Temple University — Of The Commonwealth System of Higher Education

Consolidated Financial Statements and Supplemental Schedules as of and for the Years Ended June 30, 2024 and 2023, Independent Auditor's Reports in Accordance with *Government Auditing Standards*, Independent Auditor's Report on Compliance in accordance with Uniform Guidance, Schedule of Expenditures of Federal Awards for the Year Ended June 30, 2024, Independent Auditor's Report on compliance in accordance with *City of Philadelphia Subrecipient Audit Guide*, Schedule of Expenditures of City of Philadelphia Awards for the Year Ended June 30, 2024, Report on Schedule of Revenue for the Commonwealth of Pennsylvania Department of Health required by the *Pennsylvania Department of Health Audit Guidance*, and Schedule of Revenue for the Commonwealth of Pennsylvania Department of Health for the Year Ended June 30, 2024.



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INDEPENDENT AUDITOR'S REPORT

To the Board of Trustees Temple University – Of The Commonwealth System of Higher Education Philadelphia, Pennsylvania

Report on the Audit of the Financial Statements

We have audited the consolidated financial statements of Temple University – Of The Commonwealth System of Higher Education and subsidiaries ("Temple"), which comprise the consolidated balance sheets as of June 30, 2024 and 2023, and the related consolidated statements of activities, and cash flows for the years then ended, and the related notes to the consolidated financial statements (collectively referred to as the "financial statements").

In our opinion, the accompanying financial statements present fairly, in all material respects, the financial position of Temple as of June 30, 2024, and 2023, and the results of its operations and its cash flows for the years then ended in accordance with accounting principles generally accepted in the United States of America.

Basis for Opinion

We conducted our audits in accordance with auditing standards generally accepted in the United States of America (GAAS) and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States (*Government Auditing Standards*). Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are required to be independent of Temple and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audits. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

The financial statements of Temple include various subsidiaries as outlined in Note 1 to the financial statements. The financial statements of Temple University – Of The Commonwealth System of Higher Education, includes subsidiaries of Temple University Health System Inc. ("TUHS"). The subsidiary of TUHS; TUHS Insurance Company, Ltd.; was audited by us; and the subsidiary of Temple; Temple Educational Support Services Ltd.; which was audited by other auditors were audited in accordance with generally accepted auditing standards but were not audited in accordance with *Government Auditing Standards* and, accordingly, are not covered by our reports in accordance with *Government Auditing Standards*.

Responsibilities of Management for the Financial Statements

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

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about Temple's ability to continue as a going concern for one year after the date that the financial statements are available to be issued.

Auditor's Responsibilities for the Audit of the Financial Statements

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

In performing an audit in accordance with GAAS and Government Auditing Standards, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- Obtain an understanding of internal control relevant to the audit 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 Temple's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about Temple's ability to continue as a going concern for a reasonable period of time.

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

Report on Supplemental Schedules

Our audits were conducted for the purpose of forming an opinion on the consolidated financial statements as a whole. The supplemental schedules on pages 63 through 64 are presented for the purpose of additional analysis of the financial statements rather than to present the financial position, results of operations, and cash flows of the individual companies, and are not a required part of the financial statements. These supplemental schedules are the responsibility of Temple's management and were derived from and relate directly to the underlying accounting and other records used to prepare the financial statements. Such schedules have been subjected to the auditing procedures applied in our audits of the financial statements and certain additional procedures, including comparing and reconciling such schedules directly to the underlying accounting and other records used to prepare the financial statements themselves, and other records used to prepare the financial statements are additional procedures in accordance with GAAS. In our opinion, such schedules are fairly stated in all material respects in relation to the financial statements as a whole.

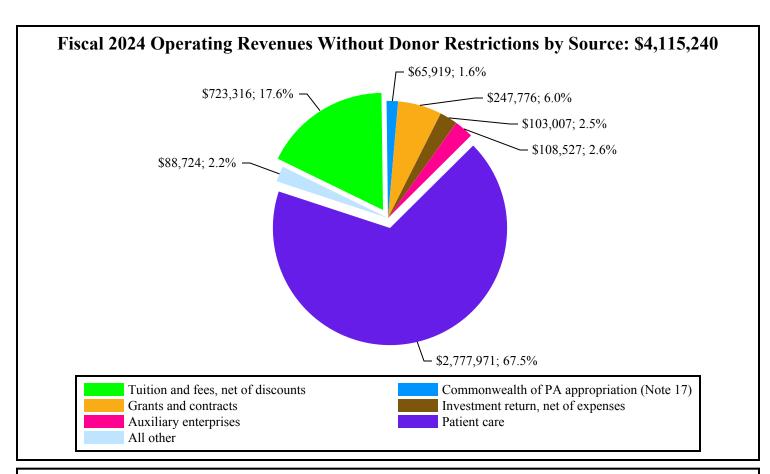
Other Reporting Required by Government Auditing Standards

In accordance with *Government Auditing Standards*, we have also issued our report dated October 28, 2024 on our consideration of Temple'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 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 Temple'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 Temple's internal control over financial reporting and compliance.

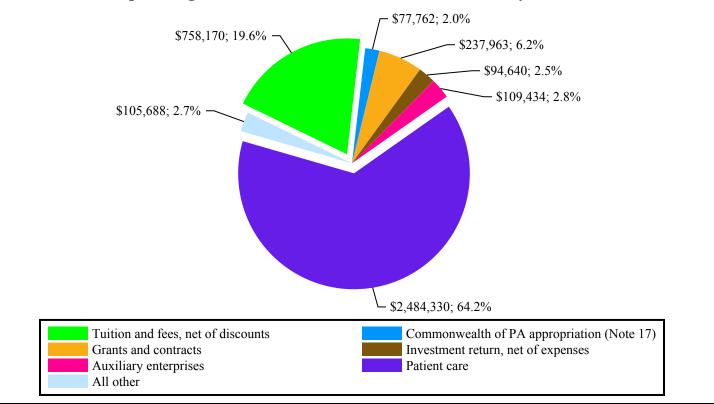
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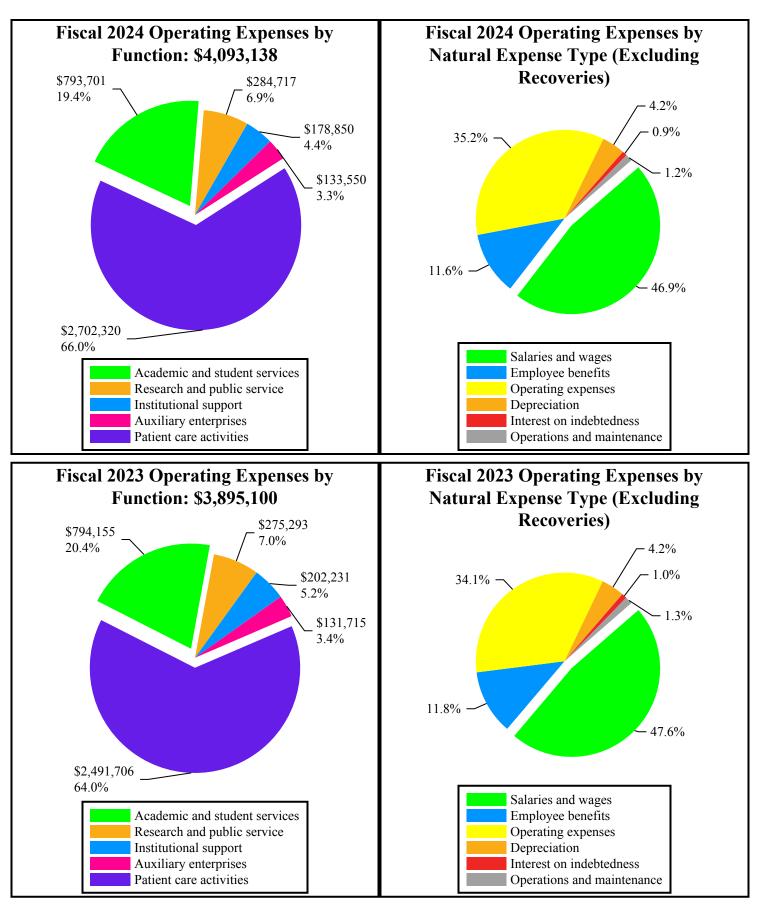
October 28, 2024

Temple University — Of The Commonwealth System of Higher Education and its Subsidiaries Summary of Financial Statements (dollars in thousands)



Fiscal 2023 Operating Revenues Without Donor Restrictions by Source: \$3,867,987





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Consolidated Balance Sheets

(in thousands)

	Ju	ne 30, 2024	June 30, 2023			
Assets						
Current assets:						
Cash and cash equivalents	\$	408,268	\$	506,047		
Investments and self-insurance trust funds		1,537,549		1,403,204		
Accounts, loans, and contributions receivable, net		730,670		583,167		
Inventories and other assets		71,703		76,244		
Deposits with trustees		23,981		19,873		
Total current assets		2,772,171		2,588,535		
Non-current assets:						
Accounts, loans, and contributions receivable, net		134,535		166,206		
Endowment, investments, and self-insurance trust funds		1,215,205		1,137,694		
Deposits with trustees		24,756		24,538		
Other assets		123,673		130,600		
Property, plant, and equipment, net		1,925,570		1,882,570		
Operating lease right-of-use assets		87,446		87,307		
Intangible assets, net		109		660		
Funds held in trust by others		171,486		158,954		
Total non-current assets		3,682,780		3,588,529		
Total assets	\$	6,454,951	\$	6,177,064		
Liabilities and Net Assets						
Current liabilities:						
Accounts payable and accrued expenses	\$	617,830	\$	496,864		
Deferred revenue		90,644		105,337		
Short-term debt		12,000				
Current portion of long-term debt, net		46,341		42,483		
Current portion of accrued pensions and postretirement benefits		16,984		338		
Total current liabilities		783,799		645,022		
Non-current liabilities:		,				
Accrued expenses and other liabilities		390,272		461,534		
Deferred revenue		13,261		16,594		
Long-term debt, net		887,867		930,919		
Operating lease liabilities		76,388		77,317		
Refundable federal student loans		30,578		30,707		
Accrued pensions and postretirement benefits		6,468		18,553		
Total non-current liabilities		1,404,834		1,535,624		
Total liabilities		2,188,633		2,180,646		
Net assets:		2,100,035		2,100,040		
Without donor restrictions		3,327,462		3,202,917		
With donor restrictions		938,856		793,501		
Total net assets		4,266,318		3,996,418		
Total liabilities and net assets	\$	6,454,951	\$	6,177,064		
See accompanying notes to the consolidated financial statements	Φ	0,434,931	φ	0,177,004		

Consolidated Statement of Activities For the Year Ended June 30, 2024 (in thousands)

	Without Donor Restrictions	With Donor Restrictions	Total
Revenues:			
Tuition and fees, net of discounts of \$157,533	\$ 723,316	\$ —	\$ 723,316
Commonwealth of Pennsylvania appropriation (Note 17)	65,919	_	65,919
Grants and contracts (federal, state, local, and private)	247,776	_	247,776
Contributions for operations and endowments	26,410	36,819	63,229
Investment return, net of expenses	103,007	4,062	107,069
Sales of educational activities	14,708		14,708
Auxiliary enterprises	108,527		108,527
Patient care activities	2,777,971		2,777,971
Other sources	37,702	(3)	37,699
Net assets released from restrictions	9,904	(9,904)	
Total revenues	4,115,240	30,974	4,146,214
Expenses:			
Educational and general:			
Academic and student services	793,701		793,701
Research and public service	284,717		284,717
Institutional support	178,850		178,850
Total educational and general	1,257,268		1,257,268
Auxiliary enterprises	133,550		133,550
Patient care activities	2,702,320		2,702,320
Total expenses	4,093,138		4,093,138
Excess of revenues over expenses	22,102	30,974	53,076
Other changes in net assets:			
Investment return, net of expenses	99,333	54,082	153,415
Commonwealth grants for property, plant, and equipment (PP&E)	2,300	63,859	66,159
Contributions for PP&E	1	1,057	1,058
Loss on disposal of PP&E, net	(4,026)	—	(4,026)
Actuarial change in accrued pensions and postretirement benefits	(5,330)	—	(5,330)
Other components of net periodic postretirement benefit cost	13,373	—	13,373
Loss on asset retirement obligation	(8,141)	—	(8,141)
Currency translation adjustment and foreign exchange realized gain, net	316	—	316
Net assets released from restrictions for PP&E	4,617	(4,617)	
Total other changes in net assets	102,443	114,381	216,824
Change in net assets	124,545	145,355	269,900
Net assets, beginning of year	3,202,917	793,501	3,996,418
Net assets, end of year	\$ 3,327,462	\$ 938,856	\$ 4,266,318
Concernence in a second of the second list of Concerning statements			

Consolidated Statement of Activities For the Year Ended June 30, 2023 (in thousands)

	hout Donor strictions	With Donor Restrictions	Total
Revenues:			
Tuition and fees, net of discounts of \$154,590	\$ 758,170	\$ 	\$ 758,170
Commonwealth of Pennsylvania appropriation (Note 17)	77,762		77,762
Grants and contracts (federal, state, local, and private)	237,963		237,963
Contributions for operations and endowments	25,858	39,296	65,154
Investment return, net of expenses	94,640	5,375	100,015
Sales of educational activities	14,158	_	14,158
Auxiliary enterprises	109,434		109,434
Patient care activities	2,484,330	_	2,484,330
Other sources	55,871	2	55,873
Net assets released from restrictions	9,801	(9,801)	
Total revenues	 3,867,987	 34,872	3,902,859
Expenses:			
Educational and general:			
Academic and student services	794,155		794,155
Research and public service	275,293		275,293
Institutional support	202,231		202,231
Total educational and general	 1,271,679		1,271,679
Auxiliary enterprises	131,715		131,715
Patient care activities	2,491,706		2,491,706
Total expenses	 3,895,100		3,895,100
(Deficit) excess of revenues over expenses	 (27,113)	34,872	7,759
Other changes in net assets:			
Investment return, net of expenses	30,833	26,108	56,941
Commonwealth grants for property, plant, and equipment (PP&E)	1,950	9,758	11,708
Contributions for PP&E	1	538	539
Loss on disposal of PP&E, net	(5,765)		(5,765)
Actuarial change in accrued pensions and postretirement benefits	2,873		2,873
Other components of net periodic postretirement benefit cost	16,294		16,294
Currency translation adjustment and foreign exchange realized gain, net	423		423
Other	11,827		11,827
Net assets released from restrictions for PP&E	5,150	(5,150)	
Total other changes in net assets	 63,586	31,254	94,840
Change in net assets	36,473	66,126	102,599
Net assets, beginning of year	3,166,444	727,375	3,893,819
Net assets, end of year	\$ 3,202,917	\$ 793,501	\$ 3,996,418
See accompanying notes to the consolidated financial statements			

TEMPLE UNIVERSITY —

OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION AND ITS SUBSIDIARIES

Consolidated Statements of Cash Flows

(in thousands)		Year Ende	d Ju	ine 30,	
		2024 2023			
Cash flows from operating activities:					
Change in net assets	\$	269,900	\$	102,599	
Adjustments to reconcile change in net assets to net cash provided by operating activities:		(21.()		(40)	
Currency translation adjustment and foreign exchange realized gain, net		(316)		(423	
Provision for bad debts		4,375		15,439	
Depreciation		171,485		164,009	
Amortization and accretion		(5,752)		(2,297	
Impairment of intangibles		352		(00.510	
Realized and unrealized gain on investments, net Actuarial change in accrued pensions and postretirement benefits		(178,496)		(90,518	
Loss on asset retirement obligation		5,330 8,161		(2,873	
Loss on disposal of property, plant, and equipment (PP&E) and assets held for sale, net		4,026		5,765	
Gain on lease modification		(20)		5,70.	
Noncash contributions received		(6,718)		(13,564	
Proceeds from sale of noncash contributions		6,718		13,564	
Contributions, grants, and investment income restricted for PP&E and long-term investment		(94,836)		(38,957	
Gain on insurance recovery		()4,050)		(11,827	
Equity method investment loss		17,005		7,430	
Changes in operating assets and liabilities:		17,005		7,150	
Accounts and contributions receivable		(187,065)		(85,079	
Inventories and other assets		15,872		(7,412	
Accounts payable and accrued expenses		101,677		(45,177	
Deferred revenue		(17,654)		16,695	
Accrued pensions and postretirement benefits		(6,704)		(7,843	
Net change in operating lease right of use assets / liabilities		(167)		958	
Net cash provided by operating activities		107,173		20,489	
Cash flows from investing activities:				;;	
Purchases of investments, deposits with trustees, and self-insurance trust funds		(851,512)		(1,147,993	
Sales and maturities of investments, deposits with trustees, and self-insurance trust funds		691,997		1,070,977	
Net change in short-term investments		116,265		(18,963	
Proceeds from insurance recovery				10,258	
Purchases of PP&E		(207,814)		(162,431	
Proceeds from sales of PP&E and assets held for sale		_		79	
Loans to students		(2,891)		(3,890	
Proceeds from collections on student loans		7,014		10,409	
Purchase of equity method investment				(16,800	
Cash advances to equity method investment		(21,200)		(19,000	
Proceeds from loans to equity method investment		4,697			
Net cash used in investing activities		(263,444)		(277,354	
Cash flows from financing activities:					
Proceeds from contributions, grants, and investment income restricted for PP&E and long-term					
investment		94,836		38,957	
Refundable federal student loans		(129)		(3,511	
Change in split interest agreements		372		(38	
Repayment of long-term debt		(43,230)		(44,737	
Proceeds from short-term borrowings (line of credit)		65,000			
Repayment of short-term borrowings (line of credit)		(53,000)		(0.200	
Net cash provided by (used in) financing activities		63,849		(9,329	
Effect of exchange rate changes on cash and cash equivalents		(115)		100	
Net change in cash, cash equivalents, and restricted cash		(92,537)		(266,094	
Cash, cash equivalents, and restricted cash, beginning of the year	¢	525,471	¢	791,565	
Cash, cash equivalents, and restricted cash, end of the year	\$	432,934	\$	525,471	
Cash and cash equivalents	\$	408,268	\$	506,047	
Restricted cash included in investments		24,666		19,424	
Fotal cash, cash equivalents, and restricted cash	\$	432,934	\$	525,471	
Supplemental disclosure of cash flow information:					
Cash paid for interest	\$	45,496	\$	43,744	
PP&E acquired through new and modified finance leases	φ	6,512	ψ	4,945	
Amounts accrued related to PP&E		26,034		16,881	
See accompanying notes to the consolidated financial statements. 10		20,001		10,001	

Notes to Consolidated Financial Statements June 30, 2024 and 2023

(dollars in thousands)

1. Description of Business and Operations

Founded in 1884, Temple University — Of The Commonwealth System of Higher Education (the "University") is a comprehensive state-related research university with its headquarters and largest campus located in Philadelphia, Pennsylvania. The University provides education and training services to approximately 33,000 students at the undergraduate, graduate, and postdoctoral/professional levels, and performs research, training, and other services under grants, contracts, and similar agreements with sponsoring organizations, including federal, state, and local sponsors. The University offers more than 600 academic programs in 17 schools and colleges, including programs in art; business; education; engineering; law; liberal arts; media and communications; music and dance; science and technology; social work; sport, tourism, and hospitality management; theater, film, and media arts; and various health professions, including dentistry; medicine; pharmacy; podiatric medicine; and public health. The University has eight campuses; including six campuses across Pennsylvania and international campuses in Rome (Italy) and Tokyo (Japan), and offers study abroad programs in various locations. The University is exempt from federal income taxes under Section 501(c)(3) of the Internal Revenue Code.

As a state-related institution, the University receives annual operating and capital non-preferred appropriations from the Commonwealth of Pennsylvania (the "Commonwealth"). Non-preferred appropriations require a two-thirds vote of each chamber of the Commonwealth's General Assembly for passage. The General Assembly is not obligated to appropriate funds to the University, and there is no guarantee that funding from the Commonwealth will continue consistent with historical levels or at levels requested by the University. The annual operating and capital appropriations from the Commonwealth were \$158,206 and \$51,000, respectively, in 2024 and \$158,206 and \$99,000, respectively, in 2023. In addition to the annual appropriations, the Commonwealth also provides funding for sponsored programs as well as patient care activities provided by the University's health system (see Notes 17 and 18).

The University is the sole member of its subsidiary Temple University Health System, Inc. ("TUHS"). The University and TUHS are collectively referred to herein as "Temple". See the accompanying supplemental schedule for a complete listing of Temple's subsidiary organizations. A summary of Temple's active and recently active subsidiaries and clinical faculty practice plan is as follows:

	Temple's Active Subsidiaries as of June 30, 2024
Temple University Health System, Inc. ("TUHS")	A Pennsylvania nonprofit corporation dedicated to providing access to quality patient care and supporting excellence in medical education and research, of which the University is the sole member. TUHS was incorporated in August 1995 and serves principally to coordinate the activities and plans of its health care subsidiaries in Philadelphia and the surrounding area. TUHS' subsidiaries and affiliates include a network of hospitals and outpatient centers, a comprehensive physician network of primary care and specialty practices, ambulatory services, various research entities, a foundation to support the health-care related activities of TUHS, and a captive insurance company established to reinsure the professional liability claims of certain subsidiaries of TUHS. See the accompanying supplemental schedules for a complete listing of TUHS' subsidiaries.
Temple Educational Support Services, Ltd. ("TESS")	A limited liability company organized and incorporated under the laws of Japan. TESS was established in December 1995 to operate the University's Japan campus and is a wholly-owned subsidiary of the University.
Temple University School of Podiatric Medicine, Inc. ("TUSPM")	A Pennsylvania nonprofit corporation that holds the real estate associated with the University's School of Podiatric Medicine.

2. Summary of Significant Accounting Policies

Basis of Presentation and Consolidation — The consolidated financial statements have been prepared on the accrual basis of accounting, in accordance with accounting principles generally accepted in the United States of America ("U.S. GAAP") and with the provisions of the Financial Accounting Standards Board ("FASB") Accounting Standards Codification ("ASC") 958, *Not-for-Profit Entities*. The accompanying consolidated financial statements include the accounts of Temple and its wholly-owned subsidiaries. All significant intercompany accounts and transactions have been eliminated in consolidation.

Temple is required to classify its net assets into two categories based on the existence or absence of donorimposed restrictions: net assets without donor-imposed restrictions and net assets with donor-imposed restrictions. Descriptions of the two net asset categories are as follows:

Net Assets without Donor Restrictions — Net assets not subject to donor-imposed restrictions. These net assets may be designated for specific purposes by action of the board of trustees or may otherwise be limited by contractual agreements with outside parties. Temple reports donor-restricted support whose restrictions are met in the same reporting period as support within *Net assets without donor restrictions*. All expenses from operations are reported as a reduction of *Net assets without donor restrictions*, since the use of restricted contributions in accordance with donors' stipulations results in the release of the restriction.

Net Assets with Donor Restrictions — Net assets subject to donor-imposed restrictions, which are donor stipulations that specify a use for a contributed asset that is more specific than broad limits resulting from the following: a) the nature of the not-for-profit entity, b) the environment in which it operates and c) the purposes specified in its articles of incorporation or bylaws or comparable documents. Net assets subject to donor-imposed restrictions include contributions for which donor-imposed restrictions have not been met (primarily future capital projects), donor restricted endowment funds, charitable remainder unitrusts, pooled income funds, gift annuities, and pledges receivable. When a donor restriction expires, that is, when a stipulated time restriction ends or purpose restriction is accomplished, donor-restricted net assets are reclassified to *Net assets without donor restrictions* and reported in the consolidated statements of activities as *Net assets released from restrictions*.

Cash, Cash Equivalents, and Restricted Cash — Temple considers all highly liquid investments with an original maturity of three months or less at the date of purchase to be cash equivalents. Temple maintains cash balances in financial institutions, which exceed federal depository insurance limits. Management believes that credit risks related to these deposits are minimal. Cash equivalents that are not traded on an active exchange are carried at cost, which approximates fair value.

Endowment and Investments — Endowment and investments (collectively referred to as "investments") are comprised of the assets of Temple's endowment, certain donor restricted funds, funds designated by the board of trustees to be invested as endowments, certain funds set aside to retire long-term debt, other plant-related funds, and other funds without donor restrictions held for operating purposes. These investments vary as to their level of liquidity, with differing requirements for notice prior to redemption or withdrawal. Investments established for donor and board-designated endowments, investments pledged as collateral, and certain investments set aside to retire long-term debt are classified as non-current assets. All other investments are classified as current assets (see Notes 3, 10, 11, and 14).

Temple reports investments including debt and equity securities at fair value. Temple also invests in various limited partnerships, hedge funds, and other investment funds whose fair value is measured at net asset value per share as determined by the respective fund managers and financial information provided by the

investment entities. This financial information includes assumptions and methods that are reviewed by Temple. Because these investments are not readily marketable, the estimated fair values are subject to uncertainty and, therefore, may differ from the value that would have been used had a ready market existed, and such differences could be material.

Temple has adopted, for endowments and funds designated by the board of trustees to be invested as endowments, a spending rule based on a percentage of the fair value of such investments, computed as a moving average over the prior twelve quarters. For these investments, the spending rule amount is reported as *Investment return* in revenues with the excess or shortfall of total return over the spending rule amount reported as *Investment return* in *Other changes in net assets* in the consolidated statements of activities. For all other investments, interest and dividend income is reported as *Investment return* in revenues and realized and unrealized gains or losses are reported as *Investment return* in *Other changes in net assets* in the consolidated statements of activities (see Notes 3 and 11).

Investment return, net of external and direct internal investment expenses, is reported as increases to net assets without donor restrictions or assets with donor restrictions based upon the existence or absence of donor-imposed restrictions.

Investments, in general, are exposed to various risks such as interest rate, credit, and overall market volatility. As such, it is reasonably possible that changes in the value of investments will occur in the near term and that such changes could materially affect the amounts reported in the consolidated financial statements.

Derivatives — The University enters into derivative financial instruments, principally futures contracts, to manage equity price risk. Futures contracts are recorded as contractual commitments on a trade-date basis and are carried at fair value based on closing exchange quotations. The fair value of derivative financial instruments at the reporting date generally reflects the amount the University would receive or pay to terminate the contract at the reporting date. Changes in fair value are recorded as *Investment return* in *Other changes in net assets*. The University does not designate any derivative instruments as hedging instruments (see Note 3).

Self-Insurance Trust Funds — Temple self-insures or maintains deductibles under its various insurance policies for property, casualty, automobile, general liability, medical malpractice, workers' compensation, certain health and welfare, and other claims. Self-insurance trust funds include assets that are designated for payments of workers' compensation risk retained by Temple. Provisions are made for estimated losses (claims made and claims incurred but not reported) generally based on actuarial methods, which include discounting of certain loss provisions (see Note 3).

Accounts, Loans, and Contributions Receivable — Accounts, loans, and contributions receivable are reported at their net realizable value. The allowance for doubtful accounts is based upon management's judgment including such factors as historical collection history, type of receivable, and periodic assessment of individual accounts. Temple writes-off receivables when they are determined to be uncollectible, and payments subsequently received on such receivables are credited to the allowance for doubtful accounts. Temple does not accrue interest on these amounts (see Note 4).

Inventories and Other Assets — Inventories are stated at the lower of cost or net realizable value, with cost being determined on the first-in, first-out, or average cost method. Inventories at June 30, 2024 and 2023, totaled \$40,048 and \$44,115, respectively, and are included in *Inventories and other assets* in the consolidated balance sheets. *Inventories and other assets* also include prepaid expenses, and advances. *Other assets, non-*

current include pension and postretirement plans that are in an over-funded position, which totaled \$84,446 and \$80,101 at June 30, 2024 and 2023, respectively (see Note 5).

Deposits with Trustees — Deposits with trustees include assets held in escrow by designated bond trustees for debt service payments and construction or enhancement of property, plant, and equipment (see Note 6).

Property, Plant, and Equipment — Property, plant, and equipment are recorded at cost less accumulated depreciation. Property, plant, and equipment gifted to Temple are recorded at the fair value at the date of acquisition. Depreciation is calculated using the straight-line method over the estimated useful lives of the assets, which range from three to forty years. Leasehold improvements are depreciated over the shorter of the estimated useful life of the leasehold improvements or the lease term. Land is not depreciated. Depreciation for equipment commences once it is placed in service and depreciation for buildings and leasehold improvements commences once they are ready for their intended use (see Note 7).

Estimated useful lives of property, plant, and equipment are as follows:

	Useful Life
Land improvements	8 - 20 years
Buildings	20 - 40 years
Building improvements	15 - 40 years
Furniture, fixtures, and equipment	3 - 20 years
Library books	10 years

Cost of maintenance and repairs is charged to expense as incurred. Upon retirement or other disposition, the cost of the asset and the related accumulated depreciation are removed from the accounts and any resulting gain or loss is reflected in the consolidated statements of activities.

Long-Lived Assets — Temple reviews long-lived assets, such as property, plant, and equipment, for impairment whenever events or changes indicate that the carrying value of the asset may not be recoverable. Recoverability of assets to be held and used is measured by a comparison of the carrying amount of the assets to their expected undiscounted future cash flows. If such assets are considered to be impaired, the impairment is measured by the amount the carrying value exceeds the fair value of the assets. On September 1, 2021, a tornado that was a byproduct of Hurricane Ida (the "Storm"), struck the center of the University's Ambler Campus; with remnants of the Storm also causing damage to the University's boathouse located along the Schuylkill River. Gains on insurance recoveries related to the Storm totaled \$11,827 in the 2023 consolidated statement of activities. The Storm resulted in impairments to long-lived assets located at both locations totaling \$1,558. No impairment of long-lived assets occurred in 2024.

Goodwill and Other Intangibles — Goodwill and indefinite-lived intangible assets are not amortized, but are evaluated for impairment annually, or when indicators of a potential impairment are present. Temple's annual impairment assessment date is June 30. The annual assessment for impairment of goodwill and indefinite-lived intangible assets is based on valuation models that incorporate assumptions and internal projections of expected future cash flows and operating plans. In 2024 and 2023, there were no indicators of potential impairment of indefinite-lived intangible assets.

The cost of intangible assets with determinable useful lives is amortized to reflect the pattern of economic benefits consumed on a straight-line basis over the estimated periods benefited. Intangibles with contractual terms are generally amortized over their respective legal or contractual lives. When certain events or changes in operating conditions occur, an impairment assessment is performed and the lives of intangible assets with determinable lives may be adjusted and impairment charges recorded. In 2024, based on the results of

Temple's assessment, impairments of intangible assets with determinable useful lives totaled \$(352). In 2023, there were no indicators of potential impairment of intangible assets with determinable useful lives (see Note 23).

Leases — Temple determines if an arrangement is a lease at inception. A contract is or contains a lease if the contract conveys the right to control and obtain substantially all of the economic benefits from an identified asset, and provides Temple with the right to direct the use of the identified asset for a period of time in exchange for consideration. Operating leases are included in *Operating lease right-of-use assets*, *Operating* lease liabilities (non-current), and Accounts payable and accrued expenses (current). Operating lease right-of-use ("ROU") assets represent Temple's right to use an underlying asset for the lease term. Operating lease liabilities represent Temple's obligation to make lease payments arising from the lease. Operating lease ROU assets and lease liabilities are recognized at the commencement date based on the present value of lease payments over the lease term. If a lease agreement does not provide an implicit rate, based on the information available at the commencement date, Temple uses its incremental borrowing rate in determining the present value of lease payments. The rate implicit on Temple's leases were not readily available and, as such, Temple used the incremental borrowing rate when measuring all leases. Temple determines its incremental borrowing rate based on the approximate rate at which Temple would borrow, on a collateralized basis over a similar term. The determination of the incremental borrowing rate includes numerous assumptions such as credit standing, lease term, amount of borrowing, and location of leased assets. Certain real estate leases include options to extend or terminate agreements. Options to extend or terminate the lease are considered in determining the lease term only when it is reasonably certain that the option will be exercised (see Note 9). Lease expense for lease payments is recognized on a straight-line basis over the lease term. Temple elected the practical expedient that allows lessees to choose not to separate lease and non-lease components and is applying this expedient to all real estate leases and all embedded equipment leases related to consumable purchase agreements. Certain lease agreements for real estate include payments based on actual common area maintenance and other expenses, such as insurance and taxes. These variable lease payments are recognized within operating expenses, but are not included in the calculation of right-of-use asset or liability balances. Additionally, Temple elected to not recognize lease assets and lease liabilities for all leases with a term of 12 months or less; such lease payments are recognized as expense on a straight-line basis over the lease term. Temple's operating leases are primarily for facility space, automobiles, and office equipment. Temple's finance leases are included in Property, plant, and equipment, net, and Long-term debt in the consolidated balance sheet (See Note 9).

