	9,244	
		The Language Flagship Grants to Institutions of Higher Education The Language Flagship Grants to Institutions of Higher Education		Pass Through Pass Through	EDUCATION				
	12.550 12.550 Total		DEDARTMENT OF DEFENCE		UNIVERSITY OF MARYLAND	57495-Q1481201	\$ 1,	21,062 577,731	\$ -
	12.800 12.800 Total	Air Force Defense Research Sciences Program	DEPARTMENT OF DEFENSE	Direct		FA9550-18-1-0193	\$	152,038 152,038	\$ -
	12.900 12.900	Language Grant Program Language Grant Program	DEPARTMENT OF DEFENSE	Direct Direct		H98230-18-1-0201 H98230-19-1-0054	\$	71,670 33,366	
	12.900 12.900 Total	Language Grant Program		Direct		H98230-19-1-0104		2,140 107,176	
	14.228 14.228 Total	Community Development Block Grants/State's program and Non-Entitlement Grants in Hawaii	HOUSING AND URBAN DEVELOPMENT, DEPARTMENT OF	Pass Through	INDIANA OFFICE COMMUNITY & RURAL AFFAIRS	A192-14-PSC-DR2-003		223,836	
	15.808 15.808 Total	U.S. Geological Survey Research and Data Collection	INTERIOR, DEPARTMENT OF THE	Direct		G17AC00400		45,519 45,519	\$ -
	15.904 15.904 Total	Historic Preservation Fund Grants-In-Aid	INTERIOR, DEPARTMENT OF THE	Direct		ST-03-17-0001-17	\$	18,047 18,047	\$ -
	15.922 15.922 Total	Native American Graves Protection and Repatriation Act	INTERIOR, DEPARTMENT OF THE	Direct		P17AP00312	\$	624 624	\$ -
	15.945	Cooperative Research and Training Programs – Resources of the National Park System	INTERIOR, DEPARTMENT OF THE	Direct		P12AC31164^P17AC00018	\$	9,223	
	15.945	Cooperative Research and Training Programs – Resources of the National Park System	ı	Direct		P12AC31164^P17AC00327	\$	5,904	\$ -
	15.945	Cooperative Research and Training Programs – Resources of the National Park System	ı.	Direct		P13AC00772^P14AC01130	\$	20,915	\$ -
	15.945	Cooperative Research and Training Programs – Resources of the National Park System	ı	Direct		P13AC00772^P16AC00232	\$	17,333	\$ -
	15.945	Cooperative Research and Training Programs – Resources of the National Park System		Direct		P18AC01142^P15AC00795	\$	47,749	s -
	15.945 Total 15.954	National Park Service Conservation, Protection, Outreach, and Education	INTERIOR, DEPARTMENT OF THE	Direct		P14AC00027^P15AC01177		101,124 174,374	
	15.954 15.954	National Park Service Conservation, Protection, Outreach, and Education National Park Service Conservation, Protection, Outreach, and Education		Direct Direct		P14AC00027^P15AC01376 P15AC00795^P16AC00943	\$ \$	64,674	
	15.954 15.954	National Park Service Conservation, Protection, Outreach, and Education National Park Service Conservation, Protection, Outreach, and Education		Direct Direct		P15AC00795^P18AC00982 P17AC01022^P15AC00795	\$ \$	6,267 48,270	
	15.954	National Park Service Conservation, Protection, Outreach, and Education		Direct		P17AC01438^P15AC00795	\$	25,723	
	15.954 15.954 Total	National Park Service Conservation, Protection, Outreach, and Education		Direct		P17AC01460^P15AC00795	\$	36,877 356,183	\$ - \$ -
	15.980	National Ground-Water Monitoring Network	INTERIOR, DEPARTMENT OF THE	Direct		G16AC00360	\$	5,081	\$ -
	15.980 15.980 Total	National Ground-Water Monitoring Network		Direct		G18AC00072		21,956 27,037	
	16.525 16.525 Total	Grants to Reduce Domestic Violence, Dating Violence, Sexual Assault, and Stalking on Campus	JUSTICE, DEPARTMENT OF	Direct		2018-WA-AX-0050		50,708	\$ -
	16.575	Crime Victim Assistance	JUSTICE, DEPARTMENT OF	Pass Through	INDIANA CRIMINAL JUSTICE INSTITUTE	D3-17-11544	\$	36,175	s -
	16.575 Total 19.009	Academic Exchange Programs - Undergraduate Programs	STATE, DEPARTMENT OF	Pass Through	IREX	FY18-YALI-CL-Indiana-03		36,175 92,875	
	19.009 19.009 Total	Academic Exchange Programs - Undergraduate Programs		Pass Through	IREX	FY19-YALI-CL-Indiana-04	\$	71,757 164,632	
	19.011 19.011 Total		STATE, DEPARTMENT OF	Pass Through	DEPAUL UNIVERSITY	501389SG164	\$	642 642	\$ -
	19.021 19.021 Total		STATE, DEPARTMENT OF	Direct		S-NEAPD-16-CA-1001	\$	231,231 231,231	\$ -
	19.040 19.040 Total		STATE, DEPARTMENT OF	Direct		SCS80018GR0009	\$ \$	16,494 16,494	\$ -
	19.300	Soviet Union	STATE, DEPARTMENT OF	Direct		SLMAQM-17-GR-2063		26,949	
	19.300	Program for Study of Eastern Europe and the Independent States of the Former Soviet Union		Direct		SLMAQM18GR2314		335,784	
	19.300 Total 19.345	International Programs to Support Democracy, Human Rights and Labor	STATE, DEPARTMENT OF	Pass Through	NATIONAL ENDOWMENT FOR DEMOCRACY			362,733 36,122	
	19.345 Total 19.400	Academic Exchange Programs - Graduate Students	STATE, DEPARTMENT OF	Pass Through	INSTITUTE OF INTERNATIONAL EDUCATION	FST1801_IU_10.1.18	\$ \$	36,122 78,246	
	19.400 Total 19.415	Professional and Cultural Exchange Programs - Citizen Exchanges	STATE, DEPARTMENT OF	Direct	EDUCATION	S-ECAGD-15-CA-1106		78,246 352,019	\$ -
	19.415	Professional and Cultural Exchange Programs - Citizen Exchanges	STATE, DEPARTMENT OF	Direct		S-ECAGD-16-CA-1108	\$	153,394	
	19.415 19.415 Total	Professional and Cultural Exchange Programs - Citizen Exchanges	STATE, DEPARTMENT OF	Direct		S-ECAGD-17-CA1061 S-NEAAC-16-GR-1002	\$	185,237 690,650	\$ -
	19.600 19.600 Total 19.900	Bureau of Near Eastern Affairs AEECA/ESF PD Programs	STATE, DEPARTMENT OF	Direct		SLMAQM18CA2053	\$	329,175 329,175 61,398	\$ 111,867
	19.900 Total	·	TRANSPORTATION, DEPARTMENT OF		NATIONAL SAFETY COUNCIL	SEMACIWI TOCAZOSS	\$	61,398	\$ -
	20.614 20.614 Total	National Highway Traffic Safety Administration (NHTSA) Discretionary Safety Grants and Cooperative Agreements	TRANSPORTATION, DEPARTMENT OF	Pass Through	NATIONAL SAFETY COUNCIL		\$ \$	1,353	
	43.008 43.008 Total	Education	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	Pass Through	PURDUE UNIVERSITY	12000145-182	\$	2,687	\$ -
	45.024	Promotion of the Arts Grants to Organizations and Individuals	NATIONAL ENDOWMENT FOR THE ARTS	Direct		16-3600-7002	\$	26,400	\$ -
	45.024 45.024	Promotion of the Arts Grants to Organizations and Individuals Promotion of the Arts Grants to Organizations and Individuals		Direct Pass Through	ARTS MIDWEST	1809535-42-18 19937	\$ \$	28,836 1,159	
	45.024	Promotion of the Arts Grants to Organizations and Individuals		Pass Through	ARTS MIDWEST	21795	\$	13,363	\$ -
	45.024 Total 45.025	Promotion of the Arts Partnership Agreements	NATIONAL ENDOWMENT FOR THE ARTS	Pass Through	INDIANA ARTS COMMISSION	22545	\$ \$	69,758 (4,179)	
	45.025	Promotion of the Arts Partnership Agreements		Pass Through	INDIANA ARTS COMMISSION	27728	\$	20,000	\$ -
	45.025 45.025	Promotion of the Arts Partnership Agreements Promotion of the Arts Partnership Agreements		Pass Through Pass Through	INDIANA ARTS COMMISSION INDIANA ARTS COMMISSION	28093 FY2019-APS-15	\$ \$	4,745 4,090	