Funds Held in Trust by Others — Temple is the irrevocable beneficiary of the income from certain perpetual trusts administered by third parties. Temple's beneficial interest is reported at the fair value of the underlying trust assets. Because the trusts are perpetual and the original corpus cannot be used, these funds are reported as donor-restricted net assets. As Temple does not have the ability to redeem funds held in trust by others, these assets are categorized as Level 3 assets (see Note 10).

Asset Retirement Obligations — Temple recognizes the fair value of an asset retirement obligation in the period in which it is incurred if a reasonable estimate of fair value can be made. When the liability is initially recorded, Temple capitalizes the cost of the asset retirement obligation by increasing the carrying amount of the related long-lived asset. Changes in the obligation due to revised estimates of the amount or timing of cash flows required to settle the future liability are recognized by increasing or decreasing the carrying amount of the asset retirement obligation liability. Changes due solely to the passage of time (accretion of the discounted liability) are recognized as an increase in the carrying amount of the liability and as an operating expense in the statement of activities. The capitalized cost associated with the retirement obligation is depreciated over the useful life of the related asset. Upon settlement of the obligation, any difference between the cost to settle

the asset retirement obligation and the liability recorded is recognized as a gain or loss in the consolidated statement of activities (see Note 8).

Defined Benefit Pension and Other Postretirement Plans — Temple recognizes the over-funded or underfunded status of its defined benefit pension and other postretirement plans as an asset or liability in its balance sheets and recognizes changes in the funded status of the plans that arise during the period, but are not recognized as components of net periodic benefit cost, as *Actuarial change in accrued pensions and postretirement benefits* in the consolidated statements of activities (see Note 5).

Fair Value Measurements — Temple categorizes its assets and liabilities measured at fair value into a threelevel hierarchy, based on the priority of the inputs to the respective valuation techniques, with assets that are measured using the net asset value per share practical expedient being excluded from the fair value hierarchy. 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). An asset's or liability's classification within the fair value hierarchy is based on the lowest level of significant input to its valuation. Temple's assessment of the significance of a particular input to the fair value measurement requires judgment and may affect the valuation of the fair value of assets and liabilities and their placement within the fair value hierarchy levels (see Note 10).

The carrying values of short-term assets and liabilities, including cash equivalents (not traded on an active exchange), accounts receivable, and accounts payable, approximate their fair values. Investments, self-insurance trust funds, and deposits with trustees are carried at their estimated fair value (see Notes 3 and 10). The fair value of long-term debt is estimated based upon discounted cash flows at current market rates for instruments with similar remaining terms, which Temple considers Level 2 inputs (see Notes 9 and 10). Contribution receivables are recorded at the present value of expected future cash flows (see Note 4). Considerable judgment is necessary to interpret market data and develop estimated fair values. Accordingly, the estimates presented are not necessarily indicative of the amounts at which these instruments could be purchased, sold, or settled.

A reasonable estimate of the fair value of loans receivable from students under government loan programs and refundable federal student loans could not be made because the loans are not readily salable. These loans are recorded at cost, less an allowance for doubtful accounts (see Note 4).

Revenue Recognition — Temple's revenues primarily consist of tuition and fees, auxiliary enterprises, Commonwealth appropriations, grants and contracts, contributions, and patient care activities. Revenue recognition accounting policies for Temple's primary revenue sources are as follows (see Note 18 for additional revenue disclosures):

Tuition and Fees — Tuition and fees are recognized ratably on a daily straight-line basis over the academic period as the University satisfies its performance obligation (e.g., as instruction is provided to students). The University's transaction price is determined based on established fixed tuition rates based on student residency (in-state or out-of-state) and the school or college in which they enroll, net of financial assistance provided directly by the University. Such financial assistance is recorded as a tuition discount and represents the difference between the stated charge for tuition and fees and the amount that is billed to the student and/or third parties making payments on behalf of the student. Financial assistance provided to students was \$157,533 in 2024 and \$154,590 in 2023.

Auxiliary Enterprises — Auxiliary services exist to furnish goods or services to students, faculty, staff, or incidentally to the general public, and charges a fee directly related to, although not necessarily equal to, the

cost of the goods or services. The distinguishing characteristic of auxiliary services is that they are managed as essentially self-supporting activities. Revenues from auxiliary enterprises include revenues from contracts with customers to provide student housing and dining facilities, ticket sales for athletic and community events, other athletic department revenues, parking services, and other miscellaneous activities.

The University's transaction price for housing and meal plans is determined based on established fixed rates based on the dorms students chose to live in (e.g., residence halls and room type) and the meal plan type they elect. Payments for housing services are due approximately two weeks subsequent to the start of the academic term (consistent with tuition). Performance obligations for housing and dining services are delivered over the academic terms. Consequently, revenue from housing and dining services is recognized ratably as services are rendered. For ticket sales, revenue is recognized after the event occurs and for other auxiliary services (e.g., event parking, programs, merchandise, concessions) revenue is recognized at a point in time.

Commonwealth of Pennsylvania Appropriation — The University receives annual operating and capital appropriations from the Commonwealth. Operating appropriations are provided to support the general operations of the University, which, along with additional support provided by the University, allows for a reduction in tuition rates for Pennsylvania resident students. Funds are required to be spent in accordance with applicable laws and revenue is recognized ratably over the fiscal year as the funds are expended. Capital appropriations are provided to fund certain approved capital projects in support of the University's mission. Revenue from Commonwealth capital funding is recognized on an expense reimbursement basis and is classified as "with donor restrictions" until the capital project is completed and placed in service, at such time the net assets are released from restrictions.

Strategic Support Assessment — On an annual basis, the University charges TUHS a strategic support assessment ("SSA") in support of the Lewis Katz School of Medicine ("LKSOM") for its mission of research and education, and the associated benefit to TUHS and the patients it serves. The amount of the SSA and payment terms are determined annually as part of the annual budget process. The revenue, recorded by the University, and the equal expense, recorded by TUHS, are eliminated in consolidation. The SSA is comprised primarily of the share of appropriation used to support matching funds under the Commonwealth of PA Medical Assistance Program (see Note 17).

Grants, Contracts, and Contributions — Temple receives sponsored program funding from various governmental, corporate, and private sources. The funding may represent a reciprocal transaction in exchange for an equivalent benefit in return, or it may be a nonreciprocal transaction in which the resources provided are for the benefit of Temple, the funding organization's mission, or the public at large.

Revenues from exchange transactions are recognized as performance obligations are satisfied, which in some cases are as related costs are incurred. Revenues from non-exchange transactions (contributions) may be subject to conditions, in the form of both a barrier to entitlement and a refund of amounts paid (or a release from obligation to make future payments). Revenues from conditional non-exchange transactions are recognized when the barrier is satisfied. In addition, Temple has elected the simultaneous release option for conditional contributions that are also subject to purpose restrictions. Under this option, net assets without donor restrictions will include the donor-restricted contributions for which the purpose restrictions are met in the same reporting period as the revenue is recognized. Funds received in advance (for an exchange transaction prior to the performance obligation being satisfied; or for a contribution non-exchange transaction, prior to the condition being achieved) are recorded as *Deferred revenue* on the consolidated balance sheets.

In 2024 and 2023, sponsored programs revenue earned from federal, state, local, and private sources totaled \$247,776 and \$237,963, respectively. Indirect costs recovered on federally sponsored programs are generally based on predetermined reimbursement rates, which are stated as a percentage and distributed based on the modified total direct costs incurred. The University negotiates its federal indirect rate with its cognizant federal agency. Indirect costs recovered on all other grants and contracts are based on rates negotiated with the respective sponsors. Funds received from federal sources are subject to audit in accordance with compliance standards.

Patient Care Activities — Patient care activities provided by Temple are invoiced daily, from which revenue is recognized at a point in time as patient services are provided. *Patient care activities* include revenues from TUHS as well as clinical activities provided by the University.

Patient care activities revenue is recognized at the amount that reflects the consideration to which Temple expects to be entitled in exchange for providing patient care. These amounts are due from Medicare and Medicaid, managed care health plans, commercial payors, patients, and others. Reimbursement is primarily based on the payment terms of contractual arrangements, such as predetermined rates per visit or procedure, per diem rates, or discounted fee-for-service rates. Generally, Temple bills the patients and third-party payers several days after the services are performed and/or the patient is discharged. In addition, Temple receives medical assistance payments for the reimbursement of services for charity and uncompensated care services. The federal funding of such costs is subject to an upper payment limit and retrospective settlement.

Revenue is recognized as performance obligations are satisfied. Performance obligations are determined based on the nature of the services provided. Temple recognizes revenues for performance obligations satisfied over a period of time based on actual charges incurred in relation to total expected (or actual) charges. Temple believes that this method provides a reasonable representation of the transfer of services over the term of the performance obligation based on the inputs needed to satisfy the obligation. Generally, performance obligations satisfied over time relate to patients in TUHS receiving inpatient acute care services. TUHS measures performance obligations from admission to the point where there are no further services required for the patient, which is generally the time of discharge. Temple recognizes revenues for performance obligations satisfied at a point in time, which generally relates to patient requires additional services. The patient care activities provided by the University are for outpatient type services. The University recognizes revenues for performance obligations satisfied by the University are for outpatient type services. The University recognizes revenues for performance obligations activities provided by the University are for outpatient type services. The University recognizes revenues for performance obligations satisfied at a point in time, when services are provided.

Temple estimates the transaction price for patients based on gross charges for services provided, reduced by explicit price concessions which include contractual adjustments provided to third-party payers and discounts provided to uninsured patients in accordance with Temple's policy. Temple determines its estimates of contractual adjustments and discounts based on contractual agreements, its discount policies and historical collection experience. Revenues are also adjusted for implicit price concessions. Implicit price concessions are determined based on historical collection experience. The implicit price concessions included in estimating the transaction price represent the difference between amounts remaining to be paid and the amounts Temple generally expects to collect based on its historical experience. Subsequent changes to the estimate of transaction price are generally recorded as adjustments to patient service revenue in the period of change and are accrued on an estimated basis in the period the related services are rendered. Adjustments may also occur in future periods as final settlements are determined.

Because Temple's patient service obligations generally relate to contracts with duration of less than one year, Temple has elected to apply the optional exemption and, therefore, is not required to disclose the

aggregate amount of the transaction price allocated to performance obligations that are unsatisfied or partially unsatisfied at the end of the reporting period. The performance obligations for these contracts are generally completed when the patients are discharged, which generally occurs within days or weeks of the end of the reporting period.

Generally, patients who are covered by third-party payors are responsible for related co-payments, coinsurance and deductibles, which vary in amount. Temple also provides services to uninsured patients and offers uninsured patients a discount from standard charges. Temple estimates the transaction price for patients with co-pays, co-insurance and deductibles and for those who are uninsured based on historical collection experience and current market conditions. Under Temple's uninsured discount programs, the discount offered to certain uninsured patients is recognized as a contractual discount, which reduces net operating revenues at the time the self-pay accounts are recorded. The uninsured patient accounts, net of contractual discounts recorded, are further reduced to their net realizable value at the time they are recorded through implicit price concessions based on historical collection trends for self-pay accounts and other factors that affect the estimation process. Subsequent changes to the estimate of the transaction price are generally recorded as adjustments to *Patient care activities* revenue in the period of the change.

Consistent with Temple's mission, care is provided to patients regardless of their ability to pay. Temple provides care without charge, or at a standard rate discounted for uninsured patients that is not related to published charges, to patients who meet certain criteria under Temple's charity care policy. Some patients qualify for charity care based on federal poverty guidelines or their financial condition being such that requiring payment would impose a hardship on the patient. Because Temple does not pursue collection of amounts determined to qualify as charity care, they are not reported as *Patient care activities* revenue. Temple has determined that it has provided sufficient explicit price concessions for these accounts (see Notes 18, 21, and 22).

In assessing collectability, Temple uses a combination of contract specific adjustments (such as high dollar and long length-of-stay accounts) as well as a portfolio approach as a practical expedient to account for patient contracts as collective groups rather than individually. This portfolio approach is being used as Temple has a large volume of similar contracts with similar classes of customers. Temple reasonably expects that the effect of applying a portfolio approach would not differ materially from considering each contract separately. Management's judgment to group the contracts by portfolio is based on the payment behavior expected in each portfolio category. As a result, aggregating all of the contracts (which are at the patient level) by the particular payer or group of payers will result in the recognition of the same amount of revenue as applying the analysis at the individual patient level.

Amounts received under Medicare and Medicaid programs are subject to review and final determination by program intermediaries or their agents and the contracts Temple has with commercial payers typically provide for retroactive audit and review of claims. Revenue includes an estimate of variable consideration for retroactive revenue adjustments due to settlements of audits, reviews and investigations. Retroactive adjustments are accrued on an estimated basis in the period the related services are rendered or when known by Temple and adjusted in future periods as final settlements or changes in estimates are determined. Laws and regulations governing the Medicare and Medicaid programs are extremely complex and subject to interpretation. As a result, there is at least a reasonable possibility that recorded estimates could change by a material amount in the near term.

Temple engages in various contracts with insurance companies where Temple is at risk for the total cost of care to an attributed patient population as well as contracts that provide for pay-for-performance incentives. The value of these agreements is estimated and included in net patient service revenue.

Advertising — Temple charges the costs of advertising to expense as incurred. Advertising expense was \$21,768 and \$23,390 in 2024 and 2023, respectively.

Other Changes in Net Assets — Temple considers all realized and unrealized gains and losses on investments, net of the endowment payout under Temple's spending formula, as *Other changes in net assets*. *Other changes in net assets* also includes interest and dividends on endowments and funds designated by the board of trustees to be invested as endowments; activity related to property, plant, and equipment (including grants and contributions, gains (losses) on disposals, and net assets released from restrictions); gains (losses) on extinguishment of debt; actuarial changes in accrued pensions and postretirement benefits; other components of net periodic benefit cost (see Note 5); gains (losses) on asset retirement obligations (see Note 8); gains on insurance recoveries; and foreign currency adjustments.

Income Taxes — With the exception of TUHIC (Temple's captive insurance company domiciled in Bermuda), TESS (operator of the University's Japan campus), and certain inactive subsidiaries (see supplemental schedule), substantially all of the individual members of Temple are not-for-profit corporations as described in Section 501(c)(3) of the Internal Revenue Code and are exempt from federal income taxes on related income pursuant to Section 501(a) of the Internal Revenue Code. Temple files U.S. federal, state, and local information returns and no returns are currently under examination. The statute of limitations on Temple's U.S. federal information returns remains open for three years following the year they are filed.

U.S. GAAP requires that a tax position be recognized or derecognized based on a "more likely than not" threshold. This applies to positions taken or expected to be taken in a tax return. Temple does not believe its consolidated financial statements include any uncertain tax positions that would require disclosure.

Functional Expense Allocation — Temple's operation and maintenance of plant expenses ("O&M") and depreciation expense (excluding depreciation related to auxiliary and library books) are allocated to the functional expense classifications based upon the proportionate share of expenses (excluding O&M and depreciation) reported in each functional classification in the statement of activities. Depreciation related to auxiliary fixed assets (e.g., dormitories, parking garages, and athletics) is fully allocated to *Auxiliary enterprises expense* and depreciation related to library books is fully allocated to academic support expense included in *Academic and student services* in the statement of activities (see Note 19).

Contributions from Related Parties — During the years ended June 30, 2024 and 2023, there were contributions from members of the Board of Trustees that did not have a material impact on the consolidated financial statements.

Use of Estimates — The preparation of financial statements and related disclosures in conformity with U.S. GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the dates of the financial statements and the reported amounts of revenues and expenses during the reporting periods. Temple's critical estimates and assumptions include explicit and implicit price concessions on patient service revenue and patient accounts receivable; revenue recognition; adequacy of allowance for accounts, loans, and contribution receivable; the valuation of assets and liabilities recorded at fair value; valuation of claim based liabilities and conditional asset retirement obligations; useful lives for depreciation and amortization; impairment of intangible assets; incremental borrowing rate used in determining the present value of lease payments; estimated settlements with third-party payors; state Medicaid audit settlements; and accounting for pension and other postretirement benefits. Actual results could differ materially from these estimates.

Recently Issued Accounting Pronouncements — Recently issued accounting pronouncements that are applicable to Temple's consolidated financial statements are as follows:

Adoption
<i>Credit</i> July 1, 2023 <i>nents</i> Modified- retrospective application is ECL n of ment. the lance

3. Endowment, Investments, and Self-Insurance Trust Funds

The carrying values of investments, including the endowment (see Note 11), at June 30, 2024 and 2023 are as follows:

	Ju	ne 30, 2024	June 30, 2023		
Investments (including endowment):					
Money market funds	\$	47,015	\$	77,546	
Corporate bonds, notes, and other debt securities		403,129		382,002	
U.S. government and agency securities		494,648		457,027	
Municipal bonds		3,160		3,149	
Fixed income funds		125,220		115,543	
Equity funds and securities		1,142,714		1,002,069	
Futures contracts		555		1,561	
Commodity funds		18,040		15,989	
Private equity funds		90,065		76,278	
Real estate funds		91,437		104,031	
Multi-strategy hedge funds		281,739		258,437	
Opportunistic funds		37,686		30,879	
Other		4,266		3,130	
Total investments	\$	2,739,674	\$	2,527,641	

The University utilizes an outsourced chief investment officer for its investment management responsibilities related to the University's endowment, pension plans, and postretirement plan assets. The private equity asset allocation, which has a target allocation of 15% of the endowment assets and 10% of the postretirement plan assets, commenced funding in 2018 and is in process of being executed, resulting in an overweight position in U.S. equities at June 30, 2024 and 2023.

The carrying values of self-insurance trust funds at June 30, 2024 and 2023 are as follows:

	June	e 30, 2024	June 30, 2023		
Self-insurance trust funds:					
Money market funds	\$	1,818	\$	1,602	
Corporate bonds and notes		142			
U.S. government securities		11,120		11,655	
Total self-insurance trust funds	\$	13,080	\$	13,257	

Investment return reported in the statements of activities for the years ended June 30, 2024 and 2023 is as follows:

	Year Ended June 30,				
	2024		2023		
Investment income:					
Interest and dividends	\$ 81,988	\$	66,438		
Realized gains, net	41,517		44,220		
Change in unrealized gains (losses), net	136,979		46,298		
Total investment income (loss)	\$ 260,484	\$	156,956		

Derivatives:

Futures Contracts — A futures contract is a contractual agreement to make or take delivery of a standardized quantity of a type of commodity or financial instrument at a specified future date in accordance with the terms specified by a regulated futures exchange. The University uses equity index futures contracts to manage equity price risk. Losses in value may arise from changes in the value of the underlying instrument or if there is an illiquid secondary market for the futures contracts.

Upon entering into a futures contract, the University is required to deposit either cash or securities in an amount equal to a certain percentage of the nominal value of the contract ("initial margin"). Pursuant to the futures contract, the University agrees to receive from, or pay to, the broker an amount of cash equal to the daily fluctuation in the value of the futures contracts. Such receipts or payments are known as "variation margin" which are settled daily. Any variation margin unsettled at period-end is recorded as an unrealized gain (loss) in *Investment return* in *Other changes in net assets* in the statements of activities. The University recognizes a realized gain or loss when the contract is closed. Futures contracts expose the University to off-balance sheet market and liquidity risk. The University is exposed to market risk to the extent that adverse changes occur in the fair values of the underlying securities or indices. This market risk is in excess of the university might not be able to rapidly adjust the size of its futures position in times of high volatility and financial stress at a reasonable price.

The University has credit risk associated with counterparty nonperformance. However, credit risk associated with exchange-traded contracts are typically perceived to be less because exchanges typically provide clearing house arrangements in which the collective credit of the managers of the exchange is pledged to support the financial integrity of the exchange. Margins, which may be subject to loss in the event of a default, are generally required in exchange trading and further mitigate credit risk. All of the futures contracts held by the University at June 30, 2024 and 2023 were exchange traded contracts.

At June 30, 2024 and 2023, the University had the following open futures subject to equity price risk, for which U.S. Treasury notes were pledged as collateral (see Note 14):

June 30, 2024	Number of Contracts	 Notional Amount		iation Margin realized Gain
Equity price futures contracts, not designated as hedging instruments, included in:				
Endowment	582	\$ 82,663	\$	555
Postretirement benefits plan assets	161	20,131		112
Pension plans assets	50	6,057		39
			Vor	iation Margin

June 30, 2023	Number of Contracts	Notional Amount	v	Unrealized Gain (Loss)
Equity price futures contracts, not designated as hedging instruments, included in:				
Endowment	639	\$ 94,265	\$	1,561
Postretirement benefits plan assets	113	14,758		209
Pension plans assets	48	5,421		(13)

4. Accounts, Loans, and Contributions Receivable

Accounts receivable, net of allowances are as follows:

	Jur	ne 30, 2024	Jun	ne 30, 2023
Students	\$	48,717	\$	48,749
Patients		314,734		334,761
Health care programs		142,788		71,480
Grants and contracts		82,152		82,380
Commonwealth construction		47,294		5,968
Recoveries from insurance providers		72,322		98,409
Other		88,092		48,672
Accounts receivable, gross		796,099		690,419
Less: Allowance for doubtful patient accounts		(720)		(1,248)
Less: Allowance for doubtful students, grants, contracts, and other				
accounts		(23,918)		(29,067)
Total accounts receivable, net	\$	771,461	\$	660,104

Loans to students are disbursed based on financial need and consist of loans granted by the University under federal government loan programs and loans granted from institutional resources. Upon the earlier of graduation or no longer having full-time student status, the students have a grace period, which varies by loan type, until repayment of loans is required.

The availability of funds for loans under federal government revolving loan programs is dependent on reimbursements to the pool from repayments on outstanding loans. At June 30, 2024 and 2023, funds advanced by the federal government totaled \$30,578 and \$30,707, respectively. Interest and fees collected are included in the revolving loan funds available for students. Federal loan funds are ultimately refundable to the government and are classified as liabilities in the consolidated balance sheets. Outstanding loans canceled under the program result in a reduction of the funds available for loan and a decrease in the liability to the government.

Loans to students are shown net of allowances as follows:

	Jun	e 30, 2024	Jun	e 30, 2023
Federal government loan programs:				
Perkins loan program*	\$	8,511	\$	11,566
Health professional and disadvantaged student loans		23,345		24,422
Nursing student loans		423		251
Federal government loan programs		32,279		36,239
Institutional loan programs		661		824
Student loans receivable, gross		32,940		37,063
Less: Allowance for doubtful federal government loan programs		(6,623)		(7,419)
Less: Allowance for doubtful institutional loan programs		(292)		(288)
Total student loans receivable, net	\$	26,025	\$	29,356

* On September 30, 2017, the Federal Perkins Loan program was not renewed in Congress, thus effectively ending the loan program. Previously loaned funds will continue to be collected, however, no new loans are being originated.

Student loans are considered past due when payment has not been received in over 30 days. Allowances for doubtful accounts are established based on prior collection experience and current economic factors which, in management's judgment, could influence the ability of loan recipients to repay the amounts per the loan terms. Further, the University does not evaluate the credit quality of the student loans receivable after the initial approval and calculation of the loans. Institutional loan balances are written off when they are deemed to be permanently uncollectible.

The aging of student loans receivable is as follows:

	June 30, 2024			June 30, 2023		
30 days or less past due	\$	24,317	\$	27,047		
31 through 89 days past due		777		947		
90 days and greater past due		931		1,362		
Total student loans receivable, net	\$	26,025	\$	29,356		

Contributions receivable are unconditional promises to give, restricted by donors for scholarships, capital acquisitions, and other operating purposes. They are expected to be realized in the following periods:

	June 30, 2024		Jun	e 30, 2023
In one year or less	\$	16,252	\$	9,714
One to five years		25,399		20,186
Greater than five years		40,473		43,470
Contributions receivable, gross		82,124		73,370
Less: Allowance for doubtful contributions		(4,938)		(4,537)
Less: Present value discount		(9,467)		(8,920)
Total contributions receivable, net		67,719		59,913
Less: Current portion of contribution receivable, net		(12,829)		(7,256)
Non-current portion of contribution receivable, net	\$	54,890	\$	52,657

Changes to net contributions receivable during the years ended June 30, 2024 and 2023 are as follows:

	Year Ended June 30,					
	 2024		2023			
Balance, beginning of the year	\$ 59,913	\$	66,253			
New pledges	24,755		6,641			
Collection of pledges	(14,224)		(12,919)			
Pledges written off	(1,777)		(1,774)			
Change in allowance	(401)		420			
Change in discount to present value	 (547)		1,292			
Balance, end of the year	\$ 67,719	\$	59,913			

The discount rates used to calculate the present value discount are tied to U.S. Government treasury notes in effect at the time of contribution. Discount rates for durations between 1 and 30 years were between 4.33% and 5.09% for contributions made during the year ended June 30, 2024, and between 3.81% and 5.40% for contributions made during the year ended June 30, 2023.

Temple also receives bequest intentions and certain other conditional promises to give. These intentions and conditional promises to give are not included in the consolidated financial statements.

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5. Pensions and Postretirement Benefits

Temple sponsors various postretirement programs, which include defined benefit pension plans, retiree health benefits pre-funding plans, referred to below as "postretirement benefits", and defined contribution plans. Participation in these plans is based on prescribed eligibility requirements and certain TUHS employees also participate in the University's defined benefit plan. Effective June 30, 2022, the TUHS sponsored pension plans were merged into a single defined benefit plan; and the single pension plan was subsequently terminated effective June 30, 2023. The pension plan termination is subject to approval by the Pension Benefit Guaranty Corporation and the Internal Revenue Service, and TUHS expects all remaining plan assets and liabilities to be transferred to an insurance company by February 28, 2025.

Temple makes contributions to its defined benefit pension plans that comply with the funding provisions of the Internal Revenue Code. Employees participating in the pension plans are eligible to begin receiving benefit payments upon retirement, provided age and service requirements have been met. In 2001, two of the University's defined benefit pension plans were frozen, with no future accruals. The third pension plan sponsored by the University remains active for two collectively bargained groups of employees. In 2008, the remaining TUHS sponsored defined benefit plans were closed to new participants; only certain grandfathered employees are eligible to participate in the TUHS sponsored defined benefit pension plans.

The postretirement benefits plans are postretirement trusts established for the purpose of providing medical and prescription drug coverage to eligible retirees. Eligible active employees could elect to pre-pay a portion of their future medical costs. Contributions for a period of ten years were required in order to be eligible to retire and receive benefits on or after the age of 62. This plan had a series of sunset dates beginning in 1999 through June 30, 2003. No employees hired or rehired on or after the earlier of their respective sunset date or June 30, 2003 are eligible to participate in the postretirement benefits plan.

Defined contribution retirement plans are offered to all full-time faculty and staff, with the exception of the two collectively bargained groups that participate in the active defined benefit pension plan. Deposits to the defined contribution plans are provided through contributions made by Temple and its employees into participant managed accounts. Temple's contributions to participants' accounts are based on a defined percentage of the participants' elected contributions, base wages, and length of service. Temple's contributions to the defined contributions to the defined contribution plans in 2024 and 2023 were \$88,522 and \$86,066, respectively.

Certain union employees are covered by multi-employer pension plans to which Temple contributes. A contributor to a multi-employer plan is liable, upon termination of the plan or its withdrawal from the plan, for its share of the plan's unfunded vested liabilities. Until either event occurs, Temple's share, if any, of the unfunded vested liabilities cannot be determined. At present, Temple has no plans to withdraw from the multi-employer pension plans. Pension expense for these plans was \$12,430 and \$12,081 in 2024 and 2023, respectively.

		Pens	ion	S		Postretirement Benefits			
		2024		2023		2024		2023	
Change in benefit obligation:									
Benefit obligation, beginning of year	\$	174,936	\$	184,470	\$	294,137	\$	302,723	
Service cost		3,282		2,778		8,878		8,716	
Interest cost		8,738		7,800		15,807		13,496	
Plan participant contributions		173		255		1,113		1,258	
Actuarial (gain) loss		(3,114)		(6,271)		6,042		(15,536	
Benefits paid		(11,465)		(11,562)		(18,164)		(16,520	
Plan expenses		(3,357)		(2,534)					
Settlement		_		_					
Benefit obligation, end of year	\$	169,193	\$	174,936	\$	307,813	\$	294,137	
Change in plan assets:									
Fair value of plan assets, beginning of	¢	1 (2 2 2 1	¢		¢	266.012	.		
year	\$,	\$	175,783	\$	366,912	\$	361,397	
Actual return on plan assets		4,488		1,430		31,028		17,225	
Employer contributions		—				3,900		3,552	
Plan participant contributions		173		255		1,113		1,258	
Benefits paid		(11,465)		(11,562)		(18,164)		(16,520	
Plan expenses		(3,357)		(2,534)					
Fair value of plan assets, end of year	\$	153,211	\$	163,371	\$	384,789	\$	366,912	
Funded status:									
Funded status, end of year	\$	(15,982)	\$	(11,565)	\$	76,976	\$	72,775	
Funded status, end of year	\$	(15,982)	\$	(11,565)	\$	76,976	\$	72	

The activity of the defined benefit pension and postretirement benefit plans for the years ended June 30, 2024 and 2023 is as follows:

The accumulated benefit obligation for the pension plans at June 30, 2024 and 2023 was \$167,937 and \$173,737, respectively.

	Pensions				Postretirement Benefits			
		2024 2023		2024		2023		
The funded status recognized in the balance sheets:								
Assets, non-current	\$	5,593	\$	5,222	\$ 78,853	\$	74,879	
Liabilities, current		(16,664)			(320)		(338)	
Liabilities, non-current		(4,911)		(16,787)	(1,557)		(1,766)	
Net amount recognized, funded status	\$	(15,982)	\$	(11,565)	\$ 76,976	\$	72,775	

	Pensions					Postretirement Benefits			
		2024		2023		2024	2023		
Accumulated amounts recognized in net assets without donor restrictions:									
Unrecognized net loss (gain)	\$	61,402	\$	62,064	\$	(82,361)	\$	(88,353)	
Net amount recognized	\$	61,402	\$	62,064	\$	(82,361)	\$	(88,353)	

	Pensions					Postretirement Benefits				
		2024		2023		2024		2023		
Changes in plan assets and benefit obligations recognized in other changes in net assets:										
Actuarial loss (gain)	\$	830	\$	(876)	\$	(311)	\$	(10,699)		
Amortization of net actuarial (loss) gain		(1,492)		(1,390)		6,303		10,092		
Recognition of settlement loss										
Total recognized in other changes in net assets	\$	(662)	\$	(2,266)	\$	5,992	\$	(607)		

The amortization of any prior service cost and unrecognized net loss is determined using a straight-line amortization of the cost over the average remaining service period of employees expected to receive benefits under the pension plans or the expected average future service to retirement under the postretirement benefit plan.

Temple uses the full yield curve (or spot rate) approach to estimate the service and interest costs related to Temple's pensions and postretirement benefits plans. Such approach estimates service and interest costs by applying specific spot rates along the yield curve to determine the benefit obligation of relevant projected cash outflows (as opposed to applying an average rate). The full yield curve approach (compared to an average rate approach) provides a more precise measurement of service and interest costs by aligning the timing of the plans' liability cash flows to the corresponding spot rate on the yield curve.