Cluster	CFDA Number	CFDA Program Title	Federal Agency Highest Level	Direct or Pass Through	Pass Through Entity	Grant Number		deral ditures	Sub-recip	
	45.025	Promotion of the Arts Partnership Agreements	NATIONAL ENDOWMENT FOR THE ARTS	Pass Through	SOUTH SHORE ARTS	RIG1-18-2890694/17-6100-2012	\$	4,400		uies -
	45.025 Total 45.129	Promotion of the Humanities Federal/State Partnership	NATIONAL ENDOWMENT FOR THE HUMANITIES	Pass Through	INDIANA HUMANITIES COUNCIL	18-1018	\$ \$	29,056 82		:
	45.129	Promotion of the Humanities Federal/State Partnership		Pass Through	INDIANA HUMANITIES COUNCIL	18-1021	\$	2,000	\$	
	45.129	Promotion of the Humanities Federal/State Partnership		Pass Through	INDIANA HUMANITIES COUNCIL	18-1033	\$	1,504	\$	-
	45.129	Promotion of the Humanities Federal/State Partnership		Pass Through	INDIANA HUMANITIES COUNCIL	18-1052	\$	2,000	\$	-
	45.129	Promotion of the Humanities Federal/State Partnership		Pass Through	INDIANA HUMANITIES COUNCIL	18-3014	\$	4,000	\$	-
	45.129	Promotion of the Humanities Federal/State Partnership		Pass Through	INDIANA HUMANITIES COUNCIL	19-1003	\$	2,500	\$	-
	45.129	Promotion of the Humanities Federal/State Partnership		Pass Through	INDIANA HUMANITIES COUNCIL		\$	4,951	\$	-
	45.129 Total 45.149	Promotion of the Humanities Division of Preservation and Access	NATIONAL ENDOWMENT FOR THE HUMANITIES	Direct		PW-228262-15	\$	17,037 95,710	\$:
	45.149 Total 45.161	Promotion of the Humanities Research	NATIONAL ENDOWMENT FOR THE HUMANITIES	Direct		RQ-249806-16	\$	95,710 30,772	\$	-
	45.161 45.161	Promotion of the Humanities Research Promotion of the Humanities Research		Direct Direct		RQ-255616-17 RQ-50812-14	\$	131,688	\$ \$ \$	-
	45.161 Total 45.163 45.163	Promotion of the Humanities Professional Development Promotion of the Humanities Professional Development	NATIONAL ENDOWMENT FOR THE HUMANITIES	Direct Direct		FV-256712-17	\$ \$	69,833	\$ \$ \$	
	45.163 Total 45.164	Promotion of the Humanities Professional Development Promotion of the Humanities Public Programs	NATIONAL ENDOWMENT FOR THE HUMANITIES	Direct		FV-261606-18 MN-263821-19	\$ \$	123,269	s s	-
	45.164 Total 45.301	Museums for America	Institute of Museum and Library Services	Direct		MA-30-16-0458-16	\$	12,600 1,206	\$	-
	45.301 Total 45.310	Grants to States	Institute of Museum and Library Services	Pass Through	INDIANA STATE LIBRARY	21538	\$	1,206	\$	-
	45.310 45.310	Grants to States Grants to States	mando o mascan dia cara, so necs	Pass Through Pass Through	INDIANA STATE LIBRARY INDIANA STATE LIBRARY	27487 27520	\$	4,658 13,822	\$ \$:
	45.310 Total 45.311	Native American and Native Hawaiian Library Services	Institute of Museum and Library Services	Pass Through	EASTERN SHAWNEE TRIBE OF OKLAHOMA		\$	18,392 9,639	\$	-
	45.311 Total 45.312	National Leadership Grants	Institute of Museum and Library Services	Direct		LG-70-18-0202-18		9,639 222,528	\$	-
	45.312 45.312 Total	National Leadership Grants		Pass Through	NORTHWESTERN UNIVERSITY	SP0042556-PROJ0012001	\$	505,056		-
	59.037	Small Business Development Centers	SMALL BUSINESS ADMINISTRATION	Pass Through	INDIANA ECONOMIC DEVELOPMENT CORPORATION	A342-8-SBDC-18-108	\$	76,401	\$	•
	59.037	Small Business Development Centers		Pass Through	INDIANA ECONOMIC DEVELOPMENT CORPORATION	A343-9-PSA-SBDC-13	\$	78,582	\$	-
	59.037 Total 64.034	VA Grants for Adaptive Sports Programs for Disabled Veterans and Disabled Members of the Armed Forces	VETERANS AFFAIRS, DEPARTMENT OF	Direct		35-6001673	\$	154,983 7,534	\$:
	64.034 Total 66.460	Nonpoint Source Implementation Grants	ENVIRONMENTAL PROTECTION AGENCY	Pass Through	INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT	31746	\$	7,534 46,418		-
	66.460 Total 66.951	Environmental Education Grants	ENVIRONMENTAL PROTECTION AGENCY	Direct		00E01499	\$ \$	46,418 (4,685)		-
	66.951 Total 81.087	Renewable Energy Research and Development	ENERGY, DEPARTMENT OF	Pass Through	WEST VIRGINIA UNIVERSITY	10-733-IU-2	\$ \$	(4,685) 120,338	\$	-
	81.087 Total 81.089	Fossil Energy Research and Development	ENERGY, DEPARTMENT OF	Pass Through	ILLINOIS STATE GEOLOGICAL	086368-16415	\$ \$	120,338 120,338 61,862	\$	-
	81.089	Fossil Energy Research and Development	ENERGY, DEFARMMENT OF	Pass Through	SURVEY UNIVERSITY OF ILLINOIS	086735-16430	\$	100,914		
	81.089	Fossil Energy Research and Development		Pass Through	UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN	094892-17334	\$	16,621		-
	81.089	Fossil Energy Research and Development		Pass Through	UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN	2005-05060-27	\$	20,764		-
	81.089 Total 84.004	Civil Rights Training and Advisory Services (also known as Equity Assistance Centers)	EDUCATION, DEPARTMENT OF	Direct		S004D160011-18		200,161 ,683,598		9,274
	84.004 Total 84.015	National Resource Centers Program for Foreign Language and Area Studies or Foreign Language and International Studies Program and Foreign Language and Area Studies	EDUCATION, DEPARTMENT OF	Direct		P015A140064 - 17	\$ 1 \$,683,598 22,831		9,274
	84.015	Fellowship Program National Resource Centers Program for Foreign Language and Area Studies or Foreign Language and International Studies Program and Foreign Language and Area Studies		Direct		P015A140065 - 17	\$	100,746	\$	-
	84.015	Fellowship Program National Resource Centers Program for Foreign Language and Area Studies or Foreign Language and International Studies Program and Foreign Language and Area Studies		Direct		P015A140065-15	\$	6,894	\$	-
	84.015	Fellowship Program Fellowship Program for Foreign Language and Area Studies or Foreign Language and International Studies Program and Foreign Language and Area Studies Fellowship Program		Direct		P015A140069-17	\$	68,335	\$	•
	84.015	National Resource Centers Program for Foreign Language and Area Studies or Foreign Language and International Studies Program and Foreign Language and Area Studies Fellowship Program		Direct		P015A180065	\$	104,409	\$	5,099
	84.015	National Resource Centers Program for Foreign Language and Area Studies or Foreign Language and International Studies Program and Foreign Language and Area Studies		Direct		P015A180097	\$	6,321	\$	-
	84.015	Fellowship Program National Resource Centers Program for Foreign Language and Area Studies or Foreign Language and International Studies Program and Foreign Language and Area Studies		Direct		P015A180101	\$	120,889	\$!	5,057
	84.015	Fellowship Program National Resource Centers Program for Foreign Language and Area Studies or Foreign Language and International Studies Program and Foreign Language and Area Studies Fellowship Program		Direct		P015A180102	\$	140,538	\$	