	Pensions			Postretirement Benefits			Benefits	
		2024		2023		2024		2023
Components of net periodic cost:								
Operating expenses:								
Service cost	\$	3,282	\$	2,778	\$	8,878	\$	8,716
Other changes in net assets:								
Interest cost		8,738		7,800		15,807		13,496
Expected return on plan assets		(8,433)		(6,825)		(24,673)		(22,063)
Amortization of net actuarial loss (gain)		1,492		1,390		(6,304)		(10,083)
Settlement		—		—				(9)
Net periodic cost (including settlement expense)	\$	5,079	\$	5,143	\$	(6,292)	\$	(9,943)

	Pen	sions	Postretirement Benefits			
	2024	2023	2024	2023		
Weighted-average assumptions used to determine the benefit obligations at end of year:						
Discount rate(s)	5.41%-5.47%	5.12%-5.15%	5.44%	5.14%		
Expected long-term rate of return on plan assets	4.70%-6.30%	4.50%-5.40%	7.30%	6.90%		
Rate of compensation increase	2.50%	2.50%	N/A	N/A		
Assumed health care cost trend rates (pre-65 / post-65):						
Health care cost trend rate assumed for next year	N/A	N/A	7.60% / 8.02%	7.17% / 7.56%		
Rate to which the cost trend rate is assumed to decline (the ultimate trend rate)	N/A	N/A	4.45% / 4.45%	4.45% / 4.44%		
Year that ultimate rate is reached	N/A	N/A	2033 / 2033	2032 / 2032		
		sions		ent Benefits		
	Pen: 2024	sions 2023	Postretirem 2024	ent Benefits 2023		
Weighted-average assumptions used to determine net periodic cost at beginning of year:						
determine net periodic cost at						
determine net periodic cost at beginning of year:	2024	2023	2024	2023		
determine net periodic cost at beginning of year:Discount rate(s) for benefit obligationsDiscount rate(s) for service costDiscount rate(s) for interest cost	2024 5.12%-5.16%	2023 4.72%-4.80%	2024 5.14%	2023 4.76%		
determine net periodic cost at beginning of year:Discount rate(s) for benefit obligationsDiscount rate(s) for service costDiscount rate(s) for interest costExpected long-term rate of return on plan assets	2024 5.12%-5.16% 5.25% 5.15%-5.17% 4.50%-5.40%	2023 4.72%-4.80% 4.96% 4.37%-4.5% 3.60%-3.75%	2024 5.14% 5.26% 5.08% 6.90%	2023 4.76% 4.98% 4.47% 6.25%		
determine net periodic cost at beginning of year:Discount rate(s) for benefit obligationsDiscount rate(s) for service costDiscount rate(s) for interest costExpected long-term rate of return on plan assetsRate of compensation increaseAssumed health care cost trend rates	2024 5.12%-5.16% 5.25% 5.15%-5.17%	2023 4.72%-4.80% 4.96% 4.37%-4.5%	2024 5.14% 5.26% 5.08%	2023 4.76% 4.98% 4.47%		
determine net periodic cost at beginning of year:Discount rate(s) for benefit obligationsDiscount rate(s) for service costDiscount rate(s) for interest costExpected long-term rate of return on plan assetsRate of compensation increaseAssumed health care cost trend rates (pre-65 / post-65):Health care cost trend rate assumed for current year	2024 5.12%-5.16% 5.25% 5.15%-5.17% 4.50%-5.40%	2023 4.72%-4.80% 4.96% 4.37%-4.5% 3.60%-3.75%	2024 5.14% 5.26% 5.08% 6.90%	2023 4.76% 4.98% 4.47% 6.25%		
determine net periodic cost at beginning of year:Discount rate(s) for benefit obligationsDiscount rate(s) for service costDiscount rate(s) for interest costExpected long-term rate of return on plan assetsRate of compensation increaseAssumed health care cost trend rates (pre-65 / post-65):Health care cost trend rate assumed for	2024 5.12%-5.16% 5.25% 5.15%-5.17% 4.50%-5.40% 2.5%	2023 4.72%-4.80% 4.96% 4.37%-4.5% 3.60%-3.75% 2.5%	2024 5.14% 5.26% 5.08% 6.90% N/A	2023 4.76% 4.98% 4.47% 6.25% N/A		

Plan Assets and Expected Return — The long-term investment strategy for assets held in the pension and postretirement benefits plans is to meet present and future benefit obligations to all participants and beneficiaries; cover reasonable expenses incurred to provide such benefits; and provide a total return that maximizes the ratio of assets to liabilities by maximizing investment return at the appropriate level of risk. The expected return on plan assets equals a weighted-average of the individual expected returns for each asset category in the plans' portfolio. The target and actual asset allocation as of June 30, 2024 and 2023 is as follows (see Note 10 for plan asset fair value disclosures):

	F	Pensions			Postretirement Benefits			
	Target*	2024	2023	Target*	2024	2023		
Asset class:								
Equity funds and securities	0%-25%	9%	9%	53%	53%	65%		
Fixed income and cash	75%-100%	91%	91%	47%	47%	35%		

* Target allocation are as of June 30, 2024 and exclude the impact of the portable alpha overlay strategies. At June 30, 2024, The University's pension plans have an asset allocation target of 25% equity and 75% fixed income and the TUHS pension plans have an asset allocation target of 100% fixed income.

Expected Cash Flows — The following table shows expected cash flows of the pension and postretirement benefits plans:

	Pensions	Po	ostretirement Benefits
Expected contributions for next fiscal year:			
Employer	\$ —	\$	320
Employee	N/A		1,100
Estimated future benefit payments reflecting expected future service for fiscal years ending June 30:			
2025	\$ 9,839	\$	18,666
2026	4,240		19,323
2027	4,339		19,983
2028	4,494		20,551
2029	4,694		21,197
2030 through 2034	24,539		108,774

In 2025, additional estimated cash outflows associated with the termination of the TUHS defined benefit pension plan are expected to be \$100,230, and are excluded from the table above.

Other Plans — The actuarial present value of accumulated plan benefits related to a non-active group annuity pension plan has neither been determined nor included above because a guarantee of payment to the plan's beneficiaries has been made by The Equitable Life Assurance Society of America. This plan had total net assets available for benefits of \$708 and \$821 at June 30, 2024 and 2023, respectively.

6. Deposits with Trustees

Temple has on deposit with trustees amounts established for debt repayment. These deposits are primarily invested in U.S. Government securities and money market funds (see Note 9 for a description of debt issuances and Note 10 for fair value disclosures).

	June 30, 2024		Jun	e 30, 2023
Debt Repayment Funds:				
PAID, Second Series of 2016 (University)*	\$	3	\$	2
PAID, First Series of 2015 (University)*		18		14
PHEFA, First Series of 2010B (University)*		1,158		10
THHEFAP, First Series of 2022 (TUHS)		3,727		4,023
THHEFAP, First Series of 2017 (TUHS)		43,831		40,362
Total deposits with trustees	\$	48,737	\$	44,411

The fair values of deposits with trustees by debt issuance at June 30, 2024 and 2023 are as follows:

* June 30, 2024 amount includes a federal subsidy payment received subsequent to the debt service payment and interest earned on deposits. June 30, 2023 amounts represent interest earned on deposits.

7. Property, Plant, and Equipment

Property, plant, and equipment at June 30, 2024 and 2023 is summarized as follows:

	June 30, 2024		Ju	ine 30, 2023
Land and land improvements	\$	143,713	\$	141,408
Buildings and building improvements		2,735,096		2,696,332
Furniture, fixtures, equipment, and library books		1,418,343		1,368,536
Construction in progress		163,098		64,672
Property, plant, and equipment, gross		4,460,250		4,270,948
Less: Accumulated depreciation		(2,534,680)		(2,388,378)
Total property, plant, and equipment, net	\$	1,925,570	\$	1,882,570

Depreciation expense was \$171,485 and \$164,009 in 2024 and 2023, respectively.

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8. Asset Retirement Obligations

Temple has recognized liabilities for conditional asset retirement obligations, primarily related to asbestos remediation in certain University facilities, which are included in *Accrued expenses and other liabilities* in Temple's consolidated balance sheets. Changes to the asset retirement obligation liability during the years ended June 30, 2024 and 2023 are as follows:

	2024	2023
Balance, beginning of the year	\$ 19,828	\$ 19,290
Liabilities incurred	—	88
Accretion expense	721	775
Revision of estimated cash flows	7,891	2,138
Liabilities settled	(507)	(2,443)
Foreign currency translation	(35)	(20)
Balance, end of the year	\$ 27,898	\$ 19,828

During 2024, the University determined that the anticipated costs to abate asbestos in certain facilities has changed and that the current estimated costs are more than the prior estimated amounts. The increase in estimated cash flows of \$7,891 consists of \$(270) in derecognition for razed buildings and \$8,161 in remeasurements.

The fair value at June 30, 2024 and 2023 of \$27,898 and \$19,828, respectively, was calculated using the expected cash flow (expected present value) valuation method with the following Level 3 inputs: years to abatement ranging from 1 to 14 years and 1 to 15 years, respectively, an inflation factor of 2.00% to 4.50% (both years), a credit-adjusted risk free rate of 4.63% to 7.00% (both years), and a contractor market risk premium of 5.00% to 5.70% (both years).

9. Debt and Leases

Long-term debt consists of the following at June 30, 2024 and 2023:

		Interest	Effective Rate	Jun	e 30,
	Maturity	Rate†	2024	2024	2023
Long-term debt:					
University bond issuances:					
Revenue Bonds, First Series of 2020, issued at par	April 1, 2042	0.85%-3.18%	2.55%	\$ 157,065	\$ 164,210
PAID Revenue Bonds, First Series of 2016, including unamortized premium of \$2,552 and \$3,527, respectively	April 1, 2029	5.00%	3.63%	69,727	82,352
PAID Revenue Bonds, Second Series of 2016, including unamortized premium of \$7,899 and \$8,617, respectively	April 1, 2036	5.00%	3.73%	86,009	86,727
PAID Revenue Bonds, First Series of 2015, including unamortized premium of \$8,237 and \$8,861, respectively	April 1, 2045	5.00%	4.11%	111,702	114,191
PHEFA Revenue Bonds, First Series B of 2010, issued at par	April 1, 2040	5.37%-6.29%	4.09%	106,365	111,070
Total University bond issuances				530,868	558,550

		Interest	Effective Rate	June	30,
	Maturity	Rate†	2024	2024	2023
TUHS bond issuances:					
THHEFAP Hospital Revenue Bonds, Series 2022, including unamortized premium of \$21,161 and \$22,608, respectively	July 1, 2041	4.00%-5.00%	3.30%	185,605	187,051
THHEFAP Hospital Revenue Bonds, Series 2017, including unamortized premium of \$13,609 and \$15,832, respectively	July 1, 2034	5.00%	3.70%	205,331	218,129
Total TUHS bond issuances				390,936	405,180
Other long-term debt:					
PENNVEST (Pennsylvania Infrastructure Investment Authority)	May 1, 2039	1.00%-1.29%	1.00%	5,153	5,471
Loans payable (TESS)	Various	0.30%	0.30%	979	1,270
Equipment financing arrangements (TUHS)	December 31, 2024	2.86%		2,320	2,623
Finance leases				11,904	9,017
Deferred financing costs				(7,952)	(8,709)
Total long-term debt, net of deferred financing costs				934,208	973,402
Less: Current maturities of long-term debt				(46,341)	(42,483)
Non-current maturities of long-term debt, net of deferred financing costs				\$ 887,867	\$ 930,919

† Stated interest rate remaining through maturity. All bonds have an interest rate mode of fixed.

University Bond Issuances:

Revenue Bonds, First Series of 2020 — On June 25, 2020, the University issued \$176,690 of Temple University Federally Taxable Revenue Bonds, First Series of 2020 ("First Series of 2020 Bonds") with stated interest rates ranging from 0.80% to 3.18%. The proceeds from the sale of the First Series of 2020 Bonds, together with other available funds, were used for the following items: (i) advance refund, on a taxable basis, a portion of the Pennsylvania Higher Educational Facilities Authority ("PHEFA") Temple University First Series of 2012 previously issued on behalf of the University and (ii) paying costs of issuing the First Series of 2020 Bonds. The First Series of 2020 Bonds require annual principal payments of varying amounts beginning April 1, 2021 and ending on April 1, 2042. The First Series of 2020 Bonds are subject to redemption prior to their stated maturities at the option of the University, in whole or in part, on any date at the make-whole redemption price. The make-whole redemption price is the greater of (i) 100% of the principal amount of the bonds to be redeemed and (ii) the sum of the present values of the remaining scheduled payments of principal and interest to the maturity date of the bonds to be redeemed. The First Series of 2020 Bonds are secured by a pledge of gross revenues of the University, excluding all revenues of TUHS. Interest expense on the First Series of 2020 Bonds during the years ended June 30, 2024 and 2023 was \$4,112 and \$4,181, respectively.

PAID Revenue Bonds, First Series of 2016 — In fiscal 2016, the University, via the Philadelphia Authority for Industrial Development ("PAID") issued \$134,080 of PAID Temple University Revenue Bonds, First Series of 2016 ("First Series of 2016 Bonds") with a stated interest rate of 5.00%. The proceeds from the sale of the First Series of 2016 Bonds, together with other available funds, were used for the following items: (i) capital projects of the University, (ii) refunding a portion of the PHEFA Temple University Revenue Bonds,

First Series of 2006, and (iii) paying costs of issuing the First Series of 2016 Bonds. The First Series of 2016 Bonds require annual principal payments of varying amounts beginning April 1, 2016 and ending on April 1, 2029, with a first option call date of April 1, 2025. The First Series of 2016 Bonds are secured by a pledge of gross revenues of the University, excluding all revenues of TUHS. Interest expense on the First Series of 2016 Bonds during the years ended June 30, 2024 and 2023 was \$2,868 and \$3,309, respectively.

PAID Revenue Bonds, Second Series of 2016 — In fiscal 2016, the University, via PAID issued \$78,110 of PAID Temple University Revenue Bonds, Second Series of 2016 ("Second Series of 2016 Bonds") with a stated interest rate of 5.00%. The proceeds from the sale of the Second Series of 2016 Bonds, together with other available funds, were used for the following items: (i) refunding the outstanding portion of PHEFA's Temple University Revenue Bonds, First Series of 2006, and (ii) paying costs of issuing the Second Series of 2016 Bonds. The Second Series of 2016 Bonds require principal payments of varying amounts beginning April 1, 2030 and ending on April 1, 2036, with a first option call date of April 1, 2025. The Second Series of 2016 Bonds are secured by a pledge of gross revenues of the University, excluding all revenues of TUHS. Interest expense on the Second Series of 2016 Bonds during the years ended June 30, 2024 and 2023 was \$3,210 and \$3,237, respectively.

PAID Revenue Bonds, First Series of 2015 — In fiscal 2016, the University, via PAID issued \$130,440 of PAID Temple University Revenue Bonds, First Series of 2015 ("First Series of 2015 Bonds") with stated interest rates ranging from 2.00% to 5.00%. The proceeds from the sale of the First Series of 2015 Bonds, together with other available funds, were used for the following items: (i) capital projects of the University, (ii) refunding a portion of PHEFA's Temple University Revenue Bonds, First Series of 2006, and (iii) paying costs of issuing the First Series of 2015 Bonds. The First Series of 2015 Bonds require annual principal payments of varying amounts beginning April 1, 2016 and ending on April 1, 2045, with a first option call date of April 1, 2025. The First Series of 2015 Bonds are secured by a pledge of gross revenues of the University, excluding all revenues of TUHS. Interest expense on the First Series of 2015 Bonds during the years ended June 30, 2024 and 2023 was \$4,627 and \$4,727, respectively.

PHEFA Revenue Bonds, First Series B of 2010 — In fiscal 2010, the University, via PHEFA issued \$143,590 of PHEFA Temple University Revenue Bonds, Federally Taxable Build America Bonds, First Series B of 2010 ("First Series B of 2010 Bonds") with stated interest rates ranging from 4.21% to 6.29%. The proceeds from the sale of the First Series B of 2010 Bonds, together with other available funds, were used for the following items: (i) capital projects of the University and (ii) paying costs of issuing the First Series B of 2010 Bonds require annual principal payments of varying amounts beginning April 1, 2016 and ending on April 1, 2040, with an optional redemption at any time upon payment of the redemption price. The First Series A of 2010 Bonds are secured by a pledge of gross revenues of the University, excluding all revenues of TUHS. Interest expense on the First Series B of 2010 Bonds during the years ended June 30, 2024 and 2023 was \$4,571 and \$4,759, respectively.

TUHS Bond Issuances:

THHEFAP Hospital Revenue Bonds, Series 2022 — In fiscal 2022, TUHS, via the Hospitals and Higher Education Facilities Authority of Philadelphia ("THHEFAP") issued \$165,890 of THHEFAP Hospital

Revenue Bonds, Series 2020. The proceeds of the Bonds were used to defease the Authority's outstanding Revenue Bond Series A of 2012, which is recorded as a non-operating loss in other income.

THHEFAP Hospital Revenue Bonds, Series 2017 — In fiscal 2018, TUHS, via THHEFAP issued \$235,240 of THHEFAP Hospital Revenue Bonds, Series 2017. The proceeds of the Bonds were used to defease the Authority's outstanding Revenue Bond Series A and B of 2007 and Revenue Bond Series B of 2012.

The TUHS bond issuances are generally collateralized by the assets and gross revenues of the TUHS Obligated Group. The TUHS Obligated Group includes TUHS, Temple University Hospital, Inc., Temple Physicians, Inc., Temple Health System Transport Team, Inc., American Oncologic Hospital, Institute for Cancer Research, Fox Chase Cancer Center Medical Group, Inc., and Fox Chase Network, Inc.

Interest expense on TUHS long-term debt during the years ended June 30, 2024 and 2023 was \$18,059 and \$17,129, respectively.

Temple has complied with all financial debt covenants during the years ended June 30, 2024 and 2023.

Other Long-term Debt:

PENNVEST Debt Obligation — In June 2017, the University and the Pennsylvania Infrastructure Investment Authority ("PENNVEST") entered into an agreement for PENNVEST to provide financing totaling \$6,748 for the construction of certain storm water improvements, including a green roof assembly and green roof landscaping on the University's library. Construction commenced in fiscal 2018 and the library project was completed and placed into service in the first quarter of fiscal year 2021. During the year ended June 30, 2020 and 2019, the University borrowed \$1,644 and \$5,104, respectively, against the obligation. The stated interest rate is 1.00% for years 1 through 5 and 1.29% for years 6 through maturity (May 1, 2039). Interest expense during the years ended June 30, 2024 and 2023 was \$54 and \$56, respectively.

Loans Payable (TESS) — In September 2019, TESS obtained two unsecured bank loans totaling \$2,792. The bank loans were in equal amounts of \$1,396 from Mizuho Bank, Ltd. (the "Mizuho Loan") and Sumitomo Mitsui Banking Corporation (the "SMBC Loan"). Proceeds from the bank loans were used to fund TESS` campus relocation in Tokyo, Japan. The Mizuho Loan matures in June 2029 and the SMBC Loan matures in September 2029; and both Loans accrue interest at 0.3 %. Interest expense on the two bank loans during the years ended June 30, 2024 and 2023 was \$3 and \$4, respectively.

Lines of Credit — TUHS has a \$100,000 line of credit (the "TUHS JPM Line of Credit") with JPMorgan Chase Bank, N.A. ("JPM") that expires in November 2024. Amounts borrowed accrue interest at the secured overnight financing rate ("SOFR") plus 95 basis points. During 2024, TUHS borrowed \$65,000 against the TUHS JPM line of Credit and had outstanding borrowings of \$12,000 at June 30, 2024. No amount was borrowed or outstanding at any time during 2023. Interest expense on the TUHS JPM Line of Credit (related to drawn and undrawn capacity) during the years ended June 30, 2024 and 2023 was \$2,013 and \$1,149, respectively.

During 2024 and 2023, the University had a \$50,000 revolving line of credit with an accordion feature permitting certain increases to the revolving commitment up to an additional maximum principal amount of \$50,000 (the "JPM Line of Credit") and a \$7,500 unsecured line of credit (the "JPM Unsecured Line of Credit") from JPMorgan Chase Bank, N.A. ("JPM"). In April 2024, the JPM Line of Credit and JPM Unsecured Line of Credit were renewed (amounts unchanged) with a maturity date of April 25, 2025. Through April 25, 2024, amounts borrowed against the JPM Line of Credit accrued interest at SOFR plus 60 basis points; with an unused fee of 10 basis points. Effective April 26, 2024 through April 25, 2025, amounts

borrowed against the JPM Line of Credit accrue interest at SOFR plus 60 basis points; with an unused fee of 15 basis points. Amounts pledged against the JPM Unsecured Line of Credit accrue interest at 60 basis points, with no unused fee. The JPM Line of Credit is secured by a subordinated gross revenue pledge of the University and is cross-defaulted to the University's covenants in the various bond documents. The JPM Line of Credit can be used to fund seasonal working capital requirements, fund capital expenditure bridge financing, and fund general corporate purposes. During the years ended June 30, 2024 and 2023, no amount under the JPM Line of Credit or JPM Unsecured Line of Credit was outstanding, drawn, or pledged as collateral. Interest expense on the JPM Line of Credit (related to undrawn capacity) during the years ended June 30, 2024 and 2023 was \$52 and \$34, respectively.

Interest — Total interest expense incurred, net of capitalized interest, was \$37,561 and \$37,438 for the years ended June 30, 2024 and 2023, respectively. Temple capitalizes interest cost on qualifying assets. There was no capitalized interest at June 30, 2024 or 2023.

Fair Value and Maturity — As of June 30, 2024 and 2023, the fair value of Temple's bond issuances (excluding net unamortized premium of \$49,904 and \$55,775, respectively, deferred financing costs of \$7,952 and \$8,709, respectively, and accrued interest of \$14,316 and \$14,837, respectively) with a principal value of \$871,900 and \$907,955, respectively, was approximately \$866,344 and \$902,848, respectively. The fair value was determined based upon discounted cash flows at current market rates for instruments with similar remaining terms. Temple considers these valuation inputs to be Level 2 inputs in the fair value hierarchy (see Note 10). The market prices utilized reflect the rate that Temple would have to pay to a credit-worthy third-party to assume its obligation and do not reflect an additional liability to Temple.

2025	\$ 42,618
2026	 42,765
2027	44,475
2028	45,259
2029	47,148
Thereafter	658,087
Total principal payments	880,352
Deferred financing costs	 (7,952)
Unamortized premium and discount, net	49,904
Finance leases	 11,904
Total long-term debt, net of deferred financing costs	\$ 934,208

Long-term debt matures in varying amounts through 2045. The aggregate amounts of principal payments are as follows:

Leases:

Temple reports its leases in accordance with FASB ASC 842 – *Leases*, which defines a lease as a contract, or part of a contract, that conveys the right to control the use of identified property, plant, or equipment (the underlying asset) for a period of time in exchange for consideration. Both finance leases and operating leases create a right-of-use asset and a liability measured at the present value of the lease payments, with the corresponding right-of-use asset being adjusted for any prepaid (accrued) rent, lease incentives, and initial direct costs.

Temple leases certain facilities and equipment with initial terms in excess of one year. Leases with an initial term of 12-months or less are not recorded on the consolidated balance sheet; Temple recognizes lease

expense for these leases on a straight-line basis over the lease term. The useful life of assets and leasehold improvements are limited by the expected lease term, unless there is a transfer of title or purchase/renewal option that is reasonably certain of exercise. There are no material restrictions or covenants imposed by Temple's leases. See Note 2 for a summary of Temple's lease accounting policy.

The right-of-use assets and lease liabilities under Temple's finance and operating leases as of June 30, 2024 and 2023 are as follows:

		June 3	0, 20	024	June 30, 2023					
Leases	Fina	ince Leases		Operating Leases	0			Operating Leases		
Assets:										
Right-of-use assets	\$	22,308	\$	134,701	\$	21,329	\$	124,876		
Accumulated amortization on finance leases and periodic reduction of ROU assets on operating leases		(10,394)		(47,255)		(12,174)		(37,569)		
Right-of-use assets, net	\$	11,914	\$	87,446	\$	9,155	\$	87,307		
Balance sheet classification (non-current)		PP&E		Operating lease right-of-use assets		PP&E		perating lease right-of-use assets		
Liabilities:										
Current portion of lease liability, balance	\$	3,262	\$	13,125	\$	2,758	\$	12,244		
Non-current portion of lease liability, balance		8,642		76,388		6,259		77,316		
Lease liabilities	\$	11,904	\$	89,513	\$	9,017	\$	89,560		
Current portion of lease liabilities, classification	Lon	Long-term debt, current		P and accrued expenses	Long-term debt, current		AP and accrued expenses			
Non-current portion of lease liabilities, classification				•		perating lease liabilities	Long-term debt, non-current		Operating leases liabilities	

A summary of the components of lease expense for the year ended June 30, 2024 and 2023 is as follows:

	Natural Expense Type	 2024	 2023
Operating lease cost:			
Fixed rent expense	Operating expenses	\$ 15,246	\$ 14,446
Finance lease cost:			
Amortization of ROU assets	Depreciation	3,499	2,545
Interest expense (on lease liability)	Interest	489	235
Short-term lease cost	Operating expenses	9,930	8,981
Variable lease cost	Operating expenses	4,126	4,015
Total lease cost		\$ 33,290	\$ 30,222

A maturity analysis of the future lease payments under finance and operating leases (with initial terms excess of one year) at June 30, 2024 is as follows:

Maturity of Lease Liabilities	Finance Leases	Operating Leases			
2025	\$ 3,694	\$ 14,590			
2026	3,397	12,712			
2027	2,573	12,104			
2028	2,025	8,694			
2029	1,068	6,050			
Thereafter	195	45,292			
Obligation, gross	12,952	99,442			
Liability accretion	(1,048)	(9,929)			
Total obligation, net of liability accretion	\$ 11,904	\$ 89,513			

Supplemental lease information as of June 30, 2024 and 2023 is as follows:

	June 30	, 2024	June 30, 2023				
Lease-Term and Discount Rates	Finance Leases	Operating Leases	Finance Leases	Operating Leases			
Weighted average remaining lease-term (years)	4.23	14.36	3.99	12.36			
Weighted average discount rates	4.20 %	1.83 %	3.77 %	1.72 %			

		June 3	60, 2	024	June 30, 2023				
Supplemental Cash Flow Information	Finance Leases			Operating Leases	Fina	ance Leases		Operating Leases	
Cash paid for amounts included in the measurement of lease liabilities:									
Operating cash flows [§]	\$	489	\$	14,951	\$	235	\$	13,248	
Financing cash flows from finance leases [†]		3,625		N/A		3,016		N/A	
Right-of-use assets obtained in exchange for new and modified finance and operating lease liabilities [¢]		6,512		15,983		4,944		7,387	

§ Payments arising from operating leases and the interest portion of finance leases are presented within operating activities in the consolidated statements of cash flows.

† Principal payments of lease liabilities arising from finance leases are included in Repayment of long-term debt and principal payments on finance leases in the financing section of the consolidated statements of cash flows.

¢ 2024 balance includes new and modified operating leases for facilities in Japan and Rome (see below).

As most of Temple's leases do not provide an implicit rate, the incremental borrowing rate, which is based on information available at the lease commencement date, is used to determine the present value of future lease payments. Temple's incremental borrowing rate applicable to the lease, is determined by estimating what it would cost Temple to borrow a collateralized amount equal to the total lease payments over the lease term based on the contractual terms of the lease and the location of the leased asset. The incremental borrowing rate on July 1, 2020 is used for operating leases that commenced prior to July 1, 2020 (the effective date of ASC 842).

Temple Japan — The University's Japan Campus leases facilities space with a lease term of 20 years (terminating on July 31, 2039). After the first ten years from commencement, the University may terminate the agreement, provided a three years notice is given to the lessor. At this time, the University has no intent to terminate the lease prior to July 31, 2039. At June 30, 2024 and 2023, the present value of lease payments related to this operating lease totaled \$33,197 and \$28,406, respectively.

On June 1, 2024, the University's Japan Campus entered into an operating lease for additional facilities with a lease term of 20 years (terminating on May 31, 2044). After the initial ten years from commencement, the University may terminate the agreement, provided a 13 month notice and a payment of 13 months rent within six months of the notice being provided to the lessor. At this time, the University has no intent to terminate the lease prior to May 31, 2044. At June 30, 2024 the present value of lease payments related to this operating lease totaled \$6,623.

Temple Rome — Effective June 30, 2024, the University's Rome Campus terminated the remaining term on its operating lease for is primary facilities space. At June 30, 2024 and 2023, the present value of lease payments related to this operating lease totaled \$0 and \$4,565, respectively.

In September 2023, The University's Rome Campus entered into an operating lease for primary facilities space with a lease term of 12 years (terminating on August 31, 2035). The University may terminate the lease, at any time, provided a 12-month notice is given to the lessor. At this time, the University has no intent to terminate the lease prior to August 31, 2035. At June 30, 2024, the present value of lease payments related to this operating lease totaled \$10,346.

Temple University Center City — The University leases facilities space in Center-City Philadelphia, for its Temple University Center City ("TUCC") Campus. During 2022, the TUCC lease was renewed through 2027 and includes two separate three-year extension options, at the discretion of the University, that extend the lease through June 30, 2033. At June 30, 2024 and 2023, the present value of lease payments related to this operating lease totaled \$9,570 and \$13,925, respectively.

Related Party Lease Transactions — The University enters into various lease arrangements with TUHS, primarily for the use of facilities. During 2024 and 2023, lease payments to TUHS totaled \$57 and \$68, respectively, and lease payments collected from TUHS totaled \$1,086 and \$1,151, respectively.

TUHS has certain consumable agreements in which a vendor provides certain equipment at no additional cost in exchange for a commitment to purchase a minimum quantity of consumable products. These agreements are considered embedded finance leases. At June 30, 2024 and 2023, ROU assets related to these agreements totaled \$220 and \$1,529, respectively, (included in *Property, plant, and equipment, net)*, and lease liabilities totaled \$231 and \$1,585, respectively, (\$231 and \$1,354, respectively, included in *Accounts payable and accrued expenses, current* and \$0 and \$231, respectively, included in *Accrued expenses and other liabilities, non-current*). During the years ended June 30, 2024 and 2023, amortization of the leased assets totaled \$1,309 and \$1,998, respectively, interest on the lease liabilities totaled \$20 and \$66, respectively. During the year ended June 30, 2024, operating cash flows totaled \$20 and financing cash flows totaled \$1,354. Future lease payments under these agreements are expected to be \$232 for the year ended June 30, 2025, with \$1,000 representing interest and \$231,000 representing principal, and \$0 thereafter.

10. Fair Value Measurements

Temple applies the provisions of FASB ASC 820, *Fair Value Measurement*, for fair value measurements of financial assets and financial liabilities and for fair value measurements of nonfinancial items that are recognized or disclosed at fair value in the consolidated financial statements. ASC 820 defines fair value as 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. ASC 820 also establishes a framework for measuring fair value and expands disclosures about fair value measurements.

A financial asset or liability classification is determined based on the lowest level input that is significant to the fair value measurement. The fair value hierarchy consists of the following three levels:

Level 1 — Quoted prices (unadjusted) in active markets for identical assets or liabilities that Temple can access at the measurement date. Active markets are those in which transactions for the asset or liability occur with sufficient frequency and volume to provide pricing information on an ongoing basis. Level 1 assets primarily consist of money market funds, U.S. treasury securities, equity securities, exchange traded futures contracts, and equity and fixed income mutual funds.

Level 2 — Inputs other than quoted prices included within Level 1 that are observable for the asset or liability, either directly or indirectly through market corroboration, for substantially the full term of the financial instrument. Level 2 assets primarily consist of corporate bonds and notes, U.S. government agency securities, municipal bonds, and certain equity and fixed income funds.

Level 3 — Unobservable inputs based on management's own assumptions used to measure assets and liabilities at fair value or assets that management does not have the ability to redeem. Level 3 inputs include values determined using pricing models, discounted cash flow methodologies, or similar techniques reflecting Temple's own assumptions. Level 3 assets consist of perpetual trusts administered by third parties for which Temple does not have the ability to manage or redeem.

Investments for which fair value is measured using the net asset value per share practical expedient are not included within the fair value hierarchy.

June 30, 2024	Level 1	Level 2			Level 3		Total	
Investments (including endowment):								
Money market funds	\$ 46,053	\$	962	\$		\$	47,015	
Corporate bonds, notes, and other debt								
securities	—		403,129				403,129	
U.S. government and agency securities	392,527		102,121				494,648	
Municipal bonds			3,160				3,160	
Fixed income funds	79,747						79,747	
Equity funds and securities	802,782						802,782	
Futures contracts [§]	555						555	
Real estate funds			324				324	
Other	 		92				92	
Total investments in fair value hierarchy	\$ 1,321,664	\$	509,788	\$			1,831,452	
Investments measured at NAV							904,048	
Investments carried at equity							4,174	
Total investments						\$	2,739,674	
Self-insurance trust funds:								
Money market funds	\$ 1,818	\$		\$		\$	1,818	
U.S. government securities	11,120		—				11,120	
Total self-insurance trust funds	\$ 13,080	\$		\$		\$	13,080	
Deposits with trustees:								
Money market funds	\$ 28,883	\$		\$		\$	28,883	
U.S. government securities	10,900		8,954				19,854	
Total deposits with trustees	\$ 39,783	\$	8,954	\$	_	\$	48,737	
Funds held in trust by others:								
Funds held in trust by others	\$ 	\$		\$	81,801	\$	81,801	
Beneficial interest in assets held by Episcopal Foundation			_		31,500		31,500	
Beneficial interest in the Fox Chase Cancer Center Foundation	_		_		58,185		58,185	
Total funds held in trust by others	\$ 	\$		\$	171,486	\$	171,486	

The following tables provide the financial assets and liabilities carried at fair value measured on a recurring basis as of June 30, 2024 and 2023:

§ Futures contracts are valued at the net unrealized appreciation (depreciation) on the instrument (see Note 3).