Cluster	CFDA Number	CFDA Program Title	Federal Agency Highest Level	Direct or Pass Through	Pass Through Entity	Grant Number		ederal	Sub-recipient Expenditures
	84.015	National Resource Centers Program for Foreign Language and Area Studies or Foreign	EDUCATION, DEPARTMENT OF	Direct		P015A180119	S EXP	104,050	
	01.010	Language and International Studies Program and Foreign Language and Area Studies		Direct		1010/1100117	•	101,000	01,000
		Fellowship Program							
	84.015	National Resource Centers Program for Foreign Language and Area Studies or Foreign Language and International Studies Program and Foreign Language and Area Studies		Direct		P015A180152	\$	123,662	\$ 5,009
		Fellowship Program							
	84.015	National Resource Centers Program for Foreign Language and Area Studies or Foreign		Direct		P015B140065-17	\$	(6,952)	\$ -
		Language and International Studies Program and Foreign Language and Area Studies							
	84.015	Fellowship Program National Resource Centers Program for Foreign Language and Area Studies or Foreign		Direct		P015B140069-17	\$	(17,995)	•
	04.013	Language and International Studies Program and Foreign Language and Area Studies		Birect		10135140007-17	y.	(17,773)	•
		Fellowship Program							
	84.015	National Resource Centers Program for Foreign Language and Area Studies or Foreign		Direct		P015B180065	\$	124,773	\$ -
		Language and International Studies Program and Foreign Language and Area Studies Fellowship Program							
	84.015	National Resource Centers Program for Foreign Language and Area Studies or Foreign	1	Direct		P015B180094	\$	233,955	\$ -
		Language and International Studies Program and Foreign Language and Area Studies							
	84.015	Fellowship Program National Resource Centers Program for Foreign Language and Area Studies or Foreign		Direct		P015B180097	\$	377,468	¢
	04.015	Language and International Studies Program and Foreign Language and Area Studies of Polegic		Direct		PU13B180097	Þ	3//,400	-
		Fellowship Program							
	84.015	National Resource Centers Program for Foreign Language and Area Studies or Foreign		Direct		P015B180101	\$	107,966	\$ -
		Language and International Studies Program and Foreign Language and Area Studies							
	84.015	Fellowship Program National Resource Centers Program for Foreign Language and Area Studies or Foreign	1	Direct		P015B180102	\$	346,283	s -
		Language and International Studies Program and Foreign Language and Area Studies							
		Fellowship Program							
	84.015	National Resource Centers Program for Foreign Language and Area Studies or Foreign		Direct		P015B180119	\$	198,371	\$ 59,712
		Language and International Studies Program and Foreign Language and Area Studies Fellowship Program							
	84.015	National Resource Centers Program for Foreign Language and Area Studies or Foreign	1	Direct		P015B180152	\$	114,589	\$ -
		Language and International Studies Program and Foreign Language and Area Studies							
	84.015	Fellowship Program National Recourse Contact Brogram for Ecosion Language and Area Studies or Ecosion		Direct		P015B180156	\$	58,626	¢
	04.015	National Resource Centers Program for Foreign Language and Area Studies or Foreign Language and International Studies Program and Foreign Language and Area Studies		Direct		F013B180130	,	30,020	•
		Fellowship Program							
	84.015	National Resource Centers Program for Foreign Language and Area Studies or Foreign		Direct		P105A180094	\$	124,805	\$ -
		Language and International Studies Program and Foreign Language and Area Studies Fellowship Program							
	84.015	National Resource Centers Program for Foreign Language and Area Studies or Foreign	1	Direct		P015A180142-19	\$	111,029	s -
		Language and International Studies Program and Foreign Language and Area Studies							
		Fellowship Program							_
	84.015	National Resource Centers Program for Foreign Language and Area Studies or Foreign Language and International Studies Program and Foreign Language and Area Studies		Direct		P105A180102	\$	105,928	\$ -
		Fellowship Program							
	84.015	National Resource Centers Program for Foreign Language and Area Studies or Foreign	1	Pass Through	OHIO STATE UNIVERSITY	60060222	\$	2,500	\$ -
		Language and International Studies Program and Foreign Language and Area Studies							
	84.015	Fellowship Program National Resource Centers Program for Foreign Language and Area Studies or Foreign		Pass Through	UNIVERSITY OF CALIFORNIA.		\$	15,387	•
	04.013	Language and International Studies Program and Foreign Language and Area Studies		1 ass Till ough	BERKELEY		y.	13,307	•
		Fellowship Program							
	84.015	National Resource Centers Program for Foreign Language and Area Studies or Foreign		Pass Through	UNIVERSITY OF CHICAGO		\$	11,087	\$ -
		Language and International Studies Program and Foreign Language and Area Studies Fellowship Program							
	84.015	National Resource Centers Program for Foreign Language and Area Studies or Foreign	1	Pass Through	UNIVERSITY OF ILLINOIS	076419-15461	\$	75,250	\$ -
		Language and International Studies Program and Foreign Language and Area Studies		-					
	04.045	Fellowship Program		David Theorem	UNINTERCITY OF HUMBIOLS AT	077400 47400		40.750	•
	84.015	National Resource Centers Program for Foreign Language and Area Studies or Foreign Language and International Studies Program and Foreign Language and Area Studies		Pass Through	UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN	077132-16433	\$	18,750	\$ -
		Fellowship Program			OKBANA-CHAWI ATON				
	84.015 Total						\$	2,800,495	
	84.022	Overseas Programs - Doctoral Dissertation Research Abroad	EDUCATION, DEPARTMENT OF	Direct		P022A170015	\$ \$		\$ -
	84.022 Total 84.126	Rehabilitation Services Vocational Rehabilitation Grants to States	EDUCATION, DEPARTMENT OF	Pass Through	INDIANA FAMILY AND SOCIAL	VR1-5-53-15-VL-	\$	64,281 551,546	
				oug	SERVICES ADMINISTRATION	0203^0000000000000000000000000000000000		,010	•
						734			_
	84.126 Total 84.200	Graduate Assistance in Areas of National Need	EDUCATION, DEPARTMENT OF	Direct		P200A150204-17	\$ \$	551,546 74,470	
	84.200 Total	Gradulta (Galataria III Araa or Ivational Need	ESSS.TON, DELAKTIMENT OF	Direct		. 230A13020T-1/	\$	74,470	
	84.215	Innovative Approaches to Literacy, Full-service Community Schools; and Promise	EDUCATION, DEPARTMENT OF	Pass Through	MARY RIGG NEIGHBORHOOD	U215J150075	\$	(234)	
	04.245	Neighborhoods		Dage Therest	CENTER MARY DICC NEIGUROPHOOD			EC 125	•
	84.215	Innovative Approaches to Literacy, Full-service Community Schools; and Promise Neighborhoods		Pass Through	MARY RIGG NEIGHBORHOOD CENTER		\$	59,622	• -
	84.215 Total	Neighborhoods			CENTER		\$	59,388	\$ -
	84.220	Centers for International Business Education	EDUCATION, DEPARTMENT OF	Direct		P220A140014-17	\$	222,643	
	84.220	Centers for International Business Education		Direct		P220A180008	\$	2,151	
	84.220 84.220 Total	Centers for International Business Education		Direct		P220A180008-19	\$	125,603 350,397	
	84.229	Language Resource Centers	EDUCATION, DEPARTMENT OF	Direct		P229A140007-17	\$	116,687	
	84.229	Language Resource Centers		Direct		P229A140022 - 17	\$	7,499	
	84.229	Language Resource Centers		Direct		P229A180011-19	\$	99,024	
	84.229 84.229 Total	Language Resource Centers		Direct		P229A180018-19	\$ \$	124,362 347,572	
	84.287	Twenty-First Century Community Learning Centers	EDUCATION, DEPARTMENT OF	Pass Through	BOYS & GIRLS CLUB OF		\$	15,001	
				•	BLOOMINGTON				
	84.287	Twenty-First Century Community Learning Centers		Pass Through	CHRISTEL HOUSE ACADEMY		\$	2,258	
	84.287 Total 84.334	Gaining Early Awareness and Readiness for Undergraduate Programs	EDUCATION, DEPARTMENT OF	Pass Through	INDIANA COMMISSION FOR	24910	\$ \$	17,259 4,531	
	01.334	Comming Early Americas and reduniess for order graduate Frograms	ESSOTTION, DEFAITMENT OF	rass mougn	HIGHER EDUCATION	217.0	Ψ	4,551	-
	84.334	Gaining Early Awareness and Readiness for Undergraduate Programs		Pass Through	INDIANA COMMISSION FOR	29618	\$	7,190	\$ -
	04.224	Caining Forb Assessment and Dondings for Undergraduate Drog		Dage Through	HIGHER EDUCATION	24172		451	•
	84.334	Gaining Early Awareness and Readiness for Undergraduate Programs		Pass Through	INDIANA COMMISSION FOR HIGHER EDUCATION	34173	\$	456	• -
	84.334 Total				JILK EDOCATION		\$	12,177	\$ -

Cluster	CFDA Number	CFDA Program Title	Federal Agency Highest Level	Direct or Pass	Pass Through Entity	Grant Number	Federal	Sub-recipient
	84.366	Mathematics and Science Partnerships	EDUCATION, DEPARTMENT OF	Through Pass Through	INDIANA DEPARTMENT OF	A58-6-16CI-	\$ 336	Expenditures \$
					EDUCATION	3743^00000000000000000000000000000000000		
	84.366 Total 84.367	Supporting Effective Instruction State Grants (formerly Improving Teacher Quality State Grants)	EDUCATION, DEPARTMENT OF	Pass Through	NATIONAL WRITING PROJECT CORPORATION	94-IN02-SEED2019-C3WPAI	\$ 336 \$ 371	
	84.367 Total 93.048	Special Programs for the Aging, Title IV, and Title II, Discretionary Projects	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	INDIANA FAMILY AND SOCIAL	31035	\$ 371 \$ 114,314	
	93.048 Total 93.060	Sexual Risk Avoidance Education	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	SERVICES ADMINISTRATION INDIANA FAMILY HEALTH	SRAE ITEPP	\$ 114,314 \$ 70,341	
	93.060	Sexual Risk Avoidance Education		Pass Through	COUNCIL INDIANA FAMILY HEALTH		\$ 20,692	
	93.060 Total 93.067	Global AIDS	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	COUNCIL REGENSTRIEF INSTITUTE, INC.	4727-000-15-CR-01	\$ 91,033 \$ 61,123	
	93.067 Total 93.070	Environmental Public Health and Emergency Response	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	INDIANA STATE DEPARTMENT OF	21552	\$ 61,123 \$ 27,757	
	93.070 Total 93.073	Birth Defects and Developmental Disabilities - Prevention and Surveillance	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	HEALTH ASSOCIATION OF UNIVERSITY CENTERS ON DISABILITIES		\$ 27,757 \$ 3,472	
	93.073 Total 93.103	Food and Drug Administration Research	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	REGENSTRIEF INSTITUTE, INC.		\$ 3,472 \$ 213	
	93.103 Total 93.104	Comprehensive Community Mental Health Services for Children with Serious	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	OAKLAWN PYSCHIATRIC CENTER		\$ 213 \$ 163,496	
	93.104 Total 93.107	Emotional Disturbances (SED) Area Health Education Centers	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct			\$ 163,496 \$ 649,316	s -
	93.107 93.107 Total	Area Health Education Centers		Direct		U77HP23068-07	\$ 418,509 \$ 1,067,825	\$ 391,339 \$ 831,109
	93.110 93.110	Maternal and Child Health Federal Consolidated Programs Maternal and Child Health Federal Consolidated Programs	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct Direct			\$ (1,145) \$ 36) \$ - \$ -
	93.110 93.110	Maternal and Child Health Federal Consolidated Programs Maternal and Child Health Federal Consolidated Programs		Direct Direct		5 T73MC00015-26-00	\$ 8,589 \$ 697,825	\$ -
	93.110	Maternal and Child Health Federal Consolidated Programs Maternal and Child Health Federal Consolidated Programs		Direct		6 T73MC00015-27-01	\$ 93,011	\$ 35,000
	93.110 Total 93.127	Emergency Medical Services for Children	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct			\$ 798,316 \$ 7,613	
	93.127 93.127	Emergency Medical Services for Children Emergency Medical Services for Children	TELETITION OF THE PROPERTY OF	Direct Direct		6 H33MC11304-09-01	\$ (5,304) \$ 119,436) \$ -
	93.127 Total 93.130	Cooperative Agreements to States/Territories for the Coordination and Development of Primary Care Offices	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	INDIANA STATE DEPARTMENT OF HEALTH		\$ 121,745 \$ 97,128	
	93.130 Total 93.136	Injury Prevention and Control Research and State and Community Based Programs	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	INDIANA STATE DEPARTMENT OF HEALTH	25149	\$ 97,128 \$ 82,009	
	93.136 93.136 Total	Injury Prevention and Control Research and State and Community Based Programs		Pass Through	INDIANA STATE DEPARTMENT OF HEALTH		\$ 32,640 \$ 114,649	
	93.145 93.145 Total	HIV-Related Training and Technical Assistance	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	ESKENAZI HEALTH		\$ (1,194) \$ (1,194)) \$ -
	93.211	Telehealth Programs	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	INDIANA RURAL HEALTH ASSOCIATION	G25RH32437	\$ 20,021	\$ -
	93.211 Total 93.217	Family Planning Services	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	INDIANA FAMILY HEALTH COUNCIL		\$ 221,631	\$ -
	93.217 Total 93.226	Research on Healthcare Costs, Quality and Outcomes	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct			\$ 221,631 \$ 23,109	\$ -
	93.226 Total 93.235	Title V State Sexual Risk Avoidance Education (Title V State SRAE) Program	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	INDIANA STATE DEPARTMENT OF HEALTH		\$ 23,109 \$ 12,664	\$ -
	93.235 Total 93.243	Substance Abuse and Mental Health Services Projects of Regional and National Significance	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct		1H79SM081370-01	\$ 12,664 \$ 89,767	
	93.243	Substance Abuse and Mental Health Services Projects of Regional and National Significance		Direct		3H79SP021706-03S1	\$ 160,124	\$ -
	93.243	Substance Abuse and Mental Health Services Projects of Regional and National Significance		Direct		5H79SP021706-02	\$ 63,783	\$ 10,767
	93.243	Substance Abuse and Mental Health Services Projects of Regional and National Significance		Pass Through	INDIANA DIVISION OF MENTAL HEALTH AND ADDICTION	19605	\$ 110,592	\$ -
	93.243	Substance Abuse and Mental Health Services Projects of Regional and National Significance		Pass Through	INDIANA DIVISION OF MENTAL HEALTH AND ADDICTION	19691	\$ 46,963	\$ -
	93.243	Substance Abuse and Mental Health Services Projects of Regional and National Significance		Pass Through	INDIANA DIVISION OF MENTAL HEALTH AND ADDICTION	20059	\$ 198,602	\$ 73,826
	93.243	Substance Abuse and Mental Health Services Projects of Regional and National Significance		Pass Through	INDIANA DIVISION OF MENTAL HEALTH AND ADDICTION	000000000000000000024864^A 55-6-49-16-PO-0203	\$ 43,061	\$ -
	93.243	Substance Abuse and Mental Health Services Projects of Regional and National		Pass Through	INDIANA STATE UNIVERSITY	IU15-125	\$ 45,315	\$ -
	93.243	Significance Substance Abuse and Mental Health Services Projects of Regional and National		Pass Through	UNIVERSITY OF ARIZONA	468533	\$ 59,368	\$ -
	93.243	Significance Substance Abuse and Mental Health Services Projects of Regional and National		Pass Through	UNIVERSITY OF WISCONSIN	866K972	\$ 14,836	s -
	93.243 Total 93.315 93.315	Significance Rare Disorders: Research, Surveillance, Health Promotion, and Education Rare Disorders: Research, Surveillance, Health Promotion, and Education	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct Direct		5U01DD001057-04 5U01DD001057-05-00	\$ 832,411 \$ 12,649 \$ 49,652	\$ -
	93.315 Total	Nac Councers, Nessearch, Survemente, (Realth Frompton), and Education		Direct			\$ 62,301	