June 30, 2024	Level 1	Level 2			Level 3		Total
Pension plans:							
Money market funds	\$ 7,480	\$		\$		\$	7,480
Corporate bonds and notes			89,333				89,333
U.S. government and agency securities	29,253		1,018				30,271
Municipal bonds	_		2,224				2,224
Collateralized mortgage obligations			7,135				7,135
Equity funds	185						185
Total pension plans in fair value hierarchy	\$ 36,918	\$	99,710	\$			136,628
Pension plans measured at NAV							16,583
Total pension plans						\$	153,211
Postretirement plans:							
Money market funds	\$ 13,250	\$		\$		\$	13,250
U.S. government securities	116,367						116,367
Total postretirement plans in fair value							
hierarchy	\$ 129,617	\$		\$			129,617
Postretirement plans measured at NAV							255,172
Total postretirement plans						\$	384,789

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June 30, 2023		Level 1		Level 2	Level 3		Total	
Investments (including endowment):								
Money market funds	\$	76,595	\$	951	\$	_	\$	77,546
Corporate bonds, notes, and other debt								
securities		—		382,002				382,002
U.S. government and agency securities		364,190		92,837				457,027
Municipal bonds		—		3,149				3,149
Fixed income funds		74,511						74,511
Equity funds and securities		711,632						711,632
Futures contracts [§]		1,561						1,561
Real estate funds				320				320
Other				40				40
Total investments in fair value hierarchy	\$	1,228,489	\$	479,299	\$	—		1,707,788
Investments measured at NAV								816,763
Investments carried at equity								3,090
Total investments							\$	2,527,641
Self-insurance trust funds:								
Money market funds	\$	1,602	\$		\$		\$	1,602
U.S. government securities		11,655						11,655
Total self-insurance trust funds	\$	13,257	\$		\$		\$	13,257
Deposits with trustees:								
Money market funds	\$	25,558	\$		\$	—	\$	25,558
U.S. government securities		5,443		13,410				18,853
Total deposits with trustees	\$	31,001	\$	13,410	\$		\$	44,411
					-			
Funds held in trust by others:								
Funds held in trust by others	\$	—	\$		\$	76,604	\$	76,604
Beneficial interest in assets held by								
Episcopal Foundation		_		_		29,621		29,621
Beneficial interest in the Fox Chase						50 700		52 720
Cancer Center Foundation	¢		¢		¢	52,729	¢	52,729
Total funds held in trust by others	\$		\$		\$	158,954	\$	158,954

§ Futures contracts are valued at the net unrealized appreciation (depreciation) on the instrument (see Note 3).

June 30, 2023	Level 1			Level 2 Level 3			Total		
Pension plans:									
Money market funds	\$	31,996	\$		\$		\$ 31,996		
Corporate bonds and notes		—		20,207			20,207		
U.S. government and agency securities		22,395		563		—	22,958		
Municipal bonds		—		1,193			1,193		
Collateralized mortgage obligations		—		1,059		—	1,059		
Equity funds		167					 167		
Total pension plans in fair value hierarchy	\$	54,558	\$	23,022	\$		77,580		
Pension plans measured at NAV					-		 85,791		
Total pension plans							\$ 163,371		
Postretirement plans:									
Money market funds	\$	14,394	\$		\$		\$ 14,394		
U.S. government securities		75,767					 75,767		
Total postretirement plans in fair value									
	\$	90,161	\$		\$		90,161		
Postretirement plans measured at NAV							 276,751		
Total postretirement plans							\$ 366,912		

Temple assesses the valuation hierarchy for each asset or liability measured on an annual basis. From time to time, assets or liabilities will be transferred within the fair value hierarchy as a result of changes in, among other things, inputs used, liquidity, or valuation methodologies.

Except for \$0 and \$135 of additional funds held in trusts by obtained during 2024 and 2023, respectively, which are classified as Level 3 assets, during the years ended June 30, 2024 and 2023, there were no transfers into or out of Level 3, nor were there any purchases or sales of Level 3 assets.

Information for investments whose fair value is estimated using its net asset value ("NAV") practical expedient (or its equivalent) at June 30, 2024 and 2023 is as follows:

		Fai	r Values	Redemption			
June 30, 2024	 estments / dowment	Р	ensions	r	Post- etirement	Frequency	Notice Period
Commodity funds	\$ 18,040	\$	_	\$	_	Daily	2 days
Multi-strategy hedge funds	281,739		6,869		75,671	Quarterly- Annual	45-90 days
Private equity	90,065				35,951	Illiquid	N/A
Real estate funds	91,113				11,141	Quarterly	45-90 days^
Fixed income funds	45,473		2,728		51,680	Monthly- Semi-annually	15-90 days
Equity funds	339,932		6,986		62,776	Daily- Quarterly	1-90 days
Opportunistic funds	 37,686		_		17,953	Quarterly- Illiquid	60 days - N/ A
Total value	\$ 904,048	\$	16,583	\$	255,172		

		Fai	r Values			Reden	nption
June 30, 2023	 Investments / Endowment Pensions		ensions	Post- retirement		Frequency	Notice Period
Commodity funds	\$ 15,989	\$	_	\$	7,322	Daily	2 days
Multi-strategy hedge funds	258,437		6,959		73,544	Quarterly- Annual	45-90 days
Private equity	76,278		_		30,832	Illiquid	N/A
Real estate funds	103,711				13,979	Quarterly	45-90 days^
Fixed income funds	41,032		71,015		37,004	Daily- Quarterly	2-90 days
Equity funds	290,437		7,817		98,814	Daily- Monthly	1-90 days
Opportunistic funds	30,879		_		15,256	Quarterly- Illiquid	60 days- N/A
Total value	\$ 816,763	\$	85,791	\$	276,751		

^ Subject to fund liquidity.

Unfunded commitments at June 30, 2024 and 2023 are as follows:

		J	une	30, 2024			J			
	Endowment		re	Post- tirement	Total	Endowment		re	Post- tirement	Total
Private equity	\$	102,859	\$	33,266	\$ 136,125	\$	\$ 90,602		31,863	\$ 122,465
Real estate funds				—			51		2,648	2,699
Opportunistic funds		8,072		3,981	12,053		10,197		5,014	15,211
Unfunded commitments		114,187		37,247	151,434		100,850		39,525	140,375

Commodity funds include investments in both long and short commodity derivatives in a unitized fund structure.

Multi-strategy hedge funds include hedge fund-of-funds that invest in the commingled funds of hedge fund managers. Funds are allowed to take both long and short positions, use leverage and derivatives, and invest in many markets. Hedge funds may make equity, credit/fixed income, rate, and currency investments. Strategies employed may include long/short, event-driven, arbitrage, and macro.

Private equity investments include private partnerships, funds and/or other special purpose vehicles that invest in a range of strategies including, venture capital, growth equity, leveraged buyouts, credit-oriented opportunities, mezzanine and distressed debt, and special situations. Investments fund "start-up" companies or the buyout of existing companies or divisions within a company. Investments include domestic or international and encompass private and public securities. These funds can never be redeemed and these investments typically require capital lock-ups of 10 years or more.

Real estate funds include investments in public or private partnerships, funds and/or special purpose vehicles that make private real estate investments located within or outside the United States. Major sectors within this space include apartments, office properties, regional properties, industrial properties, and hotels, but may include land, medical facilities, self-storage and other real property investments. Investments may include

equity, debt, or both and may encompass "core", "value-added", or "opportunistic" opportunities. Investments are typically structured as partnerships.

Fixed income funds include investments made in commingled funds or fund-of-funds that invest in sovereign and government debt securities, corporate debt securities, U.S. Treasury Inflation-Protected securities. These funds generally seek long-term capital appreciation and provide a hedge against inflation.

Equity funds include investments made in commingled funds or fund-of-funds that invest in U.S., international, and global equity securities through a variety of active strategies. The funds generally seek long-term capital appreciation.

Opportunistic funds include investments with attractive risk/return characteristics based on a particular market environment. These investments include strategies such as private credit, distressed debt, and direct lending.

11. Endowment Funds

Temple's endowment consists of a portfolio of actively managed individual funds established for a variety of purposes, including providing a funding source for (i) operations; (ii) scholarships and awards; (iii) academic leadership funds; and (iv) the master facility plan. The endowment includes both donor-restricted endowment funds and funds designated by the Board of Trustees to function as endowments. As required by U.S. GAAP, net assets associated with endowment funds, including funds designated by the Board of Trustees to function as endowments, are classified and reported based on the existence or absence of donor-imposed restrictions.

Board-Designated Endowment Funds — Board-designated endowment funds are quasi-endowment funds created by the Board of Trustees by designating a portion of Temple's net assets without donor restrictions to be invested to provide income for an intended purpose. Board-designated endowment fund assets are recognized in net assets without donor restrictions.

Interpretation of Relevant Law — ASC 958, Not-for-Profit Entities, provides guidance on the net asset classification of donor-restricted endowment funds for not-for-profit organizations subject to an enacted version of the Uniform Prudent Management of Institutional Funds Act ("UPMIFA") and improves disclosure about an organization's endowment funds regardless of whether the organization is subject to UPMIFA. The Commonwealth has not adopted UPMIFA, but rather has enacted Pennsylvania Act 141. The Board of Trustees has interpreted Commonwealth of Pennsylvania Act 141 as requiring the preservation of the fair value of the original gift as of the gift date of the donor-restricted endowment funds absent explicit donor stipulations to the contrary. As a result of this interpretation, Temple classifies amounts in its donor-restricted endowment funds as net assets with donor restrictions because those net assets are time restricted until the Board of Trustees appropriates such amounts for expenditure. Most of those net assets also are subject to purpose restrictions that must be met before reclassifying those net assets to net assets without donor restrictions. The Board of Trustees of Temple has interpreted the relevant law as not requiring the maintenance of purchasing power of the original gift amount contributed to an endowment fund, unless a donor stipulates the contrary. As a result of this interpretation, when reviewing its donor-restricted endowment funds, Temple considers a fund to be underwater if the fair value of the fund is less than the sum of (a) the original value of initial and subsequent gift amounts donated to the fund and (b) any accumulations to the fund that are required to be maintained in perpetuity in accordance with the direction of the applicable donor gift instrument. Temple has interpreted the relevant law to permit spending from underwater funds in accordance with the prudent measures required under the law. Additionally, in accordance with the relevant law, Temple considers the following factors in making a determination to appropriate or accumulate donorrestricted endowment funds: (i) the duration and preservation of the fund; (ii) the purposes of the organization

and the donor-restricted endowment fund; (iii) general economic conditions; (iv) the possible effect of inflation and deflation; (v) the expected total return from income and the appreciation of investments; (vi) other resources of the organization; and (vii) the investment policies of Temple.

Underwater Endowment — From time to time, the fair value of assets associated with individual donor-restricted endowment funds may fall below their original value or the level that the donor requires Temple to retain as a fund of perpetual duration. When donor-restricted endowment deficiencies exist, they are classified as a reduction of donor-restricted net assets. These deficiencies resulted from unfavorable market fluctuations that occurred subsequent to the investment of contributions (often shortly after the investment of newly established endowments) and continued appropriation for certain programs that was deemed prudent by the Board of Trustees.

Underwater endowments at June 30, 2024 and 2023 are as follows:

	June	e 30, 2024	Jun	ne 30, 2023
Underwater endowments:				
Number of underwater donor-restricted endowments		7		97
Original gift value	\$	1,677	\$	20,392
Fair value		1,399		19,144
Endowment deficiencies	\$	(278)	\$	(1,248)

Endowment Investment Policy — Temple has adopted investment and spending policies for endowment assets that attempt to provide a predictable stream of funding to programs supported by its endowment while seeking to maintain the purchasing power of the endowment assets. Under this approach, as approved by the Board of Trustees, the endowment assets are invested in a manner that is intended to produce results that exceed the total of the amount drawn annually for operations plus the rate of inflation and investment management fees. Temple expects its endowment funds, over time, to provide an average real rate of return, net of investment management fees, of approximately 5.00% annually. Actual returns in any given year may vary from this amount. To satisfy its long-term rate-of-return objectives, Temple relies on a total return strategy in which investment returns are achieved through both capital appreciation (realized and unrealized) and current yield (interest and dividends). Temple targets a diversified asset allocation that places a greater emphasis on equity-based investments to achieve its long-term return objectives within prudent risk constraints.

Endowment Spending Policy — Annually, the Board of Trustees approves a spending rule distribution percentage that is consistent with the long-term preservation of the real value of the assets, but in no event shall the percentage be less than 2.00% nor more than 7.00% per year. In 2024 and 2023, the spending rule limited the spending of endowment resources to 4.25% (both years) for the University, and 4.00% and 4.50%, respectively, for TUHS, of the average fair value of endowment funds for the prior twelve fiscal quarters. To the extent that current yield is inadequate to meet the spending rule, a portion of cumulative realized net gains is available for current use. These endowment funds include scholarship funds, awards funds, academic leadership funds, and master facility funds. The draw to operations under the spending policy for the years ended June 30, 2024 and 2023 totaled \$38,608 and \$36,876, respectively.

Temple's endowment balances, including board-designated endowment funds, by net asset classification at June 30, 2024 and 2023 are as follows:

June 30, 2024	ithout Donor Restrictions	With Donor Restrictions	Total
Board-designated endowment funds	\$ 337,450	\$ —	\$ 337,450
Donor-restricted endowment funds:*			
Original donor-restricted gift amount and amounts required to be maintained in perpetuity by donor	_	461,957	461,957
Accumulated investment gains	—	145,893	145,893
Term endowment funds		15,629	15,629
Total endowment funds	\$ 337,450	\$ 623,479	\$ 960,929

June 30, 2023	thout Donor Restrictions	With Donor Restrictions	Total
Board-designated endowment funds	\$ 311,619	\$ —	\$ 311,619
Donor-restricted endowment funds:*			
Original donor-restricted gift amount and amounts required to be maintained in perpetuity by donor	_	437,910	437,910
Accumulated investment gains	—	106,774	106,774
Term endowment funds		14,442	14,442
Total endowment funds	\$ 311,619	\$ 559,126	\$ 870,745

* Excludes donor restricted funds held in trust by others of \$81,801 at June 30, 2024 and \$76,604 at June 30, 2023 (see Notes 10 and 15).

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The changes in Temple's endowment assets (excluding changes in funds held in trust by others, see Notes 10 and 15) for the years ended June 30, 2024 and 2023 are as follows:

June 30, 2024	Without Donor Restrictions	With Donor Restrictions	Total
Endowment net assets, beginning of the year	\$ 311,619	\$ 559,126	\$ 870,745
Investment return:			
Net investment income	6	7,379	7,385
Net realized gain	20,665	33,373	54,038
Net unrealized gain	16,597	26,802	43,399
Total investment return	37,268	67,554	104,822
Contributions and transfers:			
Donor contributions	804	22,393	23,197
Board-designated endowment	100	_	100
Other	46	627	673
Total contributions and transfers	950	23,020	23,970
Appropriation of endowment assets for expenditure (spending rule)	(12,387)) (26,221)	(38,608)
Endowment net assets, end of the year	\$ 337,450	\$ 623,479	\$ 960,929

June 30, 2023	Without Donor Restrictions	With Donor Restrictions	Total
Endowment net assets, beginning of the year	\$ 299,074	\$ 513,631	\$ 812,705
Investment return:			
Net investment income	17	8,191	8,208
Net realized gain	16,829	26,364	43,193
Net unrealized gain	7,246	11,352	18,598
Total investment return	24,092	45,907	69,999
Contributions and transfers:			
Donor contributions	466	23,795	24,261
Board-designated endowment	—	—	—
Other	190	466	656
Total contributions and transfers	656	24,261	24,917
Appropriation of endowment assets for expenditure (spending rule)	(12,203)	(24,673)	(36,876)
Endowment net assets, end of the year	\$ 311,619	\$ 559,126	\$ 870,745

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12. Liquidity and Availability of Resources

Temple's financial assets and liquidity resources available within one year of the consolidated balance sheet date for general expenses (e.g., operating expenses and scheduled payments on debt) are as follows:

	Ju	ne 30, 2024	Ju	ne 30, 2023
Financial assets:				
Cash and cash equivalents	\$	408,268	\$	506,047
Investments (excluding purpose designated funds)		1,524,149		1,392,328
Accounts, loans, and contributions receivable, net (excluding donor restricted receivables)		700,797		564,395
Appropriation of board-designated endowment assets for general operating expenditures in the following year (estimate based on the fiscal year-end fair values and board approved spending rate for the		0.560		7.021
subsequent year)		8,560		7,931
Total financial assets available within one year to fund general expenses		2,641,774		2,470,701
Liquidity resources (Note 9):				
Revolving line of credit (undrawn) (University)		50,000		50,000
Revolving line of credit (undrawn) (TUHS)		100,000		100,000
Unsecured line of credit (undrawn and unpledged) (University)		7,500		7,500
Total financial assets and liquidity resources available within one year	\$	2,787,274	\$	2,628,201

Temple's endowment funds consist of donor-restricted and board-designated endowment funds. Income from donor-restricted endowments is restricted for specific purposes and, therefore, is not available for general expenditure. As described in Note 11, for fiscal year 2024 and 2023 the Board of Trustees approved distribution of 4.00% to 4.25% of the average fair value for the prior 12 fiscal quarters, for a total spending rule appropriation of \$38,608 and \$36,876, respectively.

Temple's cash flows have seasonal variations during the year, primarily attributable to the collection of tuition, the timing of receipts of the Commonwealth appropriation, and the collection of donor contributions, which are typically more concentrated at calendar and fiscal year-end. As part of Temple's liquidity management, Temple structures its financial assets to be available as its general expenses, liabilities, and other obligations come due. In addition, Temple invests cash in excess of daily requirements in cash equivalents and short-term investments. To help manage unanticipated liquidity needs, at June 30, 2024 and 2023, Temple has committed lines of credit in excess of \$150,000 (both years) available to be drawn. Additionally, at June 30, 2024 and 2023, Temple's board-designated endowment totaled \$337,450 and \$311,619, respectively, of which \$201,413 and \$186,607, respectively, has been board-designated to support general operations. Although Temple does not intend to spend from its board-designated endowment, other than amounts appropriated for general expenditure as part of its annual budget approval and appropriation process, amounts from its board-designated endowment could be made available if necessary. However, both the board-designated endowment and donor-restricted endowments contain investments with lock-up provisions that would reduce the total investments that could be made available. Temple also has unfunded commitments on alternative investments (see Note 9 for line of credit availability, Note 10 for investments, and Note 11 for endowments).

13. Commitments and Contingencies

From time to time, claims are made against Temple based on a variety of theories of liability, including without limitation alleged negligence, acts of discrimination, medical malpractice, breach of contract, or disagreements arising from the interpretation of laws or regulations. In the opinion of management, after consultation with legal counsel, and subject to the disclosure below, the ultimate disposition of these matters is not expected to have a material adverse effect on Temple's future financial position or changes in its net assets.

On May 5, 2020, a putative class action complaint was filed against the University in the United States District Court for the Eastern District of Pennsylvania claiming that the decision to close campus and transition to distance education in response to the COVID-19 pandemic deprived students of the benefits of in-person instruction, access to campus facilities, student activities, and other benefits and services. The complaint alleges that plaintiffs have been deprived of certain opportunities and benefits during approximately 45% of the spring 2020 semester for which they paid and seeks disgorgement of a portion of tuition and a pro-rata amount of fees paid for the spring 2020 semester. The complaint is similar to many other lawsuits filed against colleges and universities in the United States since late March 2020. In September 2024, the University and the plaintiffs agreed to settlement terms, with monetary damages to be paid by the University totaling \$6,900. The settlement terms are pending court approval and are expected to be approved and paid during fiscal year 2025. The settlement amount is included in current *Accounts payable and accrued expenses* on the 2024 consolidated balance sheet. In the June 30, 2023 consolidated balance sheet, \$7,500 was included in non-current *Accrued expenses and other liabilities*.

Under its hospital affiliation agreement with Chestnut Hill Hospital, TUHS has committed to making additional capital contributions any time a capital call is approved by the Chestnut Hill Hospital board of directors. See Note 21 for further discussion of the Chestnut Hill Hospital affiliation.

See Note 9 for commitments under finance and operating leases, Note 10 for unfunded investment commitments, and Note 14 for assets pledged as collateral.

14. Pledged Assets

At June 30, 2024 and 2023, TUHIC had restricted cash of \$317 and \$617, respectively, and non-current investments in fixed income securities of \$65,539 and \$73,853, respectively, held in trust in order to secure TUHIC's liabilities under certain reinsurance contracts.

At June 30, 2024 and 2023, the University had \$6,340 and \$6,512, respectively, of non-current investments in fixed income securities pledged as collateral under futures contracts (see Note 3). In addition, at June 30, 2024 and 2023, the University had \$884 and \$304, respectively, of postretirement benefits plan assets and \$270 and \$58, respectively, of pension plan assets in fixed income securities pledged as collateral under futures contracts (see Notes 3 and 5).

See Note 9 for amounts pledged as collateral under Temple's bond issuances, lines of credit, and letters and credit and Note 10 for unfunded investment commitments.

15. Net Assets

A summary of Temple's net assets is as follows:

	Ju	ne 30, 2024	Ju	ne 30, 2023
Net Assets:				
Without donor restrictions	\$	3,327,462	\$	3,202,917
With donor restrictions:				
Term endowments, life income funds, and accumulated endowment gains		161,522		121,216
Contributions for instruction, research, and support		54,796		50,536
Contributions for property, plant, and equipment		88,880		24,671
Corpus of contributions for endowments		461,957		437,910
Corpus of contributions for student loans		215		214
Funds held in trust by others		81,801		76,604
Beneficial interest in Episcopal Foundation		31,500		29,621
Beneficial interest in Fox Chase Cancer Center Foundation		58,185		52,729
Total net assets with donor restrictions		938,856		793,501
Total net assets	\$	4,266,318	\$	3,996,418

16. Accounts Payable and Other Accrued Expenses

Accounts payable and other accrued expenses at June 30, 2024 and 2023 consist of the following:

	June 30, 2024	June 30, 2023
Accounts payable	\$ 235,694	\$ 166,173
Accrued interest payable	14,316	14,837
Accrued payroll	60,176	49,222
Accrued vacation	47,845	46,238
Claim based liabilities, professional (Note 13), worker's compensation, general liability, and health and welfare benefits	349,649	391,187
Conditional asset retirement obligation (Note 8)	27,898	19,828
Student and other deposits	6,117	5,079
Employee retention credits (Note 24)	43,600	43,600
Operating lease liabilities (current portion)	13,125	12,245
Estimated settlements with third-party payers (Note 24)	29,301	8,799
Other	180,381	201,190
Total accounts payable and other accrued expenses	1,008,102	958,398
Less: Current portion	(617,830)) (496,864)
Non-current, accounts payable and other accrued expenses	\$ 390,272	\$ 461,534

17. Commonwealth of Pennsylvania Grants and Other Support

Temple receives support from the Commonwealth primarily in the form of appropriations (operations and capital), grants and contracts, and medical assistance supplemental funding. Medical assistance supplemental funding is to provide access to health care services, including care for the uninsured and indigent population of Pennsylvania (see Note 18). Patient care supplemental funding provided by the Commonwealth is included in *Patient care activities* revenue in the consolidated statements of activities. There is no guarantee that funding from the Commonwealth will continue consistent with historical levels or at levels requested by Temple. Under certain circumstances, Temple could be required to repay certain of the support received from the Commonwealth.

Year Ended June 30, 2024 2023 **Commonwealth of Pennsylvania support:** Patient care related: Access to care and state and local hospital assessment programs, net \$ 407,090 \$ 351,268 6,233 Academic Health Center funding 6,521 Total patient care support 413,611 357,501 Non-patient care related: Appropriation 158.206 158,206 Share of appropriation used to support matching funds under the Commonwealth of PA Medical Assistance Program* (92, 287)(80, 444)65,919 77,762 Appropriation, net Grants and contracts 24.997 22.555 Grants for property, plant, and equipment 66,159 11,708 157,075 112.025 Total non-patient care support Total Commonwealth of Pennsylvania support \$ 570,686 \$ 469,526

Support received from the Commonwealth during 2024 and 2023 is as follows:

* Amount recorded in Patient care activities revenue by TUHS.

Academic Health Center funding from the Commonwealth is transferred from TUHS to the University to support allowable academic health center costs. Such funding is included in *Transfer from TUHS* in the consolidated statements of activities (and eliminated in consolidation).

18. Revenue

Tuition revenue is recognized in the fiscal year in which the academic programs are delivered. Undergraduate and graduate students who adjust their course load or withdraw completely within the "drop/add period", typically the first two weeks of the academic term, are entitled to receive a full credit for all charges and a refund for any payments made in accordance with the University's "drop/add" policy. Professional students do not have a formal "drop/add" period and all course load adjustments for professional students are at the discretion of the University. Payments for tuition are due approximately two weeks subsequent to the start of the academic term.

When students enroll or register for classes, a contract exists between the University and the student. For professional students, this typically occurs prior to fiscal year-end for the subsequent academic year. As professional students do not have discretion over the "drop/add" process, the University considers such

contract an indication of the professional student's financial responsibility for the tuition and fees associated with those courses and a contractual agreement to the related payment terms. For non-professional students, the contract is considered cancellable until the "drop/add" period has ended, therefore, revenue and any deferred revenue contract obligation is recorded subsequent to the "drop/add" period (or if cash is received in advance of performance obligation).

The University offers two summer sessions. Summer I is provided in fiscal quarter four and Summer II spans fiscal years. Because the academic term for Summer II spans two reporting periods, a portion of the payments for Summer II (approximately 90%) are included in deferred revenue at June 30.

Temple's revenues primarily consist of tuition and fees, auxiliary enterprises, Commonwealth appropriations, grants and contracts, contributions, and patient care activities. Revenue recognition by revenue source is as follows (see Note 2 for additional revenue disclosures):

Revenue Source	Revenue Recognition					
Tuition and fees	Ratably over the academic term					
Commonwealth operating appropriation	Ratably over the fiscal year					
Commonwealth capital appropriation	Expense reimbursement					
Grants and contracts (exchange transaction)	As performance obligations are satisfied					
Grants and contracts (conditional contributions)	When the barrier (condition) is satisfied					
Contributions (non-exchange transaction)	When the barrier (condition) is satisfied. If no barrier and no right of return/release exist, then recognized when received.					
Patient care activities	As services are provided					
Auxiliary enterprises:						
Housing	Ratably over the academic term					
Meal plans	Ratably over the academic term					
Ticket sales	After event occurs					
Parking passes	Ratably over the parking permit period					
Other (e.g., event parking, programs, merchandise, concessions)	Point-of-sale					

Deferred Revenue — Deferred revenue primarily includes payments received prior to the start of the academic term. The following table depicts activities for deferred revenue during the years ended June 30, 2024 and 2023.

	Tuition and Fees														
	(Ŭr	mmer II dergrad/ Grad/ fessional)	(- · · · •		Fall Semester Professional Students		(Sponsored Contracts Exchange)	Auxiliary Contract Liabilities		Deferred Rent		Other Deferred Revenues		Total
Balance at June 30, 2022	\$	19,145	\$	224	\$	17,830	\$	40,237	\$	14,933	\$	1,835	\$	11,215	\$105,419
Revenue Recognized in 2023		(19,145)		(224)		(17,830)		(40,237)		(3,549)		(1,180)		(11,215)	(93,380)
Cash received and contracts entered into in advance of performance		17,288		272		18,888		55,921		6,228		1,424		9,871	109,892
Balance at June 30, 2023		17,288		272		18,888		55,921		17,612		2,079		9,871	121,931
Revenue Recognized in 2024		(17,288)		(272)		(18,888)		(55,921)		(7,294)		(932)		(9,871)	(110,466)
Cash received and contracts entered into in advance of performance		16,678		118		17,633		43,799		4,272		550		9,390	92,440
Balance at June 30, 2024	\$	16,678	\$	118	\$	17,633	\$	43,799	\$	14,590	\$	1,697	\$	9,390	\$103,905

The current portion of *Deferred revenue* of \$90,644 at June 30, 2024 will be recognized as revenue in fiscal 2025 in accordance with the revenue recognition policies described above and in Note 2.

Temple has elected the optional exemption to not disclose amounts where the performance obligation is part of a contract that has an original expected duration of one year or less. Temple expects to recognize substantially all revenue on these remaining performance obligations over the next twelve months.

Disaggregation of Revenue — In the fall semester of academic years 2024 and 2023, approximately 64% and 66%, respectively, of the University's students are residents of the Commonwealth, and approximately 36% and 34%, respectively, are from outside of Pennsylvania. The following tables provide the disaggregation of revenues at June 30, 2024 and 2023 for *Tuition and fees*, *Grants and contracts*, *Auxiliary enterprises*, and *Patient care activities*.

Revenues from *Tuition and fees*, during the years ended June 30, 2024 and 2023 were as follows:

	2024	2023
Tuition and fees revenues:		
Undergraduate students	\$ 538,526	\$ 566,915
Graduate students	110,201	119,267
Professional	150,934	146,714
Continuing education	6,606	6,822
Temple's Japan campus	31,496	27,950
Fees	43,086	45,092
Total tuition and fee revenues	880,849	 912,760
Less: Discounts	 (157,533)	 (154,590)
Total tuition and fees revenues, net of discounts	\$ 723,316	\$ 758,170

Revenues from Grants and contracts, during the years ended June 30, 2024 and 2023 were as follows:

	2024	2023
Grants and contracts revenues:		
Federal	\$ 142,744	\$ 133,681
Commonwealth of Pennsylvania	24,997	23,183
Local	4,214	4,470
Private	75,821	76,629
Total grants and contracts revenues	\$ 247,776	\$ 237,963

Revenues from *Auxiliary enterprises*, during the years ended June 30, 2024 and 2023 were as follows:

	2024	2023
Auxiliary enterprises revenues:		
Housing	\$ 51,474	\$ 53,794
Meal plans	22,872	23,192
General activity fee	2,548	2,805
Athletics	12,614	11,735
Parking service	6,378	6,287
Liacouras Center	3,662	3,166
Other (primarily includes food services, bookstore, and TU Press)	8,979	8,455
Total auxiliary enterprises revenues	\$ 108,527	\$ 109,434

	2024						2023						
	I	npatient	Outpatient			Total		npatient	C	Outpatient		Total	
Patient care activities:													
Medicare	\$	428,329	\$	417,191	\$	845,520	\$	410,142	\$	356,831	\$	766,973	
Medicaid		295,271		190,054		485,325		262,964		173,227		436,191	
Commercial		208,675		423,073		631,748		196,818		392,997		589,815	
Self-pay		278		6,202		6,480		645		8,687		9,332	
Other		413,657		395,241		808,898		377,749		304,270		682,019	
Total patient care activities*	\$	1,346,210	\$	1,431,761	\$	2,777,971	\$	1,248,318	\$	1,236,012	\$	2,484,330	

Revenues from *Patient care activities* recognized by major payor sources based on primary insurance designation during the years ended June 30, 2024 and 2023 were as follows:

* Physician revenue is included in outpatient revenue in the above table.

19. Expenses by Functional and Natural Classification

Expenses are presented by functional classification in alignment with the overall service mission of Temple. Temple's primary service missions are academic instruction, research, and patient care. Each functional classification displays all expenses related to the underlying operations by natural classification. Natural expenses attributable to more than one functional expense category are allocated using reasonable cost allocation techniques. Operation and maintenance of plant expenses ("O&M") and depreciation expense (excluding depreciation related to auxiliary and library books) are allocated to the functional expense classification. Depreciation related to auxiliary fixed assets (e.g., dormitories, parking garages, and athletics) is fully allocated to *Auxiliary enterprises expense* and depreciation related to library books is fully allocated to *Academic support expense*. Interest expense on external debt is allocated to the functional categories which have benefited from the proceeds of the external debt.

Functional expense categories are as follows:

Academic and Student Services:

Instruction: Expenses for all activities that are part of the University's instruction program and include expenses for credit and noncredit courses; academic, vocational, and technical instruction; remedial and tutorial instruction; and regular, special, and extension sessions.

Academic Support: Expenses incurred to provide support services for the University's primary missions of instruction, research, and public service and includes expenses related to providing services that directly assist the academic functions of the University.

Student Services: Expenses incurred for activities with the primary purpose of contributing to students' emotional and physical well-being and intellectual, cultural, and social development outside the context of the formal instruction program. It includes expenses for student services administration; social and cultural development; counseling and career guidance; financial aid administration; student admissions; maintenance of student records; and student health services.

Student aid: Grants-in-aid, trainee stipends, tuition and fee waivers, and prizes to students.

Research and Public Service:

Research: Expenses for activities specifically organized to produce research, whether commissioned by an agency external to Temple or separately budgeted by an organizational unit within Temple.

Public Service: Expenses for activities established primarily to provide non-instructional services beneficial to individuals and groups external to the University. These activities include community service programs (excluding instructional activities) and cooperative extension services.

Institutional Support: Expenses for central, executive-level activities concerned with management and long-range planning for the entire University. Institutional support includes executive management, fiscal operations, general administration, and public relations/development.

Auxiliary Enterprises: Expenses relating to the operation of auxiliary enterprises. Auxiliary enterprises exist to furnish goods or services to students, faculty, staff, other institutional departments, or incidentally to the general public, and charges a fee directly related to, although not necessarily equal to, the cost of the goods or services. The distinguishing characteristic of an auxiliary enterprise is that it is managed as an essentially self-supporting activity. Auxiliary enterprises include residence halls, food services, intercollegiate athletics, University stores, faculty clubs, and parking.

Patient Care Activities: Primarily includes expenses associated with TUHS, as well as expenses from the University's medicine, podiatry and dental programs.