Cluster	CFDA Number	CFDA Program Title	Federal Agency Highest Level	Direct or Pass	Pass Through Entity	Grant Number			Sub-recipient
	93.323	Epidemiology and Laboratory Capacity for Infectious Diseases (ELC)	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Through Pass Through	INDIANA STATE DEPARTMENT OF HEALTH	29943	\$	28,405 \$	Expenditures -
	93.323 Total 93.346	Enhancing the Logical Observation Identifiers Names and Codes (LOINC®) Standard to meet U.S. Interoperability Needs	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	REGENSTRIEF INSTITUTE, INC.		\$	28,405 \$ 28,347 \$	
	93.346 Total 93.354	Public Health Emergency Response: Cooperative Agreement for Emergency Response: Public Health Crisis Response	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	INDIANA STATE DEPARTMENT OF HEALTH			28,347 \$ 105,538 \$	26,215
	93.354 Total 93.424	NON-ACA/PPHF—Building Capacity of the Public Health System to Improve Population Health through National Nonprofit Organizations	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	ASSOCIATION OF UNIVERSITY CENTERS ON DISABILITIES		\$	105,538 \$ 70,197 \$	
	93.424	NON-ACA/PPHF—Building Capacity of the Public Health System to Improve Population Health through National Nonprofit Organizations		Pass Through	ASSOCIATION OF UNIVERSITY CENTERS ON DISABILITIES	39-18-8812	\$	30,401 \$	-
	93.424 Total 93.426	Improving the Health of Americans through Prevention and Management of Diabetes and Heart Disease and Stroke	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	INDIANA STATE DEPARTMENT OF HEALTH		\$	100,598 \$ 17,004 \$	-
	93.426 Total 93.433	ACL National Institute on Disability, Independent Living, and Rehabilitation Research	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	UNIVERSITY OF ILLINOIS AT CHICAGO	17035	\$	17,004 \$ 18,432 \$	-
	93.433 Total 93.516	Public Health Training Centers Program	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	UNIVERSITY OF ILLINOIS AT CHICAGO		\$	18,432 \$ 33,461 \$	
	93.516 93.516 Total	Public Health Training Centers Program		Pass Through	UNIVERSITY OF MICHIGAN	SUBK00008846	\$ \$	25,000 \$ 58,461 \$	
	93.621	Affordable Care Act Initiative to Reduce Avoidable Hospitalizations among Nursing Facility Residents	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct		1E1CMS331488-03-00	\$ 1,	532,842 \$	
	93.621	Affordable Care Act Initiative to Reduce Avoidable Hospitalizations among Nursing Facility Residents		Direct				111,772 \$	
	93.621 Total 93.630	Developmental Disabilities Basic Support and Advocacy Grants	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	GOVERNOR'S COUNCIL FOR PEOPLE WITH DISABILITIES		\$ 3,	644,614 \$ 44,932 \$	
	93.630	Developmental Disabilities Basic Support and Advocacy Grants		Pass Through		29570	\$	35,233 \$	-
	93.630 Total 93.632		HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct			\$ \$	80,165 \$ 1,365 \$	
	93.632	and Service University Centers for Excellence in Developmental Disabilities Education, Research, and Service		Direct		90DDUC0001-02-00	\$	570,477 \$	-
	93.632 Total 93.638	ACA-Transforming Clinical Practice Initiative: Practice Transformation Networks	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct		1L1CMS331444-03		571,842 \$ 632,277 \$	
	93.638	(PTNs) ACA-Transforming Clinical Practice Initiative: Practice Transformation Networks		Direct		1L1CMS331444-03-00	\$ 4,	465,581 \$	4,190,791
	93.638	(PTNs) ACA-Transforming Clinical Practice Initiative: Practice Transformation Networks		Direct		1L1CMS331444-04	\$ 6,	744,550 \$	5,779,692
	93.638 Total 93.648 93.648 Total	(PTNs) Child Welfare Research Training or Demonstration	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	UNIVERSITY OF ALBANY-SUNY		\$	842,408 \$ 142,835 \$ 142,835 \$	-
	93.758	Preventive Health and Health Services Block Grant funded solely with Prevention and Public Health Funds (PPHF)	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	INDIANA STATE DEPARTMENT OF HEALTH		\$	155,997 \$	-
	93.758 Total 93.779	Centers for Medicare and Medicaid Services (CMS) Research, Demonstrations and Evaluations	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	REGENSTRIEF INSTITUTE, INC.		\$	155,997 \$ 1,912 \$	-
	93.779 Total 93.788	Opioid STR	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	INDIANA DIVISION OF MENTAL HEALTH AND ADDICTION	21959	\$	1,912 \$ 85,814 \$	
	93.788	Opioid STR		Pass Through	INDIANA DIVISION OF MENTAL HEALTH AND ADDICTION	28028	\$	128,074 \$	-
	93.788	Opioid STR		Pass Through	INDIANA FAMILY AND SOCIAL SERVICES ADMINISTRATION			332,405 \$	
	93.788 Total 93.822	Health Careers Opportunity Program	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct		D18HP29042-03	\$	546,293 \$ 252,734 \$	-
	93.822 Total 93.825	National Ebola Training and Education Center (NETEC)	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	UNIVERSITY OF NEBRASKA MEDICAL CENTER		\$	252,734 \$ 32,187 \$	
	93.825 Total 93.884	Grants for Primary Care Training and Enhancement	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct			\$	32,187 \$ (1,515) \$	-
	93.884 Total 93.912	Rural Health Care Services Outreach, Rural Health Network Development and Small Health Care Provider Quality Improvement Program	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct		1G25RH33017-01-01	\$	(1,515) \$ 13,264 \$	
	93.912 Total 93.913	Grants to States for Operation of State Offices of Rural Health	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	INDIANA STATE DEPARTMENT OF HEALTH	00000000000000000000000000000000000000	\$ \$	13,264 \$ 4,329 \$	
	93.913 Total 93.914	HIV Emergency Relief Project Grants	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	HEALTH AND HOSPITAL CORPORATION OF MARION		\$	4,329 \$ 15,312 \$	5,641
	93.914	HIV Emergency Relief Project Grants		Pass Through	COUNTY MARION COUNTY HEALTH DEPARTMENT	H89HA11463	\$	55,208 \$	-
	93.914 Total 93.917	HIV Care Formula Grants	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	INDIANA AIDS FUND		\$ \$	70,520 \$ 41,236 \$	-
	93.917 Total 93.918	Grants to Provide Outpatient Early Intervention Services with Respect to HIV Disease	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	HEALTH AND HOSPITAL CORPORATION OF MARION	H76HA00112	\$	41,236 \$ 28,685 \$	
	93.918 Total 93.959	Block Grants for Prevention and Treatment of Substance Abuse	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	COUNTY INDIANA DIVISION OF MENTAL HEALTH AND ADDICTION	19256	\$ \$	28,685 \$ 23,142 \$	