2024	Academic and Student Services		esearch and Public Service		Institutional Support	Dperations and aintenance	Auxiliary Interprises	atient Care Activities	Total Expenses
Salaries and wages	\$ 439,472	\$	127,561	S	\$ 81,989	\$ 34,851	\$ 25,786	\$ 1,208,291	\$ 1,917,950
Employee benefits	113,285		30,397		21,826	8,870	6,749	292,053	473,180
Operating expenses	117,466		87,674		58,981	63,461	65,641	1,048,703	1,441,926
Allocations and cost recoveries:									
Depreciation	60,251		18,483		12,395	197	24,463	55,696	171,485
Interest on indebtedness	7,344		1,125		738	(212)	10,911	17,656	37,562
Operations and maintenance	56,485		19,477		13,035	(86,436)	_	48,474	51,035
TUHS cost recovery	(602)		_		(10,114)	(20,731)	_	31,447	_
Total operating expenses	\$ 793,701	\$	284,717	9	\$ 178,850	\$ 	\$ 133,550	\$ 2,702,320	4,093,138
Other components of net periodic postretirement benefit cost									(13,373)
Total									\$ 4,079,765

Expenses by functional and natural classification for the year ended June 30, 2024 and 2023 are as follows:

2023	ademic and Student Services	R	esearch and Public Service		Institutional Support	perations and aintenance	Auxiliary nterprises	atient Care Activities	Total Expenses
Salaries and wages	\$ 442,218	\$	123,389	9	\$ 82,419	\$ 33,500	\$ 26,518	\$ 1,145,496	\$ 1,853,540
Employee benefits	113,688		31,062		22,471	9,392	6,839	276,254	459,706
Operating expenses	121,340		84,389		79,804	56,371	62,832	923,919	1,328,655
Allocations and cost recoveries:									
Depreciation	58,942		17,235		13,719	163	24,169	49,781	164,009
Interest on indebtedness	7,645		1,151		776	(218)	11,357	16,727	37,438
Operations and maintenance	50,770		18,065		13,257	(78,677)		48,337	51,752
TUHS cost recovery	(448)		2		(10,215)	(20,531)	—	31,192	_
Total operating expenses	\$ 794,155	\$	275,293	9	\$ 202,231	\$ 	\$ 131,715	\$ 2,491,706	3,895,100
Other components of net periodic postretirement benefit cost									(16,294)
Total									\$ 3,878,806

20. Medical Professional Liability Insurance

Temple purchases primary commercial claims-made insurance coverage for medical professional liability claims from a commercial insurer, which in turn reinsures all of the risk with TUHIC, a wholly-owned captive insurance company domiciled in Bermuda. Temple is self-insured through its captive insurance company. In addition, Temple obtains \$500 (\$1,500 aggregate) coverage for its physicians from the Medical Care Availability and Reduction of Error fund ("Mcare") and also purchases excess coverage from unaffiliated commercial insurers.

The Mcare Act was enacted by the Pennsylvania legislature in 2002. The Mcare Act created the Mcare Fund, which is the state-mandated funding mechanism for the payment of medical malpractice claims exceeding the primary layer of professional liability insurance carried by Temple's physicians and other health care providers practicing in the state. The Mcare Fund is funded on a pay-as-you-go basis. The Mcare Fund levies health care provider surcharges, calculated as a percentage of the premiums established by the Joint Underwriting Association (also a Commonwealth of Pennsylvania agency) for basic coverage, to pay claims and administrative expenses on behalf of Mcare Fund participants. The Mcare Act legislation provides for the gradual phase-out of Mcare Fund coverage; however, this has been deferred by the Pennsylvania legislation and will be considered in the future.

Self-insured professional liabilities include amounts for reported claims, which, depending on occurrence and aggregate limits, are retained by Temple's insurance captive or TUHS, and claims incurred but not reported, which are retained by TUHS. The gross carrying amount of accrued asserted and unasserted actuarially determined professional liability claims, includes self-insured professional liabilities plus amounts retained by Mcare and commercial insurers. Professional liabilities (discounted at 4.75% at June 30, 2024 and 2023) and related recoveries are as follows:

	Jui	ne 30, 2024	Jui	1e 30, 2023
Accrued professional liability claims retained, net	\$	239,031	\$	257,098
Plus: Accrued liabilities above retention limits (estimated insurance recoveries)		70,378		92,605
Accrued professional liability claims, gross		309,409		349,703
Less: Current portion of accrued professional liability claims, gross		(83,387)		(72,252)
Non-current, accrued professional liability claims, gross	\$	226,022	\$	277,451

Professional liability claims are included in *Accrued expenses* with the corresponding estimated insurance recoveries recorded in *Accounts, loans, and contributions receivable, net* in Temple's consolidated balance sheets.

21. Patient Care Activities

Temple provides health care services primarily to area residents through its inpatient and outpatient care facilities in the Greater Philadelphia Metropolitan Area. Temple serves a disproportionately high number of poor or indigent patients and accordingly, derives a substantial portion of its patient care revenues from the Federal Government (Medicare) and Commonwealth of Pennsylvania (Medical Assistance) programs. At June 30, 2024 and 2023, Temple had net accounts receivable from Medicare of \$78,100 and \$53,090, respectively, and from Medical Assistance of \$36,276 and \$74,160, respectively (see Note 4).

Patient accounts receivables are written off against the allowance for doubtful accounts when management determines that recovery is unlikely and Temple ceases collection efforts. Overall, the total of self-pay write-offs for the year ended June 30, 2024 has not changed significantly from the year ended June 30, 2023. Temple has not experienced significant changes in write-off trends nor has Temple changed its charity care policy (see Note 22).

As discussed in Note 2, *Patient care activities* revenue includes estimates of reimbursement from third-party payers. During the years ended June 30, 2024 and 2023, Patient care activities revenue increased by \$24,611 and \$40,779, respectively, as a result of settlements related to prior years and changes in estimates associated with Medicare cost reports and state Medicaid audits. Audits pertaining to fiscal years through 2016 have been closed.

Chestnut Hill Hospital — On August 8, 2022, TUHS formed an alliance with Redeemer Health ("Redeemer") and Philadelphia College of Osteopathic Medicine ("PCOM"), and collectively signed a definitive agreement to acquire Chestnut Hill Hospital and its associated physician practice plan, Chestnut Hill Clinic Company, LLC ("CHC") from Tower Health. The alliance completed the acquisition on January 1, 2023 for a purchase price of \$28,000. CHH Community Health, Inc. ("CHH") is a newly-formed Pennsylvania nonprofit corporation which owns and operates Chestnut Hill Hospital. CHC is a Pennsylvania limited liability company which employs the physicians and operates the physician practices that support Chestnut Hill Hospital, with CHH as its sole member.

TUHS is the majority equity-holder of CHH, with 60% ownership, and manages the 148-bed hospital, operating under the name Temple Health – Chestnut Hill Hospital. Redeemer and PCOM each have 20% ownership in CHH and have substantive participating rights. As such, TUHS accounts for its investment in CHH under the equity method. TUHS's initial investment in CHH was \$16,800. For the years ended June 30, 2024 and 2023, TUHS's share of CHH's net loss was \$(17,005) and \$(7,430), respectively, and is included within *Other sources revenue* in the consolidated statements of operations. At June 30, 2024 and 2023, the value of TUHS' investment in CHH was \$0 and \$9,370, respectively, which is included in noncurrent *Other assets* in the consolidated balance sheet. At June 30, 2024 and 2023, TUHS also had \$35,512 and \$4,861, respectively, of current receivables included in current *Accounts, loans, and contributions receivable, net,* and \$9,200 and \$19,000, respectively, of long-term receivables due from CHH included in non-current *Other assets*, and \$4,680 and \$996, respectively, of payables owed to CHH, current *Accounts payable and accrued expenses* in the consolidated balance sheets.

Health Partners Plans — TUH and Episcopal Hospital were participants and governing members in a Medicaid, Medicare, and Children's Health Insurance Program ("CHIP") HMO known as Health Partners Plans ("HPP"). In November 2021, TUHS sold its equity interest in HPP for cash consideration totaling \$305,000, resulting in a gain of \$234,591, recognized in *Other income* in the 2022 consolidated statement of activities. TUHS received proceeds of \$301,600 at closing, with the remaining \$3,400 being held in escrow. During 2023, \$1,700 of the escrow was received; the remaining escrow is included in other receivables in the 2023 consolidated balance sheet. Prior to the sale, TUHS applied the equity method of accounting to its investment in HPP because it exercised significant influence over, but did not have a controlling interest in HPP. After the sale, TUH continues to participate in Medicaid contracts with HPP.

See Note 18 for a summary of Patient care activities revenues recognized by major payor sources based on primary insurance designation.

22. Charity Care

Temple maintains detailed records to identify and monitor the level of charity care it provides to its patients. Charity care costs are estimated by applying an overall cost to charge ratio to charity care charges. During the years ended June 30, 2024 and 2023, the estimated costs and expenses incurred to provide charity care, including the estimated unreimbursed cost of services in excess of specific payments for services rendered to Medical Assistance recipients, were \$262,986 and \$235,224, respectively (see Note 17).

23. Intangible Assets

At June 30, 2024 and 2023, amortizing intangible assets totaled \$109 and \$660, respectively. Intangible assets primarily relate to the affiliation with American Oncologic Hospital ("AOH") and acquisitions of community-based primary care practices by Temple Physicians, Inc. There were no new intangible assets acquired during 2024 or 2023.

At June 30, 2024 and 2023, Temple does not hold any goodwill or other no non-amortizing intangible assets. Details of amortizing intangible assets as of June 30, 2024 and 2023 are as follows:

		Amort	tizing	
	Gross		Current	
	Carrying	Accumulated	Year	Net Book
June 30, 2024	Amount*	Amortization	Impairment	Value
Intellectual property	\$ 3,545	\$ (3,436)	\$ —	\$ 109
Contracts and agreements	1,860	(1,508)	(352)	
Physician contracts	2,238	(2,238)		
Other	619	(619)		
Total intangible assets	\$ 8,262	\$ (7,801)	\$ (352)	\$ 109
		Amort	tizing	
	Gross		tizing Current	
	Carrying	Accumulated	Current Year	Net Book
June 30, 2023			Current	Net Book Value
June 30, 2023 Intellectual property	Carrying	Accumulated Amortization	Current Year Impairment	Value
	Carrying Amount*	Accumulated Amortization	Current Year Impairment	Value
Intellectual property	Carrying Amount*	Accumulated Amortization \$ (3,307)	Current Year Impairment	Value \$ 238
Intellectual property Contracts and agreements	Carrying Amount* \$ 3,545 1,860	Accumulated Amortization \$ (3,307) (1,438)	Current Year Impairment	Value \$ 238

* Net of impairments recorded in prior years.

Amortization expense for the years ended June 30, 2024 and 2023 was \$199 and \$(264), respectively. Future amortization expense is expected to be \$109 for the year ended 2025 and \$0 thereafter.

The changes in the carrying amount of intangible assets for the years ended June 30, 2024 and 2023 are as follows:

	Other angibles
Balance, June 30, 2022	\$ 924
Amortization	 (264)
Balance, June 30, 2023	660
Amortization	(199)
Impairment, amortizing assets	 (352)
Balance, June 30, 2024	\$ 109

24. Coronavirus (COVID-19)

All Higher Education Emergency Relief Funds ("HEERF") were fully recognized through June 30, 2022. No HEERF amounts were recorded in 2024 or 2023.

In response to the COVID-19 pandemic, the federal government, through the Internal Revenue Service ("IRS"), offered Employee Retention Credits ("ERCs"); which are refundable tax credits for businesses that continued to pay employees while shut down due to the COVID-19 pandemic or had significant declines in gross receipts from March 13, 2020 to December 31, 2021. Eligible employers are able to claim the ERC on an original or adjusted employment tax return for a period within those dates. During calendar year 2022, the University submitted filings for ERCs related to the periods March 13, 2020 through June 30, 2021, totaling \$68,308. During the fourth quarter of 2023, ERCs totaling \$43,600, including accrued interest of \$1,522, were received by the University. ERCs totaling \$26,230 are in process of being reviewed by the IRS. The IRS has three years to audit the University's ERC filings. ERCs received during 2023 are included in *Other liabilities* in the June 30, 2024 and 2023 consolidated balance sheets and are expected to be recognized as *Federal grants and contracts revenue* as additional IRS audit information is available.

The CARES Act authorized \$175,000,000 in funding to hospitals and other health care providers to be distributed through the Public Health and Social Services Emergency Fund ("Provider Relief Funds"). Payments from Provider Relief Funds are intended to compensate health care providers for lost revenues and qualified expenses incurred in response to the COVID-19 pandemic and are not required to be repaid; provided that the recipients attest to and comply with certain terms and conditions, including limitations on balance billing and not using Provider Relief Funds to reimburse expenses or losses that other sources are obligated to reimburse. Through June 30, 2022, TUHS received a total of \$213,188 in Provider Relief Fund payments (of which, \$8,698 was received in 2022, \$113,283 was received in 2021, and \$91,207 was received in 2020). The 2023 consolidated statements of activities include \$8,698 of Provider Relief Funds, which are included in revenues from *Other sources*. At June 30, 2022, Provider Relief Funds totaling \$8,698 were recorded as *Deferred revenue, current* in the consolidated balance sheets. At June 30, 2023, all Provider Relief Funds received by Temple have been earned.

25. Subsequent Events

Temple has evaluated subsequent events through October 28, 2024, the date the consolidated financial statements were available to be issued. Except as noted below, there were no events requiring adjustments to or disclosure in the consolidated financial statements.

On August 22, 2024, Chestnut Hill Hospital entered into a revolving line of credit arrangement with a financial institution allowing for outstanding borrowings not to exceed \$40,000 and expiring on August 21, 2025. Amounts borrowed accrue interest at SOFR plus the applicable margin.

* * * * *

Supplemental Schedules

The following schedules reflect the changes in net assets without donor restrictions for the University and its controlled entities. The columnar classification reflects the various budgetary categories and operations of Temple. Most patient care activities are provided by TUHS. Activities in the University's *Clinical Practice Plan* include clinical activities performed by the LKSOM. The remaining *Patient care activities* provided by the University's podiatry and dental programs are included in *Educational and General* services. *Other long-term* net assets include the net book value of property, plant, and equipment, net assets set aside to retire debt, University matching of federal loan programs, and the unfunded liability for pensions and postretirement benefits.

TEMPLE UNIVERSITY — OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION AND ITS SUBSIDIARIES

Changes in Net Assets Without Donor Restrictions — For the Year Ended June 30, 2024 (in thousands)

$ \begin{array}{c c c c c c c c c c c c c c c c c c c $						Net Assets V	Vithout Dor	or Restrictio	ns			
		Temple	Temple		Universit	y, Excluding	Temple Edu	cational Suppo	rt Services			
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$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		- -					_					
$ \begin{array}{c} \mbox{Grants and contracts} & 45590 & - & - & 47.809 & - & 154.777 & - & - & - & 202,186 & - & 247.76 & - & - & 202,186 & - & 247.76 & - & - & 202,186 & - & 247.76 & - & - & 202,186 & - & 247.76 & - & 26.10 & - & - & 202,186 & - & - & 26.17 & - & 26.10 & - & - & 202,187 & - & 26.41 & - & 202,186 & - & - & 202,186 & - & - & 202,187 & - & 26.41 & - & 202,187 & - & 26.41 & - & 202,187 & - & 26.41 & - & 202,187 & - & 26.41 & - & 202,187 & - & 26.41 & - & 202,187 & - & - & 26.41 & - & - & 26.41 & - & - & - & 26.41 & - & - & 26.41 & - & - & - & 26.41 & - & - & - & - & 26.41 & - & - & - & - & - & 41.01 & 0.95 & 277 & - & - & 10.85 & 277 & - & - & 10.85 & 277 & - & - & 10.85 & 277 & - & - & 25.38 & - & - & - & - & 2.339 & - & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & 2.339 & - & - & - & - & - & - & - & - & - & $			_			_					(101.787)	
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$\begin{array}{c c c c c c c c c c c c c c c c c c c $							2,864	432	12		_	
	Net assets released from restrictions			_								
	Total revenues	2,876,645	35,955	12	1,095,535	804	206,431	843	2,852	1,306,477	(103,837)	4,115,240
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Expenses:	, ,	,		, ,		,		,	, ,		
Auxiliary enterprises $ 66, 281$ $ 788$ $1,107$ $35,374$ $133,550$ $ 133,550$ Patient care activities $2,798,341$ $ 67$ $5,643$ $ 56$ $5,766$ $(101,787)$ $2,702,320$ Transfers: $ 69,528$ $14,622$ $123,016$ $1,30,9781$ $(103,837)$ $4093,138$ Property, plant, and equipment (PP&E) acquisitions $ (4,414)$ $(109,622)$ $127,154$ $ -$ Retirement of indebtedness $ (4,414)$ $(109,622)$ $127,154$ $ -$		59,267	29,586	_	891,624		168,740	13,515	96,586	1,170,465	(2,050)	1,257,268
Patient care activities2,798,341—675,643———565,766(101,787)2,702,320Total expenses2,857,60829,58667993,548—169,52814,622132,0161,309,781(103,837)4,093,138Transfers:———(13,118)—(4,414)(109,622)127,154———Poperty, plant, and equipment (PP&E) acquisitions———(14,745)——(1619)46,364———Capital replacement and expansion——(2)(49,990)—(130)50,122————Total transfers———(2)(91,727)146(32,182)16,507(597)———Total transfers19,0376,369(57)0,260950177(58,391)43,757(3,304)—22,102Investment return64,255——10,17824,881——1935,078—99,333Commonwealth grants for PP&E—————111111111111111111111111111111111111111111111111 <td< td=""><td></td><td>_</td><td>_</td><td>_</td><td></td><td></td><td></td><td></td><td></td><td></td><td>_</td><td></td></td<>		_	_	_							_	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		2,798,341		67		_				5,766	(101,787)	2,702,320
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Property, plant, and equipment (PP&E) acquisitions $ (13,118)$ $ (4,414)$ $(109,622)$ $127,154$ $ -$ Retirement of indebtedness $ (44,745)$ $ (16,19)$ $46,364$ $ -$ Capital replacement and expansion $ (2)$ $(49,990)$ $ (130)$ $50,122$ $ -$ Total transfers $ (2)$ $(91,727)$ 146 $(32,182)$ $(6,507)$ (597) $ -$ Total transfers $ (2)$ $(91,727)$ 146 $(36,726)$ $(44,612)$ $172,921$ $ -$ Total transfers $ (2)$ $(91,727)$ 146 $(36,726)$ $(44,612)$ $172,921$ $ -$ Total transfers $ -$ Cher changes in net assets: $ -$ <	Transfers:	, ,	,		,		,	,	,	, ,		
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Other transfers16,126146 $(32,182)$ $16,507$ (597) Total transfers (2) $(91,727)$ 146 $(36,726)$ $(44,612)$ $172,921$ Excess (deficit) of revenues over expenses and transfers19,037 $6,369$ (57) $10,260$ 950 177 $(58,391)$ $43,757$ $(3,304)$ 22,102Other changes in net assets:19 $35,078$ 99,333Commonwealth grants for PP&E2,3002,3002,300Contributions for PP&E1112,300Contributions for PP&E, net(28)2,3002,3002,300Actuarial change in accrued pensions and postretirement(1,760)(3,570)(3,570)(5,330)Other components of NPBC (Note 5)2,30111,07213,373Loss on asset retirement obligation2014,321Currency translation adjustment394(78)316Net assets released from restrictions for PP&E4,504 <t< td=""><td></td><td></td><td>_</td><td></td><td></td><td></td><td></td><td></td><td>46,364</td><td>_</td><td>_</td><td>—</td></t<>			_						46,364	_	_	—
Other transfers16,126146 $(32,182)$ $16,507$ (597) Total transfers (2) $(91,727)$ 146 $(36,726)$ $(44,612)$ $172,921$ Excess (deficit) of revenues over expenses and transfers19,037 $6,369$ (57) $10,260$ 950 177 $(58,391)$ $43,757$ $(3,304)$ 22,102Other changes in net assets:19 $35,078$ 99,333Commonwealth grants for PP&E2,3002,3002,300Contributions for PP&E1111(Loss) gain on disposal of PP&E, net(28)(4,026)Actuarial change in accrued pensions and postretirement $(1,760)$ (3,570)(3,570)(5,330)Other components of NPBC (Note 5)2,30111,07213,373Loss on asset retirement obligation2014,321Currency translation adjustment394(78)14,321Total other changes in net assets54,97139432,87724,8814,974<	Capital replacement and expansion	—	_	(2)	(49,990)	_	(130)	50,122			_	—
Excess (deficit) of revenues over expenses and transfers19,037 $6,369$ (57) $10,260$ 950 177 $(58,391)$ $43,757$ $(3,304)$ $ 22,102$ Other changes in net assets:	Other transfers	_			16,126	146	(32,182)	16,507	(597)		_	—
Excess (deficit) of revenues over expenses and transfers19,037 $6,369$ (57) $10,260$ 950 177 $(58,391)$ $43,757$ $(3,304)$ $ 22,102$ Other changes in net assets: $ -$ <	Total transfers			(2)	(91,727)	146	(36,726)	(44,612)	172,921		_	_
Other changes in net assets: $64,255$ $ 10,178$ $24,881$ $ 19$ $35,078$ $ 99,333$ Commonwealth grants for PP&E $ 2,300$ $ 2,300$ $ 2,300$ Contributions for PP&E $ 2,300$ $ 2,300$ $ 2,300$ Contributions for PP&E (28) $ 1$ $ 1$ $ 1$ (Loss) gain on disposal of PP&E, net (28) $ (4,026)$ Actuarial change in accrued pensions and postretirement $(1,760)$ $ (3,570)$ $ (5,330)$ Other components of NPBC (Note 5) $2,301$ $ -$	Excess (deficit) of revenues over expenses and transfers	19.037	6.369						43,757	(3.304)		22,102
Investment return $64,255$ $10,178$ $24,881$ 19 $35,078$ - $99,333$ Commonwealth grants for PP&E2,300- $2,300$ - $2,300$ Contributions for PP&E2,300- $2,300$ - $2,300$ Contributions for PP&E1-1-1(Loss) gain on disposal of PP&E, net(28)(56)(3,942) $(3,998)$ -(4,026)Actuarial change in accrued pensions and postretirement(1,760)(4,026)Other components of NPBC (Note 5)2,30111,07210,172-13,373Loss on asset retirement obligation2014,321Transfer from TUHS, net(14,321)11,7612,560-14,321Currency translation adjustment-394-(78)316Net assets released from restrictions for PP&E4,504113-4,617Total other changes in net assets54,971394-32,87724,881-4,974(15,654)47,0				()				()	- ,	(-))		, -
Commonwealth grants for PP&E2,3002,3002,300Contributions for PP&E111(Loss) gain on disposal of PP&E, net(28)(56)(3,942)(3,998)(4,026)Actuarial change in accrued pensions and postretirement(1,760)(3,570)(3,570)(5,330)Other components of NPBC (Note 5)2,30111,07213,373Loss on asset retirement obligation20(8,161)(8,161)(8,141)Transfer from TUHS, net(14,321)11,7612,56014,321Currency translation adjustment394(78)316Net assets released from restrictions for PP&E4,504113113102,443Change in net assets54,97139432,87724,8814,974(15,654)47,078102,443Change in net assets without donor restrictions74,0086,763(57)43,13725,831177(53,417)28,10343,774124,545Net assets without donor restrictions, beginning of year835,82012,2	-	64,255		_	10,178	24,881			19	35,078	_	99,333
Contributions for PP&E111(Loss) gain on disposal of PP&E, net(28)(56)(3,942)(3,998)(4,026)Actuarial change in accrued pensions and postretirement(1,760)(3,570)(3,570)(5,330)Other components of NPBC (Note 5)2,30111,07213,373Loss on asset retirement obligation2014,32113,373Loss on asset retirement obligation2014,32113,373Loss on asset retirement obligation202,56014,321Transfer from TUHS, net(14,321)11,7612,56014,321Currency translation adjustment394(78)316Net assets released from restrictions for PP&E4,5041134,617Total other changes in net assets54,97139432,87724,8814,974(15,654)47,078124,545Net assets without donor restrictions74,0086,763(57)43,13725,831177(53,417)28,10343,774124,545Net a	Commonwealth grants for PP&E							2,300			_	
Actuarial change in accrued pensions and postretirement $(1,760)$ $ (3,570)$ $(3,570)$ $ (5,330)$ Other components of NPBC (Note 5)2,301 $ 11,072$ $ 11,072$ $ 13,373$ Loss on asset retirement obligation20 $ (8,161)$ $ (8,141)$ Transfer from TUHS, net(14,321) $ 11,761$ $ 2,560$ $ 14,321$ $-$ Currency translation adjustment $ 394$ $ (78)$ $ (78)$ $ -$ Net assets released from restrictions for PP&E $4,504$ $ 113$ $ 113$ $ 4,617$ Total other changes in net assets $54,971$ 394 $ 32,877$ $24,881$ $ 4,974$ $(15,654)$ $47,078$ $ 102,443$ Change in net assets without donor restrictions $74,008$ $6,763$ (57) $43,137$ $25,831$ 177 $(53,417)$ $28,103$ $43,774$ $ 124,545$ Net assets without donor restrictions, beginning of year $835,820$ $12,298$ $11,890$ $637,216$ $311,619$ $119,815$ $242,394$ $1,031,865$ $2,354,799$ $ 3,202,917$	-			_						1	_	1
Other components of NPBC (Note 5) $2,301$ $ 11,072$ $ 11,072$ $ 13,373$ Loss on asset retirement obligation 20 $ (8,161)$ $ (8,161)$ $ (8,141)$ Transfer from TUHS, net $(14,321)$ $ 11,761$ $ 2,560$ $ 14,321$ $-$ Currency translation adjustment $ 394$ $ (78)$ $ (78)$ $ 316$ Net assets released from restrictions for PP&E $4,504$ $ 113$ $ 113$ $ 4,617$ Total other changes in net assets $54,971$ 394 $ 32,877$ $24,881$ $ 4,974$ $(15,654)$ $47,078$ $ 102,443$ Change in net assets without donor restrictions $74,008$ $6,763$ (57) $43,137$ $25,831$ 177 $(53,417)$ $28,103$ $43,774$ $ 124,545$ Net assets without donor restrictions, beginning of year $835,820$ $12,298$ $11,890$ $637,216$ $311,619$ $119,815$ $242,394$ $1,031,865$ $2,354,799$ $ 3,202,917$	(Loss) gain on disposal of PP&E, net	(28)	_		(56)	_		_	(3,942)	(3,998)		(4,026)
Loss on asset retirement obligation 20 $ (8,161)$ $ (8,141)$ Transfer from TUHS, net $(14,321)$ $ 11,761$ $ 2,560$ $ 14,321$ $-$ Currency translation adjustment $ 394$ $ (78)$ $ (78)$ $ -$ Net assets released from restrictions for PP&E $4,504$ $ 113$ $ 113$ $ 4,617$ Total other changes in net assets $54,971$ 394 $ 32,877$ $24,881$ $ 4,974$ $(15,654)$ $47,078$ $ 102,443$ Change in net assets without donor restrictions $74,008$ $6,763$ (57) $43,137$ $25,831$ 177 $(53,417)$ $28,103$ $43,774$ $ 124,545$ Net assets without donor restrictions, beginning of year $835,820$ $12,298$ $11,890$ $637,216$ $311,619$ $119,815$ $242,394$ $1,031,865$ $2,354,799$ $ 3,202,917$	Actuarial change in accrued pensions and postretirement	(1,760)	_	_		_			(3,570)	(3,570)		(5,330)
Transfer from TUHS, net $(14,321)$ $ 11,761$ $ 2,560$ $ 14,321$ $-$ Currency translation adjustment $ 394$ $ (78)$ $ (78)$ $ 316$ Net assets released from restrictions for PP&E $4,504$ $ 113$ $ 113$ $ 4,617$ Total other changes in net assets $54,971$ 394 $ 32,877$ $24,881$ $ 4,974$ $(15,654)$ $47,078$ $ 102,443$ Change in net assets without donor restrictions $74,008$ $6,763$ (57) $43,137$ $25,831$ 177 $(53,417)$ $28,103$ $43,774$ $ 124,545$ Net assets without donor restrictions, beginning of year $835,820$ $12,298$ $11,890$ $637,216$ $311,619$ $119,815$ $242,394$ $1,031,865$ $2,354,799$ $ 3,202,917$	Other components of NPBC (Note 5)	2,301	—	_	11,072	_			_	11,072	_	13,373
Currency translation adjustment $ 394$ $ (78)$ $ ((78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) $(7$			—	_		_			(8,161)	(8,161)		(8,141)
Currency translation adjustment $ 394$ $ (78)$ $ ((78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ $ (78)$ (78) $ (78)$ (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) (78) $(7$	Transfer from TUHS, net	(14,321)		_	11,761	—		2,560		14,321		—
Total other changes in net assets54,971394—32,87724,881—4,974(15,654)47,078—102,443Change in net assets without donor restrictions74,0086,763(57)43,13725,831177(53,417)28,10343,774—124,545Net assets without donor restrictions, beginning of year835,82012,29811,890637,216311,619119,815242,3941,031,8652,354,799—3,202,917		—	394	_	(78)	—			_	(78)	—	316
Change in net assets without donor restrictions 74,008 6,763 (57) 43,137 25,831 177 (53,417) 28,103 43,774 — 124,545 Net assets without donor restrictions, beginning of year 835,820 12,298 11,890 637,216 311,619 119,815 242,394 1,031,865 2,354,799 — 3,202,917	Net assets released from restrictions for PP&E	4,504		_	—	_		113		113	—	4,617
Change in net assets without donor restrictions 74,008 6,763 (57) 43,137 25,831 177 (53,417) 28,103 43,774 — 124,545 Net assets without donor restrictions, beginning of year 835,820 12,298 11,890 637,216 311,619 119,815 242,394 1,031,865 2,354,799 — 3,202,917	Total other changes in net assets	54,971	394		32,877	24,881		4,974	(15,654)	47,078		102,443
	Change in net assets without donor restrictions	74,008	6,763	(57)	43,137	25,831	177	(53,417)	28,103	43,774	—	124,545
	Net assets without donor restrictions, beginning of year	835,820					119,815				—	3,202,917
Net assets without donor restrictions, end of year $909,828$ $19,061$ $11,833$ $680,353$ $337,450$ $119,992$ $188,977$ $1,059,968$ $2,398,573$ $ 3,327,462$	Net assets without donor restrictions, end of year	\$ 909,828	\$ 19,061	\$ 11,833	\$ 680,353	\$ 337,450	\$ 119,992	\$ 188,977	\$1,059,968	\$ 2,398,573	\$	\$ 3,327,462

TEMPLE UNIVERSITY — OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION AND ITS SUBSIDIARIES

Changes in Net Assets Without Donor Restrictions — For the Year Ended June 30, 2023 (in thousands)

					Net Assets V	Vithout Dor	or Restrictio	ns			
	Temple	Temple		Universit	ty, Excluding	Femple Edu	cational Suppo	rt Services			
	University	Educational	Clinical			Externally				1	
	Health	Support	Practice	Educational	Quasi -	Sponsored	Unexpended	Other	Total	Consolidating	
	System	Services	Plan	and General	Endowment	Activities	Capital	Long-term	University	Eliminations	Total
Revenues:							-				
Tuition and fees, net of discounts of \$154,590	\$ —	\$ 32,540	\$ —	\$ 727,677	\$ —	\$ 3	\$ —	\$ —	\$ 727,680	\$ (2,050)	\$ 758,170
Commonwealth of Pennsylvania appropriation			_	77,762		_		_	77,762		77,762
Strategic support assessment (Note 19)	_	—		87,444		_		_	87,444	(87,444)	
Grants and contracts	40,090	_	_	47,080		150,793		_	197,873	_	237,963
Contributions for operations and endowments	4,068	_		2,529	466	18,795	_	_	21,790	_	25,858
Investment return	27,610			38,847		26,350	_	1,833	67,030	_	94,640
Sales of educational activities			_	14,158			_		14,158	_	14,158
Auxiliary enterprises			_	108,182		_	226	1,026	109,434	_	109,434
Patient care activities	2,480,997		81	3,252		_			3,333		2,484,330
Other sources	39,788			8,471		3,577	3,912	123	16,083	_	55,871
Net assets released from restrictions	7,364		_	2,000	_	2,287	5,712	(1,850)	2,437		9,801
Total revenues	2,599,917	32,540	81	1,117,402	466	201,805	4,138	1,132	1,325,024	(89,494)	3,867,987
Expenses:				-,,		,	.,	-,	-,,	(**,***)	-,,
Educational and general	57,752	28,232	_	912,078		170,964	8,032	96,671	1,187,745	(2,050)	1,271,679
Auxiliary enterprises			_	95,800		478	(89)	35,526	131,715	_	131,715
Patient care activities	2,573,184		181	5,726		—		59	5,966	(87,444)	2,491,706
Total expenses	2,630,936	28,232	181	1,013,604	_	171,442	7,943	132,256	1,325,426	(89,494)	3,895,100
Transfers:											
Property, plant, and equipment (PP&E) acquisitions	—	—	_	(13,749)		(4,594)		82,257		—	—
Retirement of indebtedness	—	—	—	(47,251)		—	(921)	48,172	—	—	—
Capital replacement and expansion	—	—	(2)	(48,333)		(610)		_	_	_	—
Transfer from TUP	—	—	—	10.0(1		(20, 015)		(554)	—		—
Other transfers Total transfers	—		(2)	19,961 (89,372)	190 190	(29,915) (35,119)		(554) 129,875			
Excess (deficit) of revenues over expenses and transfers	(31,019)	4,308	(102)	14,426	656	(4,756)		(1,249)	(402)		(27,113)
Other changes in net assets:	(31,019)	4,508	(102)	14,420	050	(4,750)	(9,377)	(1,249)	(402)		(27,115)
Investment return	34,820		_	(13,678)	11,889	_	_	(2,198)	(3,987)		30,833
Commonwealth grants for PP&E			_	(10,010) —		_	1,950	(_,:; ; ;)	1,950		1,950
Contributions for PP&E				_		_	1	_	1	_	1
(Loss) gain on disposal of PP&E, net	(194)	(6)	—	_		_		(5,565)	(5,565)		(5,765)
Actuarial change in accrued pensions and postretirement	1,620	—	_	_			—	1,253	1,253	—	2,873
Other components of NPBC (Note 5)	3,368	—	—	12,926		—	—	—	12,926	—	16,294
Transfer from TUHS, net	(5,138)		—	415	—	-	4,723	-	5,138		—
Currency translation adjustment	—	440	—	(17)		—		—	(17)		423
Other	2.077		_	698		-	11,129	1.040	11,827	_	11,827
Net assets released from restrictions for PP&E Total other changes in net assets	2,977 37,453	434		344	11,889		<u>324</u> 18,127	1,849 (4,661)	2,173 25,699		5,150 63,586
Change in net assets without donor restrictions	6,434	434	(102)	14,770	12,545	(4,756)		(5,910)	25,099		36,473
Net assets without donor restrictions, beginning of year	829,386	4,742	11,992	622,446	299,074	124,571	233,644	1,037,775	2,329,502		3,166,444
Net assets without donor restrictions, end of year	\$ 835,820							\$1,031,865		<u>ــــــــــــــــــــــــــــــــــــ</u>	\$ 3,202,917
iver assets without uonor restrictions, end of year	\$ 655,820	\$ 12,298	\$ 11,890	¢ 037,216	\$ 511,019	\$ 119,815	\$ 242,394	\$1,031,803	\$ 2,334,799	р —	\$ 3,202,917

TEMPLE UNIVERSITY — OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION AND ITS SUBSIDIARIES

Subsidiary Organizations June 30, 2024

The following is a summary of Temple's subsidiary organizations included in the consolidated financial statements and their tax-exempt status. Unless otherwise indicated, all exempt organizations are such under Internal Revenue Code Section 501(c)(3).

Temple University — Of The Commonwealth System of Higher Education ("Temple"), exempt Temple Educational Support Services, Ltd. ("TESS"), non-exempt (Japan)
Temple University School of Podiatric Medicine, Inc. ("TUSPM"), exempt 501(c)(2)
Good Samaritan Insurance Co. Ltd. ("GSIC"), non-exempt (Bermuda) (inactive)
TUMP Offices, Inc. ("TUMP"), exempt 501(c)(2) (inactive)
Global Technology Management Corp. ("GTM"), non-exempt (inactive)

Temple University Health System, Inc. ("TUHS"), exempt Temple University Hospital, Inc. ("TUH"), exempt

Temple University Health System Foundation ("TUHSF"), exempt

TUH - Jeanes Campus Auxiliary ("Jeanes"), exempt

Temple Health Subsidiaries, Inc. ("THS"), non-exempt (inactive)

Temple Physicians, Inc. ("TPI"), exempt

Temple Faculty Practice Plan, Inc. ("TFPP"), exempt

Episcopal Hospital ("EH"), exempt

TUHS Insurance Co., Ltd. ("TUHIC"), non-exempt (Bermuda)

Temple Health System Transport Team, Inc. ("T3"), exempt

Temple Center for Population Health, LLC ("TCPH"), exempt

Temple Care, Inc. ("TC"), will be organized as a pass-through entity of TCPH for purposes of federal tax exemption.

The American Oncologic Hospital ("AOH"), exempt (doing business as, The Hospital of the Fox Chase Cancer Center), exempt

Fox Chase Limited ("FC"), non-exempt

The Institute for Cancer Research ("ICR"), (doing business as, The Research Institute of Fox Chase Cancer Center), exempt

Fox Chase Cancer Center Medical Group, Inc. ("MGI"), exempt

Fox Chase Network, Inc. ("Network"), exempt

Temple Health Physicians, P.C. ("THP"), non-exempt

CHH Community Health, Inc. ("CHH"), (doing business as, Temple Health – Chestnut Hill Hospital and/or Chestnut Hill Health), exempt (effective May 3, 2022). Ownership of CHH is as follows: TUHS 60%, Philadelphia College of Osteopathic Medicine, exempt, 20%, and Holy Redeemer Health System, exempt, 20%. CHH is the sole member of Chestnut Hill Clinic Company, LLC. (doing business as, Chestnut Hill Physicians).

FEDERAL AWARDS SECTION

Deloitte.

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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 CONSOLIDATED FINANCIAL STATEMENTS PERFORMED IN ACCORDANCE WITH *GOVERNMENT AUDITING STANDARDS*.

To the Board of Trustees Temple University- Of The Commonwealth System of Higher Education Philadelphia, Pennsylvania

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 (*Government Auditing Standards*), the consolidated financial statements of Temple University- Of The Commonwealth System of Higher Education and its subsidiaries ("Temple"), which comprise the consolidated balance sheet as of June 30, 2024, and the related consolidated financial statements of activities, and cash flows for the year then ended, and the related notes to the consolidated financial statements, which collectively comprise Temple's consolidated financial statements (collectively referred to as the "financial statements") and have issued our report thereon dated October 28, 2024.

The financial statements of Temple include various subsidiaries as outlined in Note 1 to the consolidated financial statements. The consolidated financial statements of Temple University- Of The Commonwealth System of Higher Education, includes subsidiaries of Temple University Health System Inc. ("TUHS"). The subsidiary of TUHS; TUHS Insurance Company, Ltd.; was audited by us; and the subsidiary of Temple; Temple Educational Support Services Ltd.; which was audited by other auditors were audited in accordance with generally accepted auditing standards, but were not audited in accordance with *Government Auditing Standards* and accordingly this report does not include reporting on internal control over financial reporting or instances of reportable noncompliance or other matters associated with these entities.

Report on Internal Control Over Financial Reporting

In planning and performing our audit of the financial statements, we considered Temple's internal control over financial reporting (internal controls) as a basis for designing audit procedures that are appropriate in the circumstances for the purpose of expressing our opinions on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of Temple's internal control. Accordingly, we do not express an opinion on the effectiveness of Temple'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 Temple's financial statements will not be prevented or detected and corrected on a timely basis. A *significant deficiency* is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

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

Report on Compliance and Other Matters

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

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 Temple's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering Temple's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

Delatte & Touche LLP

October 28, 2024



Deloitte & Touche LLP 1700 Market Street Philadelphia, PA 19103 USA

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

To the Board of Trustees Temple University - Of The Commonwealth System of Higher Education Philadelphia, Pennsylvania

Report on Compliance for Each Major Federal Program

Opinion on Each Major Federal Program

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

In our opinion, Temple complied, in all material respects, with the 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, 2024.

Our audit, described below, did not include the operations of Temple Educational Support Services, Ltd; Temple University School of Podiatric Medicine, Inc.; Good Samaritan Insurance Co. Ltd.; TUMP Offices, Inc.; Global Technology Management Corp.; Temple University Health System Foundation; TUH - Jeanes Campus Auxiliary; Temple Health Subsidiaries Inc.; Episcopal Hospital; TUHS Insurance Company, Ltd.; Temple Health System Transport Team, Inc.; Temple Care Inc.; Fox Chase Limited; Fox Chase Network, Inc.; American Oncologic Hospital d/b/a The Hospital of Fox Chase Cancer Center; Temple Physicians, Inc.; and Fox Chase Cancer Center Medical Group, Inc.; because these subsidiaries did not receive federal awards subject to audit in accordance with the Uniform Guidance. Temple's consolidated financial statements include the consolidated operations of Temple University Health System, Inc. and its subsidiaries; Institute for Cancer research d/b/a, The Research Institute of Fox Chase Cancer Center; Temple Center for Population Health LLC;; and Temple Faculty Practice Plan, Inc.; (collectively referred to herein as "TUHS"), which expended federal awards which are not included in Temple's accompanying Schedule of Expenditures of Federal Awards for the year ended June 30, 2024. Our audit, described below, does not include federal funding awarded to TUHS, because a separate audit in accordance with the Uniform Guidance was performed for TUHS for the year ended June 30, 2024.

Basis for Opinion on Each Major Federal Program

We conducted our audit of compliance in accordance with auditing standards generally accepted in the United States of America (GAAS); the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States (*Government Auditing Standards*); 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). Our responsibilities under those standards and the Uniform Guidance are further described in the Auditor's Responsibilities for the Audit of Compliance section of our report.

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

Responsibilities of Management for Compliance

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

Auditor's Responsibilities for the Audit of Compliance

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

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

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material noncompliance, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding Temple's compliance with the compliance requirements referred to above and performing such other procedures as we considered necessary in the circumstances.
- Obtain an understanding of Temple's internal control over compliance relevant to the audit in order to design audit procedures that are appropriate in the circumstances and to test and report on internal control over compliance in accordance with the Uniform Guidance, but not for the purpose of expressing an opinion on the effectiveness of Temple's internal control over compliance. Accordingly, no such opinion is expressed.

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

Other Matters

The results of our auditing procedures disclosed an instance of noncompliance which is required to be reported in accordance with the Uniform Guidance and which is described in the accompanying schedule of findings and questioned costs as item 2024-001. Our opinion on each major federal program is not modified with respect to this matter.

Government Auditing Standards requires the auditor to perform limited procedures on the Temple's response to the noncompliance finding identified in our compliance audit described in the accompanying schedule of findings and questioned costs. The Temple's response was not subjected to the other auditing procedures applied in the audit of compliance and, accordingly, we express no opinion on the response.

Report on Internal Control Over Compliance

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

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

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

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

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

We have audited the financial statements of Temple as of and for the year ended June 30, 2024, and have issued our report thereon dated October 28, 2024, which contained an unmodified opinion on those financial statements. Our audit was performed for the purpose of forming an opinion on the financial statements as a whole. The accompanying schedule of expenditures of federal awards is presented for purposes of additional analysis as required by the Uniform Guidance and is not a required part of the 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 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 financial statements themselves, and other additional procedures in accordance with auditing statements or to the 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 financial statements as a whole.

Delatte & Touche LLP

March 31, 2025

	ALN	2024 Subrecipient	2024 Total
Grantor/Pass-Through Grantor Program Title	Number	Expenditures	Expenditures
Research and Development Cluster:			
Department of Health and Human Services: National Institutes of Health	93.R&D	¢ 10.552.040	¢ 71 776 797
Centers for Disease Control		\$ 10,553,040	
Research on Health Care Costs, Quality and Outcomes	93.CDC 93.226	69,190	2,268,012 20,575
Adolescent Health Programs	93. 297	(33,346)	616,839
Health Resources and Services Administration	93. HRSA	(33,340)	171,149
Alcohol, Drug and Mental Health	93.273	-	31,655
Administration for Community Living	93.433 /464	123,330	2,307,185
Administration for Children and Families	93.632	125,550	689,579
DHHS Pass-Through Funds	Various	568,609	15,318,500
DTHIS I ass-Thiough Funds	v arious	11,280,823	93,150,281
National Science Foundation:		11,200,025	95,150,201
NSF - Direct Awards	47.R&D	414 822	11 569 940
NSF - Direct Awards NSF - Pass-Through Funds	47.R&D Various	414,832	11,568,849 1,126,738
NSF - Pass-Thiough Funds	v arious	414,832	12,695,587
Other		414,052	12,095,587
	Variana	C10 001	10 650 075
Other - Direct Awards	Various	618,801	10,659,975
Other - Pass-Through Funds	Various	207,982	8,126,305
		826,783	18,786,280
Total Research and Development Cluster		12,522,438	124,632,148
Economic Development Cluster			
Other - Pass-Through Funds			224,521
		-	224,521
Medicaid Cluster			
Other - Pass-Through Funds		2,620	1,208,593
		2,620	1,208,593
TRIO Cluster			
Other - Direct Awards		-	686,098
		-	686,098
WIOA Cluster			
Other - Pass-Through Funds		-	567,113
		-	567,113
Student Financial Assistance Cluster:			
Department of Education:			
Federal Work Study	84.033	_	2,594,148
Federal Supplemental Educational Opportunity Grant (FSEOG)	84.007	-	2,619,649
Pell	84.063	-	40,392,553
Perkins Loans	84.038	-	8,602,630
Perkins Loans Administrative Expenses	84.038	-	278,594
ronkins Louis radininstative Expenses	04.050		54,487,574
Department of Health and Human Services:			
Health Professional Student Loans & Loans for Disadvantaged Students	93.342	-	23,266,329
Health Professional Student Loans & Loans for Disadvantaged Students Administrative Expenses	93.342	-	155,650
Nursing Student Loans	93.364	-	419,203
Nursing Student Loans Administrative Expenses	93.364		3,556

23,844,738

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Federally Guaranteed Student Loans

Direct Subsidized Loans	84.268	-	43,860,564
Direct Unsubsidized Loans	84.268	-	137,182,681
Direct Parent Plus Loans	84.268	-	62,313,853
Direct Graduate Plus Loans	84.268	-	58,276,082
		-	301,633,180

Total Student Financial Assistance Cluster

379,965,492

		2024	2024
	ALN	Subrecipient	Total
Grantor/Pass-Through Grantor Program Title	Number	Expenditures	Expenditures
Other Programs:			
Coronavirus Response and Relief Supplemental Appropriations Act ("CRRSAA") and Coronavirus Aid, Relief, and Economic Security Act ("CARES Act")	84.425C	\$ 292,662	\$ 625,133
Other - Direct Awards	Various	570,903	4,522,318
Other - Pass Through Funds	Various	1,868	15,825,649
		572,771	20,347,967
Total Other Programs		865,433	20,973,100
Total Federal Awards		\$ 13,390,491	\$ 528,257,065

See notes to schedule of expenditures of federal awards

Federal Agency Prefix	ALN Three Digit Extension	Additional Award Identification	Federal Program Name	Cluster Name	Federal Program Total	Cluster Total	Direct Award	Name of Passthrough Entity	Identifying Number Assigned by the Pass- through Entity, if assigned	Federal Award Passed Through to Subrecipients	Amount Passed Through to Subrecipients	Amount Expended
93	866		AGING RESEARCH	Research and Development	\$4,331,183	\$124,632,148			<u> </u>	N		-\$5,511
93	866		AGING RESEARCH	Research and Development	\$4,331,183	\$124,632,148	Y			Ν		\$64,514
93	866		AGING RESEARCH	Research and Development	\$4,331,183	\$124,632,148	Y			Ν		\$113,650
93	866		AGING RESEARCH	Research and Development	\$4,331,183	\$124,632,148	Y			Ν		\$270,864
93	866		AGING RESEARCH	Research and Development	\$4,331,183	\$124,632,148	Y			Ν		-\$51,302
93	866		AGING RESEARCH	Research and Development	\$4,331,183	\$124,632,148	Y			Y	\$68,664	\$381,690
93	866		AGING RESEARCH	Research and Development	\$4,331,183	\$124,632,148				N		\$75,700
93	866		AGING RESEARCH	Research and Development	\$4,331,183	\$124,632,148				Ν		\$44,309
93	866		AGING RESEARCH	Research and Development	\$4,331,183	\$124,632,148				N		\$630,303
93	866		AGING RESEARCH	Research and Development	\$4,331,183	\$124,632,148				Ν		\$389,271
93	866		AGING RESEARCH	Research and Development	\$4,331,183	\$124,632,148				N		\$291,149
	866		AGING RESEARCH	Research and Development	\$4,331,183	\$124,632,148	-			N		\$446,190
93	866		AGING RESEARCH	Research and Development	\$4,331,183	\$124,632,148				N		\$125,143
93	866		AGING RESEARCH	Research and Development	\$4,331,183	\$124,632,148				Y	\$9,270	
93	866		AGING RESEARCH	Research and Development	\$4,331,183	\$124,632,148				<u> </u>	*-1 - - - - - - - - - -	\$34,519
93	866		AGING RESEARCH	Research and Development	\$4,331,183	\$124,632,148				Y	\$51,880	
93	866		AGING RESEARCH	Research and Development	\$4,331,183	\$124,632,148				N		\$78,387
93	866 866		AGING RESEARCH AGING RESEARCH	Research and Development	\$4,331,183	\$124,632,148				<u> </u>		\$30,000
93	866		AGING RESEARCH	Research and Development Research and Development	\$4,331,183	\$124,632,148 \$124,632,148				IN N		\$304,812
93	866		AGING RESEARCH	Research and Development	\$4,331,183 \$4,331,183	\$124,632,148	-			N		\$10,204 \$2,909
93	855		ALLERGY AND INFECTIOUS DISEASES RESEARCH	Research and Development	\$9,832,940	\$124,632,148				N		32,909 - \$81
93	855		ALLERGY AND INFECTIOUS DISEASES RESEARCH	Research and Development	\$9,832,940	\$124,632,148				N		\$268,729
93	855		ALLERGY AND INFECTIOUS DISEASES RESEARCH	Research and Development	\$9,832,940	\$124,632,148				Y	\$121,566	
93	855		ALLERGY AND INFECTIOUS DISEASES RESEARCH	Research and Development	\$9,832,940	\$124,632,148				N	φ121,000	-\$24
	855		ALLERGY AND INFECTIOUS DISEASES RESEARCH	Research and Development	\$9,832,940	\$124,632,148				Y	\$322,867	\$411,148
93	855		ALLERGY AND INFECTIOUS DISEASES RESEARCH	Research and Development	\$9,832,940	\$124,632,148				N	÷===,==:	-\$3,196
	855		ALLERGY AND INFECTIOUS DISEASES RESEARCH	Research and Development	\$9,832,940	\$124,632,148				Y	\$14,994	
93	855		ALLERGY AND INFECTIOUS DISEASES RESEARCH	Research and Development	\$9,832,940	\$124,632,148				N		-\$3,216
93	855		ALLERGY AND INFECTIOUS DISEASES RESEARCH	Research and Development	\$9,832,940	\$124,632,148				Ν		\$787,554
93	855		ALLERGY AND INFECTIOUS DISEASES RESEARCH	Research and Development	\$9,832,940	\$124,632,148				Ν		\$65,977
93	855		ALLERGY AND INFECTIOUS DISEASES RESEARCH	Research and Development	\$9,832,940	\$124,632,148	Y			Y	\$120,926	\$762,285
93	855		ALLERGY AND INFECTIOUS DISEASES RESEARCH	Research and Development	\$9,832,940	\$124,632,148	Y			Ν		-\$1,552
93	855		ALLERGY AND INFECTIOUS DISEASES RESEARCH	Research and Development	\$9,832,940	\$124,632,148	Y			Ν		\$33,192
93	855		ALLERGY AND INFECTIOUS DISEASES RESEARCH	Research and Development	\$9,832,940	\$124,632,148	Y			Ν		-\$29,889
93	855		ALLERGY AND INFECTIOUS DISEASES RESEARCH	Research and Development	\$9,832,940	\$124,632,148	Y			Y	\$32,918	\$545,067
93	855		ALLERGY AND INFECTIOUS DISEASES RESEARCH	Research and Development	\$9,832,940	\$124,632,148	Y			Y	\$500,454	\$381,190
93	855		ALLERGY AND INFECTIOUS DISEASES RESEARCH	Research and Development	\$9,832,940	\$124,632,148	Y			Y	\$31,719	\$54,739
93	855		ALLERGY AND INFECTIOUS DISEASES RESEARCH	Research and Development	\$9,832,940	\$124,632,148	Y			Ν		\$175,369
93	855		ALLERGY AND INFECTIOUS DISEASES RESEARCH	Research and Development	\$9,832,940	\$124,632,148				Ν		\$318,024
93	855		ALLERGY AND INFECTIOUS DISEASES RESEARCH	Research and Development	\$9,832,940	\$124,632,148				Y	\$3,005,237	\$4,446,686
	855		ALLERGY AND INFECTIOUS DISEASES RESEARCH	Research and Development	\$9,832,940	\$124,632,148				Y	\$22,468	
93	855		ALLERGY AND INFECTIOUS DISEASES RESEARCH	Research and Development	\$9,832,940	\$124,632,148				N		\$131,901
93	855		ALLERGY AND INFECTIOUS DISEASES RESEARCH	Research and Development	\$9,832,940	\$124,632,148	Y			N		\$27,686
93	846		ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	Research and Development	\$1,099,414	\$124,632,148	Y			N		-\$303
93	846		ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	Research and Development	\$1,099,414	\$124,632,148	Y			Ν		-\$1,724
93	846		ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	Research and Development	\$1,099,414	\$124,632,148	Y			Ν		\$84
93	846		ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	Research and Development	\$1,099,414	\$124,632,148	Y			Y	\$2,471	\$638,077
93	846		ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	Research and Development	\$1,099,414	\$124,632,148	Y			Ν		\$197,781
93	846		ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	Research and Development	\$1,099,414	\$124,632,148	Y			N		\$160,138
93	846		ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	Research and Development	\$1,099,414	\$124,632,148	Y			Ν		\$41,146

Federal Agency Prefix	ALN Three Digit Extension	Additional Award Identification	Federal Program Name	Cluster Name	Federal Program Total	Cluster Total	Direct Award	Name of Passthrough Entity	Identifying Number Assigned by the Pass- through Entity, if assigned	Federal Award Passed Through to Subrecipients	Amount Passed Through to Subrecipients	Amount Expended
93	213		RESEARCH AND TRAINING IN COMPLEMENTARY AND INTEGRATIVE HEALTH	Research and Development	\$957,887	\$124,632,148	Y			Ν		-\$358
93	213		RESEARCH AND TRAINING IN COMPLEMENTARY AND INTEGRATIVE HEALTH RESEARCH AND TRAINING IN COMPLEMENTARY AND	Research and Development	\$957,887	\$124,632,148	Y			N		-\$2
93	213		INTEGRATIVE HEALTH RESEARCH AND TRAINING IN COMPLEMENTARY AND	Research and Development	\$957,887	\$124,632,148	Y			Ν		-\$896
93	213		INTEGRATIVE HEALTH RESEARCH AND TRAINING IN COMPLEMENTARY AND	Research and Development	\$957,887	\$124,632,148	Y			N		\$436,106
93	213		INTEGRATIVE HEALTH RESEARCH AND TRAINING IN COMPLEMENTARY AND	Research and Development	\$957,887	\$124,632,148	Y			Ν		\$141,593
93	213		INTEGRATIVE HEALTH RESEARCH AND TRAINING IN COMPLEMENTARY AND	Research and Development	\$957,887	\$124,632,148	Y			Ν		\$200,355
93	213 393		INTEGRATIVE HEALTH CANCER CAUSE AND PREVENTION RESEARCH	Research and Development Research and Development	\$957,887 \$728,581	\$124,632,148 \$124,632,148	Y			N		\$168,114 -\$13,195
20 22				•			I V			N		
20	393		CANCER CAUSE AND PREVENTION RESEARCH	Research and Development	\$728,581	\$124,632,148	Y Y			IN N		-\$187
13	393		CANCER CAUSE AND PREVENTION RESEARCH	Research and Development	\$728,581	\$124,632,148	-			<u> </u>	<u> </u>	\$90,772
93	393		CANCER CAUSE AND PREVENTION RESEARCH	Research and Development	\$728,581	\$124,632,148	Ŷ			Y	\$6,929	
93	394		CANCER DETECTION AND DIAGNOSIS RESEARCH	Research and Development	\$141,459	\$124,632,148	Y			N		\$90,753
93	395		CANCER TREATMENT RESEARCH	Research and Development	\$1,306,478	\$124,632,148	Y			N		-\$34,53
93	395		CANCER TREATMENT RESEARCH	Research and Development	\$1,306,478	\$124,632,148	Y			Y	\$304,021	\$574,649
93	395		CANCER TREATMENT RESEARCH	Research and Development	\$1,306,478	\$124,632,148				N		\$418,692
93	395		CANCER TREATMENT RESEARCH	Research and Development	\$1,306,478	\$124,632,148	Y			N		\$304,124
93	395		CANCER TREATMENT RESEARCH	Research and Development	\$1,306,478	\$124,632,148	Y			N		\$882
93	395		CANCER TREATMENT RESEARCH	Research and Development	\$1,306,478	\$124,632,148	Y			Ν		\$2,650
93	396		CANCER BIOLOGY RESEARCH	Research and Development	\$1,476,275	\$124,632,148	Y			Ν		-\$210
93	396		CANCER BIOLOGY RESEARCH	Research and Development	\$1,476,275	\$124,632,148	Y			Ν		\$291,069
93	396		CANCER BIOLOGY RESEARCH	Research and Development	\$1,476,275	\$124,632,148	Y			Y	\$82,934	\$450,511
93	396		CANCER BIOLOGY RESEARCH	Research and Development	\$1,476,275	\$124,632,148	Y			Ν		\$316,326
93	396		CANCER BIOLOGY RESEARCH	Research and Development	\$1,476,275	\$124,632,148	Y			Ν		\$69,771
93	397		CANCER CENTERS SUPPORT GRANTS	Research and Development	\$1,715,648	\$124,632,148	Y			Ν		\$11
93	397		CANCER CENTERS SUPPORT GRANTS	Research and Development	\$1,715,648	\$124,632,148	Y			Y	\$251,752	\$583,192
93	397		CANCER CENTERS SUPPORT GRANTS	Research and Development	\$1,715,648	\$124,632,148	Y			Y	\$351,022	
93	398		CANCER RESEARCH MANPOWER	Research and Development	\$325,218	\$124,632,148	Ý			N	+)	\$46,508
93	398		CANCER RESEARCH MANPOWER	Research and Development	\$325,218	\$124,632,148	Y			N		\$278,710
93	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148	Y			N		-\$18,858
33	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148	v			N		-\$711
23	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148	V			N		-\$9,386
23	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148	V			N		-\$379
22	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148	I V			N		\$126,998
20	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	•	\$12,353,267	\$124,632,148	I V			N		\$120,990
20	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148	T V			N		\$450,152
23			DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development			ř V			N		
23	279 279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267 \$12,353,267	\$124,632,148 \$124,632,148	ř V			N		\$45,058 \$224,133
23				Research and Development			ř V			N		
20	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148	ř V			N		-\$184,64
33	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148	Ý			<u>N</u>		-\$264,793
33	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148	Ý			<u>N</u>		-\$112,747
33	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148	Ý			<u>N</u>		\$250,900
50	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148	Ý			N	k= -	\$31,617
33	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148	Y			Y	\$7,539	
13	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148	Y			N	1	\$622,606
93	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148	Y			Y	\$637,173	
93	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148	Y			N		\$520,069
93	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148				Ν		-\$237,814
93	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148	Y			N		-\$6,065
93	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148	Y			N		\$447,237
93	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148	Y			N		\$856,327
93	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148	Y			Υ	\$163,255	\$476,383
	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148	Y					\$335,170

Federal Agency	ALN Three Digit	Additional Award			Federal Program		Direct	Name of Passthrough	Identifying Number Assigned by the Pass- through Entity, if	Federal Award Passed Through to	Amount Passed Through to	Amount
Prefix	Extension	Identification	Federal Program Name	Cluster Name	Total	Cluster Total	Award	Entity	assigned	Subrecipients	Subrecipients	Expended
93	279			Research and Development	\$12,353,267	\$124,632,148				Y	\$44,402	\$250,333
	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148				Y	\$18,350	\$598,344
	279			Research and Development	\$12,353,267	\$124,632,148				Y	\$229,523	\$700,436
	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148				Ŷ	\$150,879	\$510,746
93	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148				Y	\$8,740	\$235,921
	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148				N		\$41,791
	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148				<u> </u>		\$44,374
	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148				Y Y	\$65,842	\$208,005
	279 279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267 \$12,353,267	\$124,632,148				N	\$128,950	\$170,181 \$109,263
	279			Research and Development Research and Development	\$12,353,267	\$124,632,148 \$124,632,148				N		\$109,203
	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148				N		\$19,254
	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148				N		\$7,082
	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148				N		\$110,309
	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148				N		-\$360
	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148				N		\$685
	279			Research and Development	\$12,353,267	\$124,632,148				N		-\$14
	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148				N		-\$53,346
	279			Research and Development	\$12,353,267	\$124,632,148				N		-\$595
	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148				Y	\$6,403	
	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148				Ν		-\$8,637
	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148				Ν		\$227,674
93	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148				Ν		\$1,573,265
			RESEARCH RELATED TO DEAFNESS AND COMMUNICATION									
93	173		DISORDERS	Research and Development	\$1,696,942	\$124,632,148	Y			Ν		\$2,095
			RESEARCH RELATED TO DEAFNESS AND COMMUNICATION									
93	173		DISORDERS	Research and Development	\$1,696,942	\$124,632,148	Y			Y	\$95,751	\$107,317
			RESEARCH RELATED TO DEAFNESS AND COMMUNICATION									
93	173		DISORDERS	Research and Development	\$1,696,942	\$124,632,148	Y			Ν		\$67,032
			RESEARCH RELATED TO DEAFNESS AND COMMUNICATION									
93	173		DISORDERS	Research and Development	\$1,696,942	\$124,632,148	Y			Y	\$77,106	\$77,106
			RESEARCH RELATED TO DEAFNESS AND COMMUNICATION									
93	173		DISORDERS	Research and Development	\$1,696,942	\$124,632,148	Y			Y	-\$1	\$241,415
			RESEARCH RELATED TO DEAFNESS AND COMMUNICATION									
93	173			Research and Development	\$1,696,942	\$124,632,148	Y			Ν		\$331,060
			RESEARCH RELATED TO DEAFNESS AND COMMUNICATION									
93	173			Research and Development	\$1,696,942	\$124,632,148	Y			N		-\$4,244
			RESEARCH RELATED TO DEAFNESS AND COMMUNICATION									
93	173			Research and Development	\$1,696,942	\$124,632,148	Y			N		\$74,052
			RESEARCH RELATED TO DEAFNESS AND COMMUNICATION									
93	173		DISORDERS	Research and Development	\$1,696,942	\$124,632,148	Y			N		\$182,978
			RESEARCH RELATED TO DEAFNESS AND COMMUNICATION									
93	173			Research and Development	\$1,696,942	\$124,632,148				N		\$41,608
93	121		ORAL DISEASES AND DISORDERS RESEARCH	Research and Development	\$1,784,422	\$124,632,148				N		-\$10,908
93	121		ORAL DISEASES AND DISORDERS RESEARCH	Research and Development	\$1,784,422	\$124,632,148				<u> </u>		\$46,035
93	121		ORAL DISEASES AND DISORDERS RESEARCH	Research and Development	\$1,784,422	\$124,632,148				<u> </u>	¢ 4 070	\$420,386
93 02	121		ORAL DISEASES AND DISORDERS RESEARCH ORAL DISEASES AND DISORDERS RESEARCH	Research and Development	\$1,784,422 \$1,784,422	\$124,632,148				Y	\$4,270 \$37,774	\$25,988 \$117,715
93	121			Research and Development	\$1,784,422	\$124,632,148				ř N		\$117,715 \$258,240
<i>3</i> 3 03	121		ORAL DISEASES AND DISORDERS RESEARCH ORAL DISEASES AND DISORDERS RESEARCH	Research and Development	\$1,784,422 \$1,784,422	\$124,632,148 \$124,632,148					\$32,954	\$258,340 \$285,925
<i>3</i> 3 03	121 121		ORAL DISEASES AND DISORDERS RESEARCH	Research and Development Research and Development	\$1,784,422	\$124,632,148				T NI		\$285,925 \$132,014
93 93	121			Research and Development	\$1,784,422	\$124,632,148				N N		\$132,014
	121			Research and Development	\$1,784,422	\$124,632,148				N		\$84,601
	121			Research and Development	\$1,784,422	\$124,632,148	1			V	\$2,832	
	~		DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL		ψ±,/0+,+22	Ψ12 4 ,002,140				•	ψ2,002	ψ00,002
93	847			Research and Development	\$5,478,501	\$124,632,148	Y			Ν		-\$3,476
			DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL		<i>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</i>	Ţ ,,002,170						
	847			Research and Development	\$5,478,501	\$124,632,148	Y			Ν		\$311