Cluster	CFDA Number	CFDA Program Title	Federal Agency Highest Level	Direct or Pass Through	Pass Through Entity	Grant Number		ederal	Sub-recipient Expenditures
	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	21820	\$	402,795	
	93.959	Block Grants for Prevention and Treatment of Substance Abuse		Pass Through	INDIANA DIVISION OF MENTAL HEALTH AND ADDICTION	21959	\$	145,012	\$ -
	93.959	Block Grants for Prevention and Treatment of Substance Abuse		Pass Through	INDIANA DIVISION OF MENTAL HEALTH AND ADDICTION	28028	\$	938,123	\$ -
	93.959	Block Grants for Prevention and Treatment of Substance Abuse		Pass Through	INDIANA DIVISION OF MENTAL HEALTH AND ADDICTION	29631	\$	41,061	s -
	93.959	Block Grants for Prevention and Treatment of Substance Abuse		Pass Through		A55-5-53-15-2H-0203	\$	206,507	s -
	93.959 Total 93.969	PPHF Geriatric Education Centers	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct	SERVICES ADMINISTRATION	4 U1QHP28719-03-04	\$ \$	1,756,640 806,388	
	93.969	PPHF Geriatric Education Centers	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Direct		6 U1QHP28719-03	\$	65,627	\$ 28,002
	93.969 93.969 Total	PPHF Geriatric Education Centers		Direct		6 U1QHP28719-03-01	\$ \$	3,227 875,242	
	93.994	Maternal and Child Health Services Block Grant to the States	HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	INDIANA STATE DEPARTMENT OF HEALTH	14495	\$	437,312	
	93.994	Maternal and Child Health Services Block Grant to the States		Pass Through	INDIANA STATE DEPARTMENT OF	22790	\$	91,759	\$ -
	93.994 Total 94.006	AmeriCorps	CORPORATION FOR NATIONAL AND COMMUNITY SERVICE	Pass Through	HEALTH INDIANA COMMISSION FOR	26570	\$ \$	529,071 4,500	
		•	CORPORATION FOR NATIONAL AND COMMUNITY SERVICE	· ·	HIGHER EDUCATION				
	94.006	AmeriCorps		Pass Through	INDIANA COMMISSION FOR HIGHER EDUCATION	27938	\$	1,815	
	94.006	AmeriCorps		Pass Through	INDIANA COMMISSION FOR HIGHER EDUCATION	27940	\$	1,037	
	94.006	AmeriCorps		Pass Through	INDIANA COMMISSION FOR HIGHER EDUCATION	J22-18-C0693	\$	352	\$ -
	94.006 94.006 Total	AmeriCorps		Pass Through	INDIANA DEPARTMENT OF WORKFORCE DEVELOPMENT	22388	\$ \$	7,539 15,243	
	97.036	Disaster Grants - Public Assistance (Presidentially Declared Disasters)	HOMELAND SECURITY, DEPARTMENT OF	Pass Through	SOUTH CAROLINA EMERGENCY MANAGEMENT DIVISION	4166-DR-SC	\$	60,027	
	97.036 Total	Out and the Tarketted Barbara	HOMELAND CECURITY DEPARTMENT OF	Pircel		FMO 2040 OA 20000	\$	60,027	
	97.045 97.045 Total	Cooperating Technical Partners	HOMELAND SECURITY, DEPARTMENT OF	Direct		EMC-2018-CA-00003	\$ \$	103,370 103,370	\$ -
	97.047	Pre-Disaster Mitigation	HOMELAND SECURITY, DEPARTMENT OF	Pass Through	INDIANA DEPARTMENT OF HOMELAND SECURITY	30352	\$	296,999	\$ -
	97.047	Pre-Disaster Mitigation		Pass Through		EMC-2015-PC-0010	\$	561	\$ -
	97.047 Total 97.065	Homeland Security Advanced Research Projects Agency	HOMELAND SECURITY, DEPARTMENT OF	Pass Through	MORGRIDGE INSTITUTE FOR RESEARCH	D13-J0032	\$ \$	297,560 91,150	
	97.065 Total 97.082	Earthquake Consortium	HOMELAND SECURITY, DEPARTMENT OF	Pass Through	CENTRAL UNITED STATES EARTHQUAKE CONSORTIUM		\$ \$	91,150 32,391	
	97.082 Total 98.001	USAID Foreign Assistance for Programs Overseas	AGENCY FOR INTERNATIONAL DEVELOPMENT	Pass Through	REGENSTRIEF INSTITUTE, INC.	AID-OAA-L-14-00004	\$ \$	32,391 48,986	
	98.001	USAID Foreign Assistance for Programs Overseas		Pass Through	WORLD LEARNING	S01-AID-167-A-14-00002	\$	135,183	
	98.001 Total 98.012	USAID Development Partnerships for University Cooperation and Development	AGENCY FOR INTERNATIONAL DEVELOPMENT	Pass Through	PURDUE UNIVERSITY	F9002550402031	\$ \$	184,169 315,898	
	98.012 Total 93.408	ARRA - Nurse Faculty Loan Program	Department of Health and Human Services	Direct			\$	315,898 243,873	\$ - \$
	93.408 Total 12.U01		DEPARTMENT OF DEFENSE	Pass Through	MONTANA STATE UNIVERSITY	421225C083	\$	243,873 8,607	
	12.U01 Total			-			\$	8,607	\$ -
	12.U02 12.U02 Total		DEPARTMENT OF DEFENSE	Pass Through	INSTITUTE FOR DEFENSE AND BUSINESS	12 U112	\$ \$	2,607 2,607	
	81.U01 81.U01 Total		ENERGY, DEPARTMENT OF	Pass Through	BROOKHAVEN NATIONAL LABORATORY	240296	\$ \$	2,676 2,676	
	81.U02		ENERGY, DEPARTMENT OF	Pass Through	BATTELLE MEMORIAL INSTITUTE	347370	\$	65,525	\$ -
	81.U02 Total 16.U01		JUSTICE, DEPARTMENT OF	Pass Through	INDIANA YOUTH SERVICES ASSOCIATION	16 U116	\$	65,525 6,065	\$ -
	16.U01 Total 93.U02		HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	REGENSTRIEF INSTITUTE, INC.	93 U193	\$	6,065 6,387	\$ -
	93.U02 Total 11.U01		COMMERCE, DEPARTMENT OF	Direct		ST-1330-13-CQ-0037		6,387 1,516,570	\$ -
	11.U01 Total 64.U01		VETERANS AFFAIRS, DEPARTMENT OF	Direct		VA240-17-C-0057	\$	1,516,570 258,204	\$ -
	64.U01 Total 10.U04		AGRICULTURE, DEPARTMENT OF	Direct		18-CS-11091200-009	\$ \$	258,204 14,469	\$ -
	10.U04 Total 20.U01		TRANSPORTATION, DEPARTMENT OF	Direct		DTNH22-12-C-00270	\$ \$	14,469 141,107	\$ -
	20.U01 Total 20.U02		TRANSPORTATION, DEPARTMENT OF	Direct		DTNH2213C00325L	\$	141,107 60,645	\$ -
	20.U02 Total						\$	60,645	\$ -
	10.U03 10.U03 Total		AGRICULTURE, DEPARTMENT OF	Direct		14-CS-11091202-009	\$	7,317 7,317	\$ -
	10.U05 10.U05 Total		AGRICULTURE, DEPARTMENT OF	Direct		18-CS-11091200-023	\$ \$	4,541 4,541	\$ -
	10.U01 10.U01 Total		AGRICULTURE, DEPARTMENT OF	Direct		14-CS-11132466-023	\$ \$	160,026 160,026	