Federal Agency Prefix	ALN Three Digit Extension	Additional Award Identification	Federal Program Name	Cluster Name	Federal Program Total	Cluster Total	Direct Award	Name of Passthrough Entity	Identifying Number Assigned by the Pass- through Entity, if assigned	Federal Award Passed Through to Subrecipients	Amount Passed Through to Subrecipients	Amount Expended
93	847		DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	Research and Development	\$5,478,501	\$124,632,148	Y			Ν		-\$18,002
93	847		DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	Research and Development	\$5,478,501	\$124,632,148	Y			Ν		\$464,563
93	847		DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	Research and Development	\$5,478,501	\$124,632,148	Y			Ν		-\$3,607
93	847		DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	Research and Development	\$5,478,501	\$124,632,148	Y			N		-\$328
93	847		DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	Research and Development	\$5,478,501	\$124,632,148	Y			Ν		-\$1,455
93	847		DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL	Research and Development	\$5,478,501	\$124,632,148	Y			Υ	\$13,353	\$267,471
93	847		RESEARCH DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL	Research and Development	\$5,478,501	\$124,632,148	Y			Y	\$71,392	\$146,790
93	847		RESEARCH DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL	Research and Development	\$5,478,501	\$124,632,148	Y			Y	\$299,188	\$609,599
93	847		RESEARCH DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMORAL	Research and Development	\$5,478,501	\$124,632,148	Y			Y	\$125,456	\$651,160
93	847		RESEARCH DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL	Research and Development	\$5,478,501	\$124,632,148	Y			N		\$479,969
93	847		RESEARCH DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL	Research and Development	\$5,478,501	\$124,632,148	Y			Ν		\$503,280
93	847		RESEARCH DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL	Research and Development	\$5,478,501	\$124,632,148	Y			Ν		\$282,043
93	847		RESEARCH DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL	Research and Development	\$5,478,501	\$124,632,148	Y			Y	\$241,024	\$510,458
93	847		RESEARCH DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL	Research and Development	\$5,478,501	\$124,632,148	Y			N		\$256,702
93	847		RESEARCH DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL	Research and Development	\$5,478,501	\$124,632,148	Y			Y	\$143,980	\$561,848
93	847		RESEARCH DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL	Research and Development	\$5,478,501	\$124,632,148	Y			Y	\$47,436	\$399,027
93	847		RESEARCH	Research and Development	\$5,478,501	\$124,632,148	Y			Ν		\$25,086
93	286		DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH	Research and Development	\$190,202	\$124,632,148	Y			Ν		\$20,629
93	113		ENVIRONMENTAL HEALTH	Research and Development	\$647,318	\$124,632,148	-			N		\$54,213
93	113		ENVIRONMENTAL HEALTH	Research and Development	\$647,318	\$124,632,148	Y			N		\$242,457
)3	113		ENVIRONMENTAL HEALTH	Research and Development	\$647,318	\$124,632,148	Y			N		\$137,338
33	113		ENVIRONMENTAL HEALTH	Research and Development	\$647,318	\$124,632,148				N		\$58,190
)3 20	867		VISION RESEARCH	Research and Development	\$378,779	\$124,632,148	1			N		-\$757
) <u>)</u>)2	867		VISION RESEARCH	Research and Development	\$378,779	\$124,632,148				N		\$125,495
)2)2	867		VISION RESEARCH	Research and Development	\$378,779	\$124,632,148						\$125,495
				•						N		
00	859		BIOMEDICAL RESEARCH AND RESEARCH TRAINING	Research and Development	\$4,835,752	\$124,632,148	Y Y			<u>N</u>		-\$146,332
3	859		BIOMEDICAL RESEARCH AND RESEARCH TRAINING	Research and Development	\$4,835,752	\$124,632,148				<u>N</u>		-\$11,210
13	859		BIOMEDICAL RESEARCH AND RESEARCH TRAINING	Research and Development	\$4,835,752	\$124,632,148				N		-\$133
93	859		BIOMEDICAL RESEARCH AND RESEARCH TRAINING	Research and Development	\$4,835,752	\$124,632,148				N		-\$3,861
93	859		BIOMEDICAL RESEARCH AND RESEARCH TRAINING	Research and Development	\$4,835,752	\$124,632,148				N		\$3,277
93	859		BIOMEDICAL RESEARCH AND RESEARCH TRAINING	Research and Development	\$4,835,752	\$124,632,148				N		-\$399,474
93	859		BIOMEDICAL RESEARCH AND RESEARCH TRAINING	Research and Development	\$4,835,752	\$124,632,148	Y			N		-\$1,483
93	859		BIOMEDICAL RESEARCH AND RESEARCH TRAINING	Research and Development	\$4,835,752	\$124,632,148	Y			Ν		\$24,682
93	859		BIOMEDICAL RESEARCH AND RESEARCH TRAINING	Research and Development	\$4,835,752	\$124,632,148	Y			Ν		\$394,501
93	859		BIOMEDICAL RESEARCH AND RESEARCH TRAINING	Research and Development	\$4,835,752	\$124,632,148	Y			N		\$295,772
93	859		BIOMEDICAL RESEARCH AND RESEARCH TRAINING	Research and Development	\$4,835,752	\$124,632,148				Y	\$212,654	\$113,132
)3	859		BIOMEDICAL RESEARCH AND RESEARCH TRAINING	Research and Development	\$4,835,752	\$124,632,148				Ν		-\$60
93	859		BIOMEDICAL RESEARCH AND RESEARCH TRAINING	Research and Development	\$4,835,752	\$124,632,148				N		\$220,910
	859		BIOMEDICAL RESEARCH AND RESEARCH TRAINING	Research and Development	\$4,835,752	\$124,632,148				N		\$301,140
93	838											φοστ,τ-τυ

	ALN Three				Federal		Direct		Identifying Number Assigned by the Pass-	Federal Award Passed	Passed	A
Agency Prefix	Digit /	Additional Awarc Identification	Federal Program Name	Cluster Name	Program Total	Cluster Total	Direct Award	Name of Passthrough Entity	through Entity, if assigned	Through to Subrecipients	Through to Subrecipients	Amount Expended
93	859		BIOMEDICAL RESEARCH AND RESEARCH TRAINING	Research and Development	\$4,835,752	\$124,632,148			.	N		\$342,749
93	859		BIOMEDICAL RESEARCH AND RESEARCH TRAINING	Research and Development	\$4,835,752	\$124,632,148				Y	\$90,758	\$138,000
93	859		BIOMEDICAL RESEARCH AND RESEARCH TRAINING	Research and Development	\$4,835,752	\$124,632,148				Ν		\$413,291
93	859		BIOMEDICAL RESEARCH AND RESEARCH TRAINING	Research and Development	\$4,835,752	\$124,632,148	Y			Ν		\$227,517
93	859		BIOMEDICAL RESEARCH AND RESEARCH TRAINING	Research and Development	\$4,835,752	\$124,632,148	Y			Ν		\$322,418
93	859		BIOMEDICAL RESEARCH AND RESEARCH TRAINING	Research and Development	\$4,835,752	\$124,632,148	Y			Ν		\$403,073
93	859		BIOMEDICAL RESEARCH AND RESEARCH TRAINING	Research and Development	\$4,835,752	\$124,632,148	Y			Ν		\$892,515
93	859		BIOMEDICAL RESEARCH AND RESEARCH TRAINING	Research and Development	\$4,835,752	\$124,632,148	Y			Y	\$47,227	\$374,593
93	859		BIOMEDICAL RESEARCH AND RESEARCH TRAINING	Research and Development	\$4,835,752	\$124,632,148	Y			Ν		\$378,665
93	859		BIOMEDICAL RESEARCH AND RESEARCH TRAINING	Research and Development	\$4,835,752	\$124,632,148	Y			Ν		\$49,667
			CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL									
93	865		RESEARCH	Research and Development	\$3,279,294	\$124,632,148	Y			Ν		-\$21,017
			CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL									
93	865		RESEARCH	Research and Development	\$3,279,294	\$124,632,148	Y			N		\$122,879
			CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL									
93	865		RESEARCH	Research and Development	\$3,279,294	\$124,632,148	Y			N		\$615,056
			CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL									
93	865		RESEARCH	Research and Development	\$3,279,294	\$124,632,148	Y			N		\$371,113
~ ~			CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL		to 070 00 /							• • - • •
93	865			Research and Development	\$3,279,294	\$124,632,148	Y			Ν		\$1,794
00	005		CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL	December of Development	#0.070.004	#404 000 440	V			N		
93	865			Research and Development	\$3,279,294	\$124,632,148	Ŷ			N		\$65,445
00	005		CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL	Decease and Development	¢0.070.004	¢104 000 140	V			V	¢100.150	¢ 400 1 40
93	865		RESEARCH CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL	Research and Development	\$3,279,294	\$124,632,148	Ý			Ŷ	\$130,158	\$400,142
00	0.CE		RESEARCH	Desserveh and Development	¢2 070 004	\$124,632,148	V			N		<u> </u>
93	865		CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL	Research and Development	\$3,279,294	¢124,032,148	ř			N		\$508,145
03	865		RESEARCH	Research and Development	\$3,279,294	\$124,632,148	v			Ν		\$477,272
93	000		CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL	Research and Development	φ <u></u> 3,279,294	φ124,032,140	I			IN		φ477,272
93	865		RESEARCH	Research and Development	\$3,279,294	\$124,632,148	v			Ν		\$144
55	000		CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL	Research and Development	ψ0,270,204	ψ124,002,140				IN .		ψ1++
93	865		RESEARCH	Research and Development	\$3,279,294	\$124,632,148	Y			γ	\$29,714	\$149,388
			CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL		<i>\\</i> 0,270,201	<i><i><i><i>q</i> 1L 1,002,1 10</i></i></i>				·	φ20,711	<i>\\\\\\\\\\\\\</i>
93	865		RESEARCH	Research and Development	\$3,279,294	\$124,632,148	Y			Ν		\$23,883
			CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL		1 - , - , -	. ,,						, .,
93	865		RESEARCH	Research and Development	\$3,279,294	\$124,632,148	Y			Y	\$32,247	\$60,577
			CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL	·								
93	865		RESEARCH	Research and Development	\$3,279,294	\$124,632,148	Y			Ν		\$12,048
93	172		HUMAN GENOME RESEARCH	Research and Development	\$280,985	\$124,632,148	Y			Ν		\$214,644
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148	Y			Ν		\$1
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148	Y			Ν		-\$15,156
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148	Y			Ν		-\$1,638
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148	Y			Ν		-\$1,681
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148				Ν		-\$187
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148				Ν		-\$80
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148				Ν		-\$590
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148				Ν		-\$3,413
	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148				Ν		\$50,105
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148	Y			Ν		\$190
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148	Y			Y	\$8,380	\$47,418
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148				Ν		\$1,788
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148				N		\$118,291
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148				N		\$71,242
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148				N		\$8,106
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148				N		\$899
	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148				N		\$122,850
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148				N		\$16,204
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148				N		\$274,244
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148	Y			N		\$352,881

Federal Agency Prefix	ALN Three Digit Extension	Additional Award	d Federal Program Name	Cluster Name	Federal Program Total	Cluster Total	Direct Award	Name of Passthrough Entity	Identifying Number Assigned by the Pass- through Entity, if assigned	Federal Award Passed Through to Subrecipients	Amount Passed Through to Subrecipients	Amount Expended
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148	1			N		\$7,254
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148				N		\$570,484
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148				N		\$418,575
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148				Ŷ	\$34,968	
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148				N	<i> </i>	\$128,234
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148				Ν		\$321,670
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148				N		-\$6,217
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148				Y	\$118,273	
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148				Ν		-\$2,023
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148	Y			Ν		\$132,087
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148	Y			Ν		\$38,192
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148	Y			Ν		-\$728
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148	S Y			Ν		\$27,926
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148	Y			Ν		\$247,972
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148	S Y			Ν		\$541,190
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148	S Y			Ν		\$553,971
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148	Y			Ν		-\$21,206
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148	Y			Ν		\$164,816
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148	S Y			Ν		\$217,986
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148				Ν		\$23,826
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148				N		\$24,294
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148				Ν		\$215,688
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148				N		-\$2,312
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148				N		-\$5,067
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148				N		\$2,615
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148				N		-\$803
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148				N		\$35
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148				N		\$354,526
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148				<u> </u>		-\$96,348
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148				<u>N</u>		\$261,877
93	838		LUNG DISEASES RESEARCH	Research and Development	\$1,390,676	\$124,632,148				<u>N</u>		\$342,273
93	838 839		LUNG DISEASES RESEARCH BLOOD DISEASES AND RESOURCES RESEARCH	Research and Development	\$1,390,676	\$124,632,148				N		\$399,283 ¢5,200
93			BLOOD DISEASES AND RESOURCES RESEARCH BLOOD DISEASES AND RESOURCES RESEARCH	Research and Development	\$1,981,450	\$124,632,148				IN N		-\$5,398
93	839		BLOOD DISEASES AND RESOURCES RESEARCH BLOOD DISEASES AND RESOURCES RESEARCH	Research and Development	\$1,981,450	\$124,632,148				N		\$108,826 \$1,520
93	839 839		BLOOD DISEASES AND RESOURCES RESEARCH BLOOD DISEASES AND RESOURCES RESEARCH	Research and Development Research and Development	\$1,981,450 \$1,981,450	\$124,632,148 \$124,632,148				IN N		-\$1,529 -\$2,480
93	839		BLOOD DISEASES AND RESOURCES RESEARCH	Research and Development	\$1,981,450	\$124,632,148				N	\$1,268	
93	839		BLOOD DISEASES AND RESOURCES RESEARCH	Research and Development	\$1,981,450	\$124,632,148				1	φ1,200	\$983,790
93	839		BLOOD DISEASES AND RESOURCES RESEARCH	Research and Development	\$1,981,450	\$124,632,148				N		\$96,079
93	839		BLOOD DISEASES AND RESOURCES RESEARCH	Research and Development	\$1,981,450	\$124,632,148				N V	\$71,571	\$590,740
93	879		MEDICAL LIBRARY ASSISTANCE	Research and Development	\$663,380	\$124,632,148				V	\$65,592	\$199,469
93	879		MEDICAL LIBRARY ASSISTANCE	Research and Development	\$663,380	\$124,632,148				N	<i>\</i> \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	\$463,911
	0,0				<i><i><i><i>ϕ</i></i>^{<i>ϕ</i>}^{<i>ϕ</i>}^{<i>ϕ</i>}^{<i>ϕ</i>}^{<i>ϕ</i>}^{<i>ϕ</i>}</i></i>	<i>\</i>						¢ 100,011
93	307		MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH	Research and Development	\$1,685,287	\$124,632,148	Y			Y	\$104,665	\$175,197
93	307		MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH	Research and Development	\$1,685,287	\$124,632,148	Y			Ν		-\$248
93	307		MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH	Research and Development	\$1,685,287	\$124,632,148	S Y			Y	\$112,129	\$753,558
93	307		MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH	Research and Development	\$1,685,287	\$124,632,148	Y			N		\$175,702
93	307		MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH		\$1,685,287					N		
				Research and Development		\$124,632,148						\$174,875
93	307		MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH	Research and Development	\$1,685,287	\$124,632,148	S Y			N		\$100,140
93	307		MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH	Research and Development	\$1,685,287	\$124,632,148	Y			Y	\$41,742	\$156,261
93	310		TRANS NIH RESEARCH SUPPORT	Research and Development	\$1,080,858	\$124,632,148	Y			Y	\$136,973	\$924,315
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148				Ν		-\$18,608
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148				Ν		-\$5,335

Federal Agency Prefix	ALN Three Digit Extension	Additional Award Identification	Federal Program Name	Cluster Name	Federal Program Total	Cluster Total	Direct Award	Name of Passthrough Entity	Identifying Number Assigned by the Pass- through Entity, if assigned	Federal Award Passed Through to Subrecipients	Amount Passed Through to Subrecipients	Amount Expended
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148	Y			Ν		\$25,818
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148	Y			Ν		\$5,919
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148	S Y			Ν		-\$21,305
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148	Y			Ν		-\$10,237
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148	Y			Ν		\$10,327
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148	S Y			Y	\$27,065	\$26,454
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148	Y			Ν		-\$1
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148	Y			Ν		\$589,715
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148	Y			Y	\$8,805	\$8,805
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148	S Y			Ν		\$3,431
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148	S Y			Y	\$216,681	\$385,956
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148	S Y			Y	\$413,712	\$646,099
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148	Y			Ν		\$302,883
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148	Y			Ν		\$4,589
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148	S Y			Ν		\$106,685
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148	Y			Y	\$144,267	\$845,312
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148	Y			Y	\$76,652	\$725,323
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148				Ν		\$2,153
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148				N		\$50,547
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148				Y	\$217,166	
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148				N	+	\$253,673
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148				N		\$31,808
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148				N		-\$1,506
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148				Y	\$139,246	
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148				N	ψ100,240	\$207,096
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148				N		\$34,008
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148				N		\$31,872
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148				N		\$25,306
03	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148				N		\$30,723
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148				N		\$64,398
93 02	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148				N		\$04,398 \$14,548
93	242		MENTAL HEALTH RESEARCH GRANTS	•	\$7,637,560	\$124,632,148				N		\$141,163
	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development						IN N		
93				Research and Development	\$7,637,560	\$124,632,148				N		\$46,985
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148				N		-\$203
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148				N		-\$172
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148				<u>N</u>		-\$4,909
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148				<u> </u>		-\$137,830
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148	S Y			Y	\$3,529	\$883,985
			EXTRAMURAL RESEARCH PROGRAMS IN THE									t
93	853		NEUROSCIENCES AND NEUROLOGICAL DISORDERS	Research and Development	\$7,795,032	\$124,632,148	Y			N		-\$50,873
			EXTRAMURAL RESEARCH PROGRAMS IN THE									
93	853		NEUROSCIENCES AND NEUROLOGICAL DISORDERS	Research and Development	\$7,795,032	\$124,632,148	S Y			N		-\$1,165
			EXTRAMURAL RESEARCH PROGRAMS IN THE									
93	853		NEUROSCIENCES AND NEUROLOGICAL DISORDERS	Research and Development	\$7,795,032	\$124,632,148	Y			N		\$220,197
			EXTRAMURAL RESEARCH PROGRAMS IN THE									
93	853		NEUROSCIENCES AND NEUROLOGICAL DISORDERS	Research and Development	\$7,795,032	\$124,632,148	Y			Ν		\$161,180
			EXTRAMURAL RESEARCH PROGRAMS IN THE									
93	853		NEUROSCIENCES AND NEUROLOGICAL DISORDERS	Research and Development	\$7,795,032	\$124,632,148	Y			Y	\$36,495	\$163,601
			EXTRAMURAL RESEARCH PROGRAMS IN THE									
93	853		NEUROSCIENCES AND NEUROLOGICAL DISORDERS	Research and Development	\$7,795,032	\$124,632,148	Y			Ν		\$248,354
			EXTRAMURAL RESEARCH PROGRAMS IN THE									
93	853		NEUROSCIENCES AND NEUROLOGICAL DISORDERS	Research and Development	\$7,795,032	\$124,632,148	Y			Ν		\$181,187
			EXTRAMURAL RESEARCH PROGRAMS IN THE									
93	853		NEUROSCIENCES AND NEUROLOGICAL DISORDERS	Research and Development	\$7,795,032	\$124,632,148	Y			Ν		\$404,358
			EXTRAMURAL RESEARCH PROGRAMS IN THE	•								
93	853		NEUROSCIENCES AND NEUROLOGICAL DISORDERS	Research and Development	\$7,795,032	\$124,632,148	Y			Ν		-\$966
			EXTRAMURAL RESEARCH PROGRAMS IN THE			,						
			NEUROSCIENCES AND NEUROLOGICAL DISORDERS	Research and Development	\$7,795,032	\$124,632,148				Ν		\$129,140

Agency PrefixDigit ExtensionAdditional Award IdentificationFederal Program NameCluster NameProgram TotalDirect Cluster TotalName of Passthrough Award93853EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERSResearch and Development\$7,795,032\$124,632,148Y	Identifying Number Assigned by the Pass- through Entity, if assigned	Through to	Passed	
Prefix Extension Identification Federal Program Name Cluster Name Total Cluster Total Award Entity BXTRAMURAL RESEARCH PROGRAMS IN THE EXTRAMURAL RESEARCH PROGRAMS IN THE Image: Cluster Total Award Entity 93 853 NEUROSCIENCES AND NEUROLOGICAL DISORDERS Research and Development \$7,795,032 \$124,632,148 Y				
EXTRAMURAL RESEARCH PROGRAMS IN THE 93 853 NEUROSCIENCES AND NEUROLOGICAL DISORDERS Research and Development \$7,795,032 \$124,632,148 Y	doorgned	Subrecinients	Through to Subrecipients	Amount Expended
93 853 NEUROSCIENCES AND NEUROLOGICAL DISORDERS Research and Development \$7,795,032 \$124,632,148 Y		oubrecipients	oubrecipients	Expended
		Ν		\$367,518
EXTRAMURAL RESEARCH PROGRAMS IN THE				
93 853 NEUROSCIENCES AND NEUROLOGICAL DISORDERS Research and Development \$7,795,032 \$124,632,148 Y		Y	\$8,321	\$553,152
EXTRAMURAL RESEARCH PROGRAMS IN THE				
93 853 NEUROSCIENCES AND NEUROLOGICAL DISORDERS Research and Development \$7,795,032 \$124,632,148 Y		Ν		\$587,139
EXTRAMURAL RESEARCH PROGRAMS IN THE				
93 853 NEUROSCIENCES AND NEUROLOGICAL DISORDERS Research and Development \$7,795,032 \$124,632,148 Y		Y	\$27,119	\$277,986
EXTRAMURAL RESEARCH PROGRAMS IN THE				
93 853 NEUROSCIENCES AND NEUROLOGICAL DISORDERS Research and Development \$7,795,032 \$124,632,148 Y		N		\$468,396
EXTRAMURAL RESEARCH PROGRAMS IN THE				
93 853 NEUROSCIENCES AND NEUROLOGICAL DISORDERS Research and Development \$7,795,032 \$124,632,148 Y		N		\$199,081
EXTRAMURAL RESEARCH PROGRAMS IN THE				\$00.010
93 853 NEUROSCIENCES AND NEUROLOGICAL DISORDERS Research and Development \$7,795,032 \$124,632,148 Y		N		\$20,216
EXTRAMURAL RESEARCH PROGRAMS IN THE		N		¢15 004
93 853 NEUROSCIENCES AND NEUROLOGICAL DISORDERS Research and Development \$7,795,032 \$124,632,148 Y EXTRAMURAL RESEARCH PROGRAMS IN THE		N		-\$15,634
93 853 NEUROSCIENCES AND NEUROLOGICAL DISORDERS Research and Development \$7,795,032 \$124,632,148 Y		Ν		\$82,751
EXTRAMURAL RESEARCH PROGRAMS IN THE		IN		ψ02,731
93 853 NEUROSCIENCES AND NEUROLOGICAL DISORDERS Research and Development \$7,795,032 \$124,632,148 Y		Ν		\$473,313
EXTRAMURAL RESEARCH PROGRAMS IN THE				φ170,010
93 853 NEUROSCIENCES AND NEUROLOGICAL DISORDERS Research and Development \$7,795,032 \$124,632,148 Y		Ν		\$244,011
EXTRAMURAL RESEARCH PROGRAMS IN THE				
93 853 NEUROSCIENCES AND NEUROLOGICAL DISORDERS Research and Development \$7,795,032 \$124,632,148 Y		Ν		\$1,023,900
EXTRAMURAL RESEARCH PROGRAMS IN THE				
93 853 NEUROSCIENCES AND NEUROLOGICAL DISORDERS Research and Development \$7,795,032 \$124,632,148 Y		Ν		\$66,198
EXTRAMURAL RESEARCH PROGRAMS IN THE				
93 853 NEUROSCIENCES AND NEUROLOGICAL DISORDERS Research and Development \$7,795,032 \$124,632,148 Y		Y	\$22,489	\$322,355
EXTRAMURAL RESEARCH PROGRAMS IN THE				
93 853 NEUROSCIENCES AND NEUROLOGICAL DISORDERS Research and Development \$7,795,032 \$124,632,148 Y		Ν		\$311,271
EXTRAMURAL RESEARCH PROGRAMS IN THE				
93 853 NEUROSCIENCES AND NEUROLOGICAL DISORDERS Research and Development \$7,795,032 \$124,632,148 Y		N		\$81,113
EXTRAMURAL RESEARCH PROGRAMS IN THE				• ·
93 853 NEUROSCIENCES AND NEUROLOGICAL DISORDERS Research and Development \$7,795,032 \$124,632,148 Y		N		\$15,372
EXTRAMURAL RESEARCH PROGRAMS IN THE		N		¢100.007
93 853 NEUROSCIENCES AND NEUROLOGICAL DISORDERS Research and Development \$7,795,032 \$124,632,148 Y EXTRAMURAL RESEARCH PROGRAMS IN THE		N		\$129,307
93 853 NEUROSCIENCES AND NEUROLOGICAL DISORDERS Research and Development \$7,795,032 \$124,632,148 Y		Ν		\$76,560
EXTRAMURAL RESEARCH PROGRAMS IN THE		IN		\$70,500
93 853 NEUROSCIENCES AND NEUROLOGICAL DISORDERS Research and Development \$7,795,032 \$124,632,148 Y		Ν		\$175,044
EXTRAMURAL RESEARCH PROGRAMS IN THE		1		φ1/0,044
93 853 NEUROSCIENCES AND NEUROLOGICAL DISORDERS Research and Development \$7,795,032 \$124,632,148 Y		Y	\$17,511	\$65,693
EXTRAMURAL RESEARCH PROGRAMS IN THE			+=-;•==	+,
93 853 NEUROSCIENCES AND NEUROLOGICAL DISORDERS Research and Development \$7,795,032 \$124,632,148 Y		Ν		\$16,476
NATIONAL CENTER FOR ADVANCING TRANSLATIONAL				
93 351 SCIENCES Research and Development \$599,770 \$124,632,148 Y		Ν		\$599,770
93 RD1 GS-23-F-0274M NATIONAL INSTITUTES OF HEALTH CONTRACT Research and Development \$188,652 \$124,632,148 Y		Ν		\$34
93 RD3 HHSN26820160000 NATIONAL INSTITUTES OF HEALTH CONTRACT Research and Development -\$32,912 \$124,632,148 Y		Ν		-\$32,912
93 273 ALCOHOL RESEARCH PROGRAMS Research and Development \$817,206 \$124,632,148 Y		Ν		-\$39,538
93 273 ALCOHOL RESEARCH PROGRAMS Research and Development \$817,206 \$124,632,148 Y		Ν		\$138
93 273 ALCOHOL RESEARCH PROGRAMS Research and Development \$817,206 \$124,632,148 Y		Ν		\$27,454
93 273 ALCOHOL RESEARCH PROGRAMS Research and Development \$817,206 \$124,632,148 Y		N		\$343,689
93 273 ALCOHOL RESEARCH PROGRAMS Research and Development \$817,206 \$124,632,148 Y		N		\$79,130
Translation and Implementation Science Research for Heart,				A
93 084 Lung, Blood Diseases, and Sleep Disorders (B) Research and Development \$338,149 \$124,632,148 Y		N		\$338,149
INJURY PREVENTION AND CONTROL RESEARCH AND STATE		V	400.00 t	#000 FF7
93 136 AND COMMUNITY BASED PROGRAMS Research and Development \$202,557 \$124,632,148 Y		Y	\$30,934	\$202,557

	ALN Three			Cluster Name	Federal Program Total	Cluster Total	Direct Award	Name of Passthrough	Identifying Number Assigned by the Pass- through Entity, if	Through to	Passed Through to	Amount
Prenx	Extension	Identification	Federal Program Name IMMUNIZATION RESEATCH, DEMONSTATION, PUBLIC	Cluster Name	TOTAL	Cluster Total	Awaru	Entity	assigned	Subrecipients	Subrecipients	Expended
			INFORMATION AND EDUCATION TRAINING AND CLINICAL									
02	185		SKILLS IMPROVEMENT PROJECT	Posoarch and Dovelonment	\$1,445,338	\$124,632,148	Y			v	\$38,256	¢1 115 220
93	262		OCCUPATIONAL SAFTEY AND HEALTH PROGRAM	Research and Development		\$124,632,148	Y Y			N	\$38,250	
93		75D30123C17147	NATIONAL INSTITUTES OF HEALTH CONTRACT	Research and Development Research and Development	\$165,613 \$188,652	\$124,632,148	· ·			N		\$93,350 \$188,618
93	226	/5D30123C1/14/	Research on Healthcare Costs, Quality and Outcomes	Research and Development	\$100,032	\$124,632,148				N		\$100,010
93	220		TEENAGER PREGANCY PREVENTION PROGRAM	Research and Development	\$616,839	\$124,632,148	Y			N	-\$33,346	
35	237		TEENAGEN FREGANCI FREVENHON FROGRAM	Research and Development	φ010,039	φ124,052,140				I	-400,040	\$010,839
93	011		NATIONAL ORGANIZATIONS OF STATE AND LOCAL OFFICIAL	S Research and Development	\$62,155	\$124,632,148	v			Ν		\$62,155
30	011		Ryan White HIV/AIDS Dental Reimbursement and Communit		ψ02,100	ψ124,052,140				IN		φ02,105
02	924		Based Dental Partnership Grants (A, B)	Research and Development	\$108,994	\$124,632,148	v			Ν		\$108,994
93	273		ALCOHOL RESEARCH PROGRAMS	Research and Development	\$108,994	\$124,632,148				N		\$31,655
93	273		ALCOHOL RESEARCH PROGRAMS	Research and Development	φ817,200	JIZ4,03Z,148	ř			IN		\$31,000
93	433		ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT LIVING, AND REHABILITATION RESEARCH	Research and Development	\$2,391,180	\$124,632,148	Y			N		-\$756
			ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT									
93	433		LIVING, AND REHABILITATION RESEARCH	Research and Development	\$2,391,180	\$124,632,148	Y			Y	\$30,500	\$532,714
			ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT									
93	433		LIVING, AND REHABILITATION RESEARCH	Research and Development	\$2,391,180	\$124,632,148	Y			Ν		\$187,263
			ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT									
93	433		LIVING, AND REHABILITATION RESEARCH	Research and Development	\$2,391,180	\$124,632,148	Y			Ν		\$157,471
93	433		ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT LIVING, AND REHABILITATION RESEARCH	Research and Development	\$2,391,180	\$124,632,148	Y			Ν		\$361,050
93	433		ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT LIVING, AND REHABILITATION RESEARCH	Research and Development	\$2,391,180	\$124,632,148				v	\$5,573	
	-00		ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT		φ2,001,100	ψ12+,002,1+0						
93	433		LIVING, AND REHABILITATION RESEARCH	Research and Development	\$2,391,180	\$124,632,148	Y			Ν		\$132,917
55	400			Research and Development	ψ2,001,100	ψ124,002,140				IN IN		φ102,017
93	433		ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT LIVING, AND REHABILITATION RESEARCH	Research and Development	\$2,391,180	\$124,632,148	Y			Ν		\$204,716
			ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT									
93	433		LIVING, AND REHABILITATION RESEARCH	Research and Development	\$2,391,180	\$124,632,148	Y			Y	\$76,924	\$111,994
			ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT								• • • •	
93	433		LIVING, AND REHABILITATION RESEARCH	Research and Development	\$2,391,180	\$124,632,148	Y			Y	\$198	\$84,762
			ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT									
93	433		LIVING, AND REHABILITATION RESEARCH	Research and Development	\$2,391,180	\$124,632,148	Y			N		\$110,984
			ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT									
93	433		LIVING, AND REHABILITATION RESEARCH	Research and Development	\$2,391,180	\$124,632,148	Y			Ν		\$115,112
			ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT									
93	433		LIVING, AND REHABILITATION RESEARCH	Research and Development	\$2,391,180	\$124,632,148	Y			Y	\$10,135	\$274,654
			ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT									
93	433		LIVING, AND REHABILITATION RESEARCH	Research and Development	\$2,391,180	\$124,632,148				Ν		\$352
93	464		ACL ASSISTIVE TECHNOLOGY	Research and Development	\$1,042,448	\$124,632,148	Y			N		\$28,379
			UNIVERSITY CENTERS FOR EXCELLENCE IN									
	000		DEVELOPMENTAL DISABILITIES EDUCATION, RESEARCH,		A C C C C	A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.						
93	632		AND SERVICE	Research and Development	\$689,491	\$124,632,148	Y			Ν		\$63,008