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- 1	Cluster	CFDA Number	CFDA Program Title	Federal Agency Highest Level	Through	Pass Through Entity	Grant Number	Expenditure		xpenditures
		15.U01 15.U01 Total		INTERIOR, DEPARTMENT OF THE	Direct		GS-02F- 0073Y^P13PA00052^140P2118F0 225^SIN874-4	\$ 38,3	46 \$ 46 \$	
		10.U06 10.U06 Total		AGRICULTURE, DEPARTMENT OF	Direct		19-CS-11132466-002	\$ 43,6	B2 \$ B2 \$:
		11.U02 11.U02 Total		COMMERCE, DEPARTMENT OF	Direct		16111011-0000	\$ 49,2	76 \$ 76 \$	
		12.U07 12.U07 Total		DEPARTMENT OF DEFENSE	Direct		W912L918P0098	\$ 9,3	55 \$ 55 \$	
		12.U03 12.U03 Total		DEPARTMENT OF DEFENSE	Direct		Kevin Mickey	\$ 15,7	36 \$ 36 \$	
		12.U04		DEPARTMENT OF DEFENSE	Direct		Kavya Urs Beerval Ravichandra		28 \$	
		12.U04 Total 12.U06 12.U06 Total		DEPARTMENT OF DEFENSE	Direct		Kayla Kauffman	\$ 15,6	28 \$ 86 \$ 86 \$	-
		12.U05 12.U05 Total		DEPARTMENT OF DEFENSE	Direct		Matthew Riggs	\$ 18,1 \$ 18,1	B4 \$ B4 \$:
		93.U01		HEALTH AND HUMAN SERVICES, DEPARTMENT OF	Pass Through	REGENSTRIEF INSTITUTE, INC.	7500129571^7500149506		74 \$	-
		93.U01 Total 98.U06		AGENCY FOR INTERNATIONAL DEVELOPMENT	Pass Through	MOI TEACHING AND REFERRAL HOSPITAL	AID-615-A-12-00001	\$ 810,5		-
		98.U06 Total 20.U03		TRANSPORTATION, DEPARTMENT OF	Pass Through	INDIANA DEPARTMENT OF TRANSPORTATION	I-69 Section 5	\$ 810,5 \$ 139,6	95 \$	-
		20.U03 Total 84.U01		EDUCATION, DEPARTMENT OF	Pass Through	INDIANA FAMILY AND SOCIAL SERVICES ADMINISTRATION	20039	\$ 139,6 \$ 255,4	95 \$ 25 \$	-
		84.U01 Total 10.U02		AGRICULTURE, DEPARTMENT OF	Pass Through	INDIANA DEPARTMENT OF EDUCATION	18257	\$ 255,4 \$ 48,1	25 \$ 62 \$	-
G	Grand Total	10.U02 Total				EDUCATION		\$ 44,138,0		16,109,732 61,186,647

INDIANA UNIVERSITY NOTES TO SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS

Note 1. Scope of Review

All required federal awards expended by the University have been included in the Schedule of Expenditures of Federal Awards (Schedule).

Note 2. Basis of Presentation and Summary of Significant Accounting Policies

Title 2 U.S. Code of Federal Regulations Part 200, Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards (Uniform Guidance) requires an annual audit of any entity expending a total amount of federal awards equal to or in excess of \$750,000 in any fiscal year unless by constitution or statute a less frequent audit is required. In accordance with the Indiana Code (IC 5-11-1 et seq.), audits of universities shall be conducted annually.

The accompanying Schedule has been prepared in a format that presents summary financial information of the federal funds awarded to Indiana University directly from federal agencies as well as amounts received as sub awardee of other organizations. For purposes of the Schedule, federal assistance includes all federal assistance and procurement relationships as described in UG §200.502 that are entered into directly between Indiana University and the federal government and sub-awards from nonfederal organizations made under federally sponsored agreements. Because the Schedule presents only a selected portion of the activities of Indiana University, it is not intended to and does not present either the financial position, change in net position, or change in cash flows of the University.

The accounting principles followed by Indiana University and used in preparing the accompanying schedule are as follows:

Awards Other Than Student Financial Assistance

Deductions (expenditures) for direct costs are recognized as incurred using the accrual method of accounting and the cost accounting principles contained in the Uniform Guidance. Under those cost principles, certain types of expenditures are not allowable or are limited as to reimbursement. Moreover, expenditures include a portion of costs associated with general university activities (indirect costs) which are allocated to federal awards under negotiated formulas commonly referred to as indirect cost rates. As a recipient, the University utilizes its federally negotiated indirect F&A cost rate and does not utilize the de minimis rate.

Student Financial Assistance

Expenditures during the audit period for non-loan awards made to students are recognized and reported in the Schedule.

INDIANA UNIVERSITY NOTES TO SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (Continued)

The Department of Education has asked that we report Direct Loans net of fees and gross returns. As a result, figures for new Federal Direct Student Loans (including Direct Parent PLUS Loans) reflect the highest amount disbursed each term for the benefit of each student, net of origination fees and disregarding subsequent reductions made for any reason. This requires moving from the previous July 1 to June 30 fiscal year reporting period to an aid year reporting period covering fall, winter, spring and summer terms.

Besides Direct Student Loans, other student loan programs that are funded by the federal government include the Federal Perkins Loan Program - Loan / Loan Guarantee; Nursing Student Loans; the Nurse Faculty Loan Program; and Health Professions Student Loans, Including Primary Care Loans and Loans for Disadvantaged Students (HPSL/PCL/LDS). Activity related to these Campus Based Federal Loan Programs includes federal capital contributions, loan repayments, interest earned on loans, cancellation of loans, and administrative and collection costs.

In both the Schedule and Note 3 below, figures for these Campus Based Federal Loan Programs reflect the outstanding principal of the new loans made or received during the audit period, as well as the balance of any outstanding principal of loans made in previous years for which the Federal Government continues to impose on-going compliance requirements. The principal balances below were not impacted by an interest subsidy, cash, or administrative cost allowance.

Note 3: Loans Outstanding

These are the outstanding loan principal balances as of June 30, 2019, for these Campus Based Federal Loan Programs. This excludes student loans that were paid in full; cancelled; or, in some cases, assigned back to the Department of Education as of June 30, 2019.

	CFDA	June 30, 2019 Loan
Federal Loan Program Title	Number	Balance
Federal Perkins Loan Program - Loan / Loan Guarantee	84.038	32,265,354
Nursing Student Loans	93.364	2,298,824
Nurse Faculty Loan Program	93.264	871,011
ARRA – Nurse Faculty Loan Program Health Professions Student Loans, Including Primary Care	93.408	243,873
Loans and Loans for Disadvantaged Students (HPSL/PCL/LDS)	93.342	20,643,735
Total	=	\$ 56,322,797

Source: University Collections & Loan Services

INDIANA UNIVERSITY SCHEDULE OF FINDINGS AND QUESTIONED COSTS

Section I - Summary of Auditor's Results

Financial Statements:

Type of auditor's report issued: Unmodified

Internal control over financial reporting:

Material weaknesses identified?

Significant deficiencies identified? none reported

Noncompliance material to financial statements noted? no

Federal Awards:

Internal control over major programs:

Material weaknesses identified?

Significant deficiencies identified? none reported

no

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

Identification of Major Programs and type of auditor's report issued on compliance for each:

CFDA Number	Name of Federal Program or Cluster	Opinion Issued
	Student Financial Assistance Cluster	Unmodified
84.015	National Resource Centers Program for Foreign Language and Area Studies or Foreign	
	Language and International Studies	
	Program and Foreign Language and	
	Area Studies Fellowship Program	Unmodified
93.638	ACA-Transforming Clinical Practice Initiative:	
	Practice Transformation Networks (PTNs)	Unmodified

Dollar threshold used to distinguish between Type A and Type B programs: \$3,000,000

Auditee qualified as low-risk auditee? yes

Section II - Financial Statement Findings

No matters are reportable.

Section III - Federal Award Findings and Questioned Costs

No matters are reportable.

OTHER REPORTS
In addition to this report, other reports may have been issued for the University. All reports can be found on the Indiana State Board of Accounts' website: http://www.in.gov/sboa/ .
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