Federal Agency Prefix	ALN Three Digit A Extension	Additional Award Identification	Federal Program Name	Cluster Name	Federal Program Total	Cluster Total	Direct Award		Identifying Number Assigned by the Pass- through Entity, if assigned	Federal Award Passed Through to Subrecipients	Amount Passed Through to Subrecipients	Amount Expended
			UNIVERSITY CENTERS FOR EXCELLENCE IN DEVELOPMENTAL DISABILITIES EDUCATION, RESEARCH,									
93	632		AND SERVICE	Research and Development	\$689,491	\$124,632,148	Y			Ν		\$7,152
			UNIVERSITY CENTERS FOR EXCELLENCE IN	·								
			DEVELOPMENTAL DISABILITIES EDUCATION, RESEARCH,									
93	632		AND SERVICE	Research and Development	\$689,491	\$124,632,148	S Y			Ν		\$619,419
			SPECIAL PROGRAMS FOR THE AGING_TITLE III, PART									
			D_DISEASE PREVENTION AND HEALTH PROMOTION					New York City Department				
93	043		SERVICES	Research and Development	\$36,633	\$124,632,148	N	for the Aging	CT1 125 20201409590	N		\$36,633
			ENVIRONMENTAL PUBLIC HEALTH AND EMERGENCY									
93	070		RESPONSE	Research and Development	\$186,429	\$124,632,148	S N	RTI International	888-16-08-12 PO 65748L	Ν		\$186,429
								University of Pittsburgh of				
93	072		LIFESPAN RESPITE CARE PROGRAM	Research and Development	-\$20,323	\$124,632,148	6 N	the Comlth Sys of Highe	RSG-19-113-01-CCG	N		-\$20,323
								National Jewish Medical and				
93	103		FOOD AND DRUG ADMINISTRATION_RESEARCH	Research and Development	\$28,753	\$124,632,148	N	Research Center	20128191	N		-\$3,293
93	103		FOOD AND DRUG ADMINISTRATION_RESEARCH	Research and Development	\$28,753	\$124,632,148	N N	George Washington	21-MC126	N		\$21,777
93	103		FOOD AND DRUG ADMINISTRATION_RESEARCH	Research and Development	\$28,753	\$124,632,148	S N	University Of Minnesota	N009958008	N		\$10,269
00	110			Descendent of Development	4047040	#404 000 440		University of Pittsburgh of		N		400 00F
93	113		ENVIRONMENTAL HEALTH	Research and Development	\$647,318	\$124,632,148	N	the Comlth Sys of Highe	CNVA00059250	N		\$99,995
00	110			Descendent of Development	4047040	#404 000 440		University of Texas Health	04000050	N		\$00.000
93	113		ENVIRONMENTAL HEALTH	Research and Development	\$647,318	\$124,632,148	5 N	Science Center at Houston PHILADELPHIA REGIONAL	SA0002359	N		\$32,922
00	110			Descerch and Development	¢047.040	¢104 000 140		CENTER FOR CHILDREN'S	DOCE2000400	N		¢4.000
93	113			Research and Development	\$647,318	\$124,632,148		ENVIRONMENTAL HE	P2CES033428	<u> </u>		\$4,692
93	113			Research and Development	\$647,318	\$124,632,148		University of Texas at San	174588/174352	<u> </u>		\$17,511
93	121 121		ORAL DISEASES AND DISORDERS RESEARCH ORAL DISEASES AND DISORDERS RESEARCH	Research and Development	\$1,784,422	\$124,632,148		University of Pennsylvania Boston University	SUBAWARD 575712 4500003205	N		\$3,992 -\$1,393
93 02	121		ORAL DISEASES AND DISORDERS RESEARCH	Research and Development Research and Development	\$1,784,422 \$1,784,422	\$124,632,148 \$124,632,148		University of Pennsylvania	575712	N		-\$1,393 -\$12,679
<u>93</u>	121		ORAL DISEASES AND DISORDERS RESEARCH	Research and Development	\$1,784,422	\$124,632,148		University of Iowa	S03569-01	N		\$63,818
90	121		COMMUNITY PROGRAMS TO IMPROVE MINORITY HEALTH	Research and Development	φ1,704,422	φ124,032,140		Philadelphia Youth Sports	303309-01	IN		ф03,010
03	137		GRANT PROGRAM	Research and Development	-\$15,616	\$124,632,148	N	Collaborative	3080-F21	Ν		-\$3,033
<u>93</u>	145		HIV-RELATED TRAINING AND TECHINCAL ASSISTANCE	Research and Development	\$10,028	\$124,632,148		University of Illinois at	19507	N		\$10,028
30	145			Research and Development	ψ10,020	ψ124,052,140		The University of North	19507	IN		ψ10,020
93	172		HUMAN GENOME RESEARCH	Research and Development	\$280,985	\$124,632,148	N	Carolina at Charlotte	20160806-TEM	N		-\$561
<u>93</u>	172		HUMAN GENOME RESEARCH	Research and Development	\$280,985	\$124,632,148		University of Pittsburgh	AWD00008308 (139555-1)	N		\$66,902
55	172		RESEARCH RELATED TO DEAFNESS AND COMMUNICATION	hesearch and Development	ψ200,000	ψ124,002,140		Oniversity of Philippingh	AWD00000000 (100000-1)	IN .		ψ00,502
93	173		DISORDERS	Research and Development	\$1,696,942	\$124,632,148	N	Boston University	45000002280	Ν		\$93
00	1/0		RESEARCH RELATED TO DEAFNESS AND COMMUNICATION	hesetten and Development	ψ1,000,0 4 2	ψ124,002,140		Regents Univ Of California	4000002200			φ30
93	173		DISORDERS	Research and Development	\$1,696,942	\$124,632,148	N	LA	2020-1248	N		\$65,344
00	1,0		RESEARCH RELATED TO DEAFNESS AND COMMUNICATION	hesedien and bevelopment	φ1,000,0 4 2	ψ12-1,002,1-10			2020 12-0	i v		φ00,044
93	173		DISORDERS	Research and Development	\$1,696,942	\$124,632,148	N	Boston University	4500003960	Ν		\$288,936
00	1/0		RESEARCH RELATED TO DEAFNESS AND COMMUNICATION		φ1,000,0 4 2	ψ12-1,002,1-10		Desten enversity				φ200,000
93	173		DISORDERS	Research and Development	\$1,696,942	\$124,632,148	N	Northeastern University	500800-78050	Ν		\$96,787
	1,0		RESEARCH RELATED TO DEAFNESS AND COMMUNICATION		\$1,000,012	<i>Q12 1,002,110</i>		Northouseon envelocy		, N		<i>\</i> \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
93	173		DISORDERS	Research and Development	\$1,696,942	\$124,632,148	N	Purdue University	11001185-006	Ν		\$87,156
	1,0		RESEARCH RELATED TO DEAFNESS AND COMMUNICATION		¢1,000,012	<i><i><i>q</i>²<i>L</i>,<i><i>q</i>²<i>L</i>,<i>q</i>²<i>L</i></i></i></i>		University of Arkansas for				<i>\\</i>
93	173		DISORDERS	Research and Development	\$1,696,942	\$124,632,148	N	Medical Sciences	56477 - Temple	Ν		\$10,311
	270		RESEARCH RELATED TO DEAFNESS AND COMMUNICATION		¢1,000,012	<i><i><i><i>q</i> 1L 1,002,11</i></i></i>		The Regents of the University	•			<i>\</i>
93	173		DISORDERS	Research and Development	\$1,696,942	\$124,632,148	N	of Michigan	SUBK00019761	Ν		\$27,896
93	200		ADMINISTRATIVE ACTION	Research and Development	\$5,093	\$124,632,148	N	Cerner Corporation	75D30120C08752	N		\$5,093
			RESEARCH AND TRAINING IN COMPLEMENTARY AND	2 or or opinion	+-,000	, ,, , , , , , , , , , , , , , , , 			······································			÷,;;50
93	213		INTEGRATIVE HEALTH	Research and Development	\$957,887	\$124,632,148	N	McLean Hospital	401192	Ν		-\$8,838
-	-		RESEARCH AND TRAINING IN COMPLEMENTARY AND		+++++,007	,,, 10		· · · · · · · · · · · · · · · · · · ·	· ·			+ 2,000
93	213		INTEGRATIVE HEALTH	Research and Development	\$957,887	\$124,632,148	N	NOTA Laboratories LLC	PA-16-302	Ν		\$2
			RESEARCH AND TRAINING IN COMPLEMENTARY AND	2 or or opinion	,,,,	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		The Regents of the University				
93	213		INTEGRATIVE HEALTH	Research and Development	\$957,887	\$124,632,148	N	of California, Berkeley	00011025	Ν		\$21,811
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148	N	University of Pennsylvania	567316/10050438/15135	N		-\$22,142
02	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148	N	Drexel University	800002 / PO#U0213485	N		-\$18,785

Federal Agency	ALN Three Digit	Additional Award			Federal Program		Direct	Name of Passthrough	Identifying Number Assigned by the Pass- through Entity, if	Federal Award Passed Through to	Amount Passed Through to	Amount
Prefix		Identification	Federal Program Name	Cluster Name	Total	Cluster Total	Award	Entity	assigned		Subrecipients	
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148	S N	Administrators of the Tulane Edu Fund	TUL-HSC-555326-17/18	Ν		\$22,734
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148	N	University of North Carolina Chapel Hill	5111512	Ν		\$4,363
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148		Washington University	WU-19-34/WU-21-168-	N		\$30,216
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148		Yale University	GR113110 CON-80003057	Ν		\$805,502
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148	N	University of Pennsylvania	1RO1-MH-128155-02/	Ν		\$346,001
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148		Brown University	00001818	Ν		\$25,913
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148	S N	Drexel University	2R01MH110360-06/ PO#	N		\$231,734
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148	N	Texas Biomedical Research Institute Research Foundation for	22-05010-101	N		\$31,004
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148	N	Mental Hygiene, Inc.	P.O. 158236	Ν		\$70,776
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148	1	Drexel University	900252	N		\$33,915
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148		Administrators of the Tulane Edu Fund		N		\$7,848
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148	N	Ohio State University	SPC-1000012032	N		\$208,600
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148	N	University of Pennsylvania	585776	Ν		\$20,399
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148	N	Joan&Sanford I. Weill Medical College of Cornell	234271	Ν		\$19,655
93	242		MENTAL HEALTH RESEARCH GRANTS	Research and Development	\$7,637,560	\$124,632,148	S N	Joan&Sanford I. Weill Medical College of Cornell	227898	Ν		\$15,032
93	262		OCCUPATIONAL SAFTEY AND HEALTH PROGRAM	Research and Development	\$165,613	\$124,632,148	N	Drexel University	1 R210H011740-01-00	N		\$372
93	262		OCCUPATIONAL SAFTEY AND HEALTH PROGRAM	Research and Development	\$165,613	\$124,632,148	N	University of Pittsburgh	AWD00004787 (136999-4)	Ν		\$71,891
93	273		ALCOHOL RESEARCH PROGRAMS	Research and Development	\$817,206	\$124,632,148	N N	New York University	5P01AA027057-02/ PO #	N		\$2,305
93 93	273 273		ALCOHOL RESEARCH PROGRAMS ALCOHOL RESEARCH PROGRAMS	Research and Development Research and Development	\$817,206 \$817,206	\$124,632,148 \$124,632,148		Sanford Research North University Of Toledo	CY21-022-TU F-2023-16	N N		\$85,892 \$286,481
93	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148		Yale University	GR109734 (CON-80002396)	N		\$98,458
93	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148	N N	Rand Corporation	SCON-00000312	N		\$26,923
93	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148	8 N	Legal Science Partners, LLC	2016-1	Ν		\$923
93	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148	N	Florida International	800006849-01UG	Ν		-\$26,449
93	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148		University of South Carolina Fox Chase Chemical	Subaward No. 17-3378	<u>N</u>		\$33,908
93	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148		Diversity Center Inc.	R41DA047169 - TMPL	N		-\$22,273
93	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148	S N	Rand Corporation	SUB# SCON-00000143	Ν		-\$1
93	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148	N	Regents of the University Of Michigan	SUBK00008373 PO# 3005195830	Ν		\$7,127
93	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148		Mebias Discovery LLC	1UG3DA047700-01	N		\$8,587
93	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148	N	Seton Hall University	TU00010	N		-\$400
93	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148		Brown University	00001461	Ν		\$220,569
93	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148	N	University of Tennessee	Subaward A20-0184-S002	N		\$69,346
93	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148		George Mason University	E2051111	N		-\$1,011
93 93	279 279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development Research and Development	\$12,353,267 \$12,353,267	\$124,632,148 \$124,632,148	1	Brown University Fannin Partners	00001670 FPTU001	<u>N</u>		\$5,795 \$103
93	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148	N N	Creative Bio-Peptides	2R44DA050349-02	N		\$20,290
93	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148	N N	Washington University	WU-22-0215	N		\$117,979
93	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148	N	Praeventix, L.L.C.	A2020-221-002	Ν		\$71,228
								Joan&Sanford I. Weill				.
93	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148		Medical College of Cornell	215225-1	<u>N</u>		\$57,185
৩৩	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148	S N	Brown University Regents of the University Of	00002168	<u>N</u>		\$33,303
93	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148	N	Michigan University Of North Carolina	3007581222	Ν		\$165,810
93	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148	N	at Greensboro	A23-0059-S001	Ν		\$38,329
93	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148		Yale University	CON-80004854	Ν		\$13,141
93	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148		Georgia State University	SP00015818-01	Ν		\$412,806
93	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148		Georgia State University	SP00016236-02	Ν		\$22,940
93	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	Research and Development	\$12,353,267	\$124,632,148	N	Praeventix, L.L.C.	1R44DA055443-01A1	Ν		-\$2,489

Federal Agency Prefix	ALN Three Digit Extension	Additional Award Identification	Federal Program Name	Cluster Name	Federal Program Total	Cluster Total	Direct Award		Identifying Number Assigned by the Pass- through Entity, if assigned	Federal Award Passed Through to Subrecipients	Amount Passed Through to Subrecipients	Amount Expended
93	286		DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICA INNOVATIONS TO IMPROVE HUMAN HEALTH	L Research and Development	\$190,202	\$124,632,148	N	Regents of the University Of Michigan	SUBK00010811/ PO# 3006521301	N		\$28,497
93	286		DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICA INNOVATIONS TO IMPROVE HUMAN HEALTH	L Research and Development	\$190,202	\$124,632,148	N	National Institutes of Health	A009800501	N		\$141,076
93	307		MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH	Research and Development	\$1,685,287	\$124,632,148	N	Florida State University	R02116	Ν		\$91,868
93	307		MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH	Research and Development	\$1,685,287	\$124,632,148	N	Benten Technologies, Inc	NIMHD-TUH-09-2021	N		\$14,807
93	307		MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH	Research and Development	\$1,685,287	\$124,632,148	N	Trustees of the Univ of PA	584949	Ν		\$23,682
93	307		MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH	Research and Development	\$1,685,287	\$124,632,148	N	Fox Chase Cancer Center	1522000 YEAR_01	N		\$9,069
93	307 310		MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH	Research and Development Research and Development	\$1,685,287 \$1,080,858	\$124,632,148		Fox Chase Cancer Center University of Pittsburgh of the Comlth Sys of Highe	1519500 1OT2OD026554-01/0060736- 130543	N		\$10,376 \$6,698
93	310		TRANS-NIH RESEARCH SUPPORT	Research and Development	\$1,080,858	\$124,632,148	N	National Alliance Against Disparities in Patient Health	RF00250-2022-0048 / 2021-	N		\$69,876
93	310		TRANS-NIH RESEARCH SUPPORT	Research and Development	\$1,080,858	\$124,632,148	N	University of Pennsylvania University of Arkansas for	PO 4884998	<u>N</u>		\$19,521
93 93	310 310		TRANS-NIH RESEARCH SUPPORT TRANS-NIH RESEARCH SUPPORT	Research and Development Research and Development	\$1,080,858 \$1,080,858	\$124,632,148 \$124,632,148	N N	Medical Sciences University Of Massachusetts		N N		\$11,961 \$13,487
93 93	310 323		TRANS-NIH RESEARCH SUPPORT EPIDEMOLOGY AND LABORATORY CAPACITY FOR INFECTIOUS DISEASES (ELC)	Research and Development Research and Development	\$1,080,858 \$17,293	\$124,632,148 \$124,632,148	N	Asian Community Health City of Philadelphia	Asian CHESI- Temple	N		\$35,000 \$17,293
93	350		NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES	Research and Development	-\$145,063	\$124,632,148	N	Duke University	WBSE	Ν		\$27,232
93	350 361		NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES NURSING RESEARCH	Research and Development Research and Development	-\$145,063 -\$2,730	\$124,632,148 \$124,632,148	N	University of Alabama at Birmingham East Carolina University	000518169-001 AWD-21-0749-S002	N		-\$172,295 -\$2,730
93 93	393		CANCER CAUSE AND PREVENTION RESEARCH	Research and Development	\$728,581	\$124,632,148	N	Fox Chase Cancer Center	1515200	N		\$131,687
93	393		CANCER CAUSE AND PREVENTION RESEARCH	Research and Development	\$728,581	\$124,632,148	N	Fox Chase Cancer Center The Regents of the University		Ν		\$12,577
93	393 393		CANCER CAUSE AND PREVENTION RESEARCH	Research and Development Research and Development	\$728,581 \$728,581	\$124,632,148 \$124,632,148	N	of California University of Pittsburgh of the Comlth Sys of Highe	12051SC AWD00003953	N		\$11,915 \$372,634
93 93	393		CANCER CAUSE AND PREVENTION RESEARCH	Research and Development	\$728,581	\$124,632,148	N	Fox Chase Cancer Center	1R01CA262551-01A1	N		\$4,924
93	393		CANCER CAUSE AND PREVENTION RESEARCH	Research and Development	\$728,581	\$124,632,148	Ν	Ohio State University	SPC-1000006684 GR127426			\$12,509
93	393		CANCER CAUSE AND PREVENTION RESEARCH	Research and Development	\$728,581	\$124,632,148	N	Virginia Commonwealth	UNKNOWN	<u>N</u>		\$50,702
93 93	394 394		CANCER DETECTION AND DIAGNOSIS RESEARCH CANCER DETECTION AND DIAGNOSIS RESEARCH	Research and Development Research and Development	\$141,459 \$141,459	\$124,632,148 \$124,632,148	N N	University Of Minnesota University of Pennsylvania	P009745403 588782	N		\$23,919 \$26,787
93	395		CANCER TREATMENT RESEARCH	Research and Development	\$1,306,478	\$124,632,148	N	Dupont Children's Hospital	3009778018 Temple	N		\$210
93	395		CANCER TREATMENT RESEARCH	Research and Development	\$1,306,478	\$124,632,148	N	Fox Chase Cancer Center	1518800 Yr 01	Ν		\$32,502
93	395		CANCER TREATMENT RESEARCH	Research and Development	\$1,306,478	\$124,632,148	N	Fox Chase Cancer Center	1520100 YR 01	N		\$7,305
93 93	396 396		CANCER BIOLOGY RESEARCH CANCER BIOLOGY RESEARCH	Research and Development Research and Development	\$1,476,275 \$1,476,275	\$124,632,148 \$124,632,148	N N	University of Pennsylvania University of Pennsylvania University of Pittsburgh of	574290 579383	N N		\$17,083 \$13,242
93	396		CANCER BIOLOGY RESEARCH	Research and Development	\$1,476,275	\$124,632,148	N	the Comlth Sys of Highe	AWD00003405 (135524-1)	Ν		\$58,921
93	396 306		CANCER BIOLOGY RESEARCH	Research and Development	\$1,476,275 \$1,476,275	\$124,632,148	N	University of Pennsylvania	584574	N		\$66,077 \$101,288
93	396		CANCER BIOLOGY RESEARCH	Research and Development	\$1,476,275	\$124,632,148	N	Fox Chase Cancer Center Coriell Institute For Medical	1519800 Yr 01	N		\$191,388
93	396		CANCER BIOLOGY RESEARCH	Research and Development	\$1,476,275	\$124,632,148	N	Research	A24-0006-S001	Ν		\$2,097
93	397		CANCER CENTERS SUPPORT GRANTS	Research and Development	\$1,715,648	\$124,632,148		Fox Chase Cancer Center	5P30CA006927-53 51164-02	Ν		-\$98
93	397		CANCER CENTERS SUPPORT GRANTS	Research and Development	\$1,715,648	\$124,632,148	N	Fox Chase Cancer Center	FCCC12301-54, NIH	Ν		\$15
93	397		CANCER CENTERS SUPPORT GRANTS	Research and Development	\$1,715,648	\$124,632,148	N	Fox Chase Cancer Center	FCCC# 15134-03	N		-\$22,095
93	397		CANCER CENTERS SUPPORT GRANTS	Research and Development	\$1,715,648	\$124,632,148	N	Fox Chase Cancer Center	7918000	N		\$27,733 \$24,704
সুহ	397		CANCER CENTERS SUPPORT GRANTS	Research and Development	\$1,715,648	\$124,632,148	N	Fox Chase Cancer Center	PROJECT # 7918100, Yr. 1	N		\$34,704

Federal Agency Prefix	ALN Three Digit Extension	Additional Award Identification	l Federal Program Name	Cluster Name	Federal Program Total	Cluster Total	Direct Award		Identifying Number Assigned by the Pass- through Entity, if assigned	Through to	Amount Passed Through to Subrecipients	Amount Expended
			STRENGTHENING PUBLIC HEALTH SYSTEMS AND SERVICES									
			THROUGH NATIONAL PARTNERSHIPS TO IMPROVE AND					The Task Force For Global				
93	421		PROTECT THE NATION'S HEALTH	Research and Development	\$499,451	\$124,632,148	N	Health	PO# 5280	Ν		\$18,455
			STRENGTHENING PUBLIC HEALTH SYSTEMS AND SERVICES					National Association of				
			THROUGH NATIONAL PARTNERSHIPS TO IMPROVE AND					County and City Health				
93	421		PROTECT THE NATION'S HEALTH	Research and Development	\$499,451	\$124,632,148	N	Officials	2022-121504	N		\$121,277
			STRENGTHENING PUBLIC HEALTH SYSTEMS AND SERVICES					National Association of				
<u></u>	404		THROUGH NATIONAL PARTNERSHIPS TO IMPROVE AND		\$ 100 151	\$404,000,440		County and City Health	0000 404707			# 400.000
93	421		PROTECT THE NATION'S HEALTH STRENGTHENING PUBLIC HEALTH SYSTEMS AND SERVICES	Research and Development	\$499,451	\$124,632,148	N	Officials National Association of	2023-101707	Ν		\$180,982
			THROUGH NATIONAL PARTNERSHIPS TO IMPROVE AND					County and City Health				
02	421		PROTECT THE NATION'S HEALTH	Possarch and Dovelopment	¢400.451	\$124,632,148	N	Officials	5NU38OT000306-04-01	Ν		\$20,000
93	421		STRENGTHENING PUBLIC HEALTH SYSTEMS AND SERVICES	Research and Development	\$499,451	φ124,032,148		Unicials	51103801000306-04-01	IN		\$20,000
			THROUGH NATIONAL PARTNERSHIPS TO IMPROVE AND					Association of State and				
93	421		PROTECT THE NATION'S HEALTH	Research and Development	\$499,451	\$124,632,148	N	Territorial Health Officials	Project 83-FE-2047-04-00	Ν		-\$14,453
55	421		NON-ACA/PPHF—Building Capacity of the Public Health	Research and Development	ψ+33,431	ψ124,002,140		Territonal Treatin Onicials	110jeet 00-1 E-2047-04-00	IN .		-ψ14,400
			System to Improve Population Health through National									
93	424		Nonprofit Organizations	Research and Development	\$35,502	\$124,632,148	N	ChangeLab Solutions	MSA0078-2	Ν		\$116
			NON-ACA/PPHF—Building Capacity of the Public Health		<i> </i>	<i>Q12 ()002,1 (0</i>						
			System to Improve Population Health through National									
93	424		Nonprofit Organizations	Research and Development	\$35,502	\$124,632,148	N	ChangeLab Solutions	CDC7045-0-0078-1	Ν		\$3,341
			NON-ACA/PPHF—Building Capacity of the Public Health		1 /							
			System to Improve Population Health through National									
93	424		Nonprofit Organizations	Research and Development	\$35,502	\$124,632,148	N	ChangeLab Solutions	CDC7053-0078-1	Ν		\$32,045
			ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT									
93	433		LIVING, AND REHABILITATION RESEARCH	Research and Development	\$2,391,180	\$124,632,148	N	University Of Minnesota	A005198601	Ν		\$12,776
			ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT									
93	433		LIVING, AND REHABILITATION RESEARCH	Research and Development	\$2,391,180	\$124,632,148	N	ChangeLab Solutions	CDC7046-0-0078-1	N		\$4,624
			ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT									
93	433		LIVING, AND REHABILITATION RESEARCH	Research and Development	\$2,391,180	\$124,632,148	S N	University Of Minnesota	A007250506	Ν		\$11,564
02	400		ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT	Personal and Douglapment	<u> </u>	¢104 600 140		Live and Learn Society	265017 Tomplo	N		¢110
93	433		LIVING, AND REHABILITATION RESEARCH	Research and Development	\$2,391,180	\$124,632,148	N	Live and Learn Society	265917-Temple	N		-\$110
			ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT					University of Illinois at				
93	433		LIVING, AND REHABILITATION RESEARCH	Research and Development	\$2,391,180	\$124,632,148	N	Chicago	18246	Ν		\$752
30	455		EIVING, AND REHADIEITATION RESEARCH	Research and Development	φ2,591,100	φ124,032,140		Chicago	10240	IN		φ75Z
			ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT									
93	433		LIVING, AND REHABILITATION RESEARCH	Research and Development	\$2,391,180	\$124,632,148	N	University Of South Florida	5820-1333-02-A	Ν		\$12,875
					+_,,	<i> </i>						<i> </i>
			ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT									
93	433		LIVING, AND REHABILITATION RESEARCH	Research and Development	\$2,391,180	\$124,632,148	N	University Of Massachusetts	SUB00000434	Ν		\$47,919
							1	•				
			ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT									
93	433		LIVING, AND REHABILITATION RESEARCH	Research and Development	\$2,391,180	\$124,632,148	N	Drexel University	900358- Temple	Ν		\$21,974
93	558		TEMPORARY ASSISTANCE FOR NEEDY FAMILIES	Research and Development	\$206,835	\$124,632,148	N	Philadelphia Works	YT19-132	Ν		\$155
			Developmental Disabilities Basic Support and Advocacy					Pennsylvania				
93	630		Grants (A)	Research and Development	\$291,486	\$124,632,148	N	Developmental Disabilities	4100095019	N		\$38,242
			Developmental Disabilities Basic Support and Advocacy					Pennsylvania				
93	630		Grants (A)	Research and Development	\$291,486	\$124,632,148	N	Developmental Disabilities	4100095815	N		\$64,130
			Developmental Disabilities Basic Support and Advocacy	n · · · -	A	1	_	Pennsylvania	10.00			4 -
93	630		Grants (A)	Research and Development	\$291,486	\$124,632,148	N	Developmental Disabilities	19-22	N		\$22,773
02	620		Developmental Disabilities Basic Support and Advocacy	Desseret and Development	#004 400	¢101000110		Pennsylvania Department of	410000000	N I		#40.000
93	630		Grants (A)	Research and Development	\$291,486	\$124,632,148	S N	Human Services	4100096085	N		\$12,892
03	630		Developmental Disabilities Basic Support and Advocacy Grants (A)	Research and Development	\$291,486	\$124,632,148	N	Pennsylvania Developmental Disabilities	1100005005	Ν		¢17 600
30	000		Grants (A)		φ∠ઝ1,480	ψ124,032,148	'I IN	Developmental Disabilities	-100030330	IN		\$17,683

Federal Agency		Additional Award	1		Federal Program		Direct	Name of Passthrough	Identifying Number Assigned by the Pass- through Entity, if	Federal Award Passed Through to	Amount Passed Through to	Amount
Prefix	Extension	Identification	Federal Program Name	Cluster Name	Total	Cluster Total	Award		assigned		Subrecipients	Expended
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148	B N	COPD Foundation, Inc.	UNKNOWN	Ν		\$5,962
								Regents of the University Of				
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148		Michigan	UNKNOWN	Y	\$390,500	
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148	B N	Massachusetts General University of Nebraska	224838	N		\$35,971
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148	B N	Medical Center	34-5237-2025-003	Ν		-\$3,329
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148		University of Iowa	W000962445	N		\$2,184
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148		Massachusetts General	230744	N		\$6,358
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148	B N	University of Iowa	SBA20180713	Ν		\$4,301
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148	B N	Thomas Jefferson University	1R41GM142406-01A1	Ν		-\$332
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148	3 N	University of Pennsylvania	Subaward # 575288	Ν		-\$838
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148	B N	University Of Colorado	FCCC NO. 2406200	N		\$157,658
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148	B N	The Miriam Hospital	7147164	N		-\$3,164
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148	3 N	University of Pennsylvania	PO 5098672, 579313	<u> </u>		\$335,262
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148		Purdue University	SP00015791-01	<u>N</u>		\$25,742 \$20,725
93 93	837 837		CARDIOVASCULAR DISEASES RESEARCH CARDIOVASCULAR DISEASES RESEARCH	Research and Development Research and Development	\$8,880,370 \$8,880,370	\$124,632,148 \$124,632,148		University of Louisville Thomas Jefferson University	ULRF19-0985-02 SUBAWARD 080-31050-	N		\$20,725 \$22,917
93 93	837		CARDIOVASCOLAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148		University of Pennsylvania	581905	N		\$16,382
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148	_	University of Pittsburgh	AWD00004507 (136765-1)	N		\$69,542
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148	-	University of South Carolina		N		\$58,093
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148		University of Pennsylvania	10081092	Ν		\$113,999
				·				University of Alabama at				
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148	B N	Birmingham	000538895-SC001	Ν		\$8,889
								University of Alabama at				
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148	B N	Birmingham	00538896-SC001	Ν		\$4,568
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148		National Institutes of Health	AWD00004314 (137168-48A)			\$7,814
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148		Duke University	UNKNOWN	N		\$266,873
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148		Duke University	UNKNOWN	N		\$175,447
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148		Duke University	UNKNOWN	<u> </u>		\$424,904
93	837 837		CARDIOVASCULAR DISEASES RESEARCH CARDIOVASCULAR DISEASES RESEARCH	Research and Development Research and Development	\$8,880,370 \$8,880,370	\$124,632,148 \$124,632,148	S N	Duke University Fox Chase Cancer Center	UNKNOWN 1521000 YR 01 NEW	N		\$455,613 \$271,642
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148		Massachusetts General	243119	N		\$271,642
55	007		CANDIOVASCOLAN DISLASES RESEARCH	hesearch and Development	ψ0,000,070	ψ124,002,140		Beth Israel Deaconess	245115	IN		ψ0,412
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148	3 N	Medical Center	GRT65498 CRISP-AS Temple	Ν		\$2,888
93	837		CARDIOVASCULAR DISEASES RESEARCH	Research and Development	\$8,880,370	\$124,632,148		Massachusetts General	235136	N		\$63,067
93	838		LUNG DISEASES RESEARCH	Research and Development	\$1,390,676	\$124,632,148	_	National Jewish Health	20072309	Ν		-\$2,431
93	838		LUNG DISEASES RESEARCH	Research and Development	\$1,390,676	\$124,632,148		Mayo Clinic	UNKNOWN	Ν		\$5,389
								University of Pittsburgh of				
93	838		LUNG DISEASES RESEARCH	Research and Development	\$1,390,676	\$124,632,148	B N	the Comlth Sys of Highe	9012549 (128373-11)	Ν		-\$10,279
								Regents of the University Of				
93	838		LUNG DISEASES RESEARCH	Research and Development	\$1,390,676	\$124,632,148	B N	Michigan	SUBK00013404	N		\$11,833
								University of Pittsburgh of				
93	838		LUNG DISEASES RESEARCH	Research and Development	\$1,390,676		-	the Comlth Sys of Highe	UNKNOWN	N		\$10,859
93	838		LUNG DISEASES RESEARCH	Research and Development	\$1,390,676	\$124,632,148	B N	New York University	OT2HL156812	N		\$17,985
02	838		LUNG DISEASES RESEARCH	Research and Development	\$1,390,676	\$124,632,148	3 N	Joan&Sanford I. Weill Medical College of Cornell	192243-6	N		¢16 705
93	030		LUNG DISEASES RESEARCH	Research and Development	\$1,390,070	φ124,032,14 0		University of Alabama at	192243-0	IN		\$16,795
93	838		LUNG DISEASES RESEARCH	Research and Development	\$1,390,676	\$124,632,148	8 N	Birmingham	2P01HL114470-06	Ν		-\$18,853
93	838		LUNG DISEASES RESEARCH	Research and Development	\$1,390,676	\$124,632,148		University of Pennsylvania	581435	N		\$1,365
	000				<i>\\\\\\\\\\\\\</i>	<i>Q12</i> 1,002,110		Board of the Leland Stanford		N		¢1,000
93	838		LUNG DISEASES RESEARCH	Research and Development	\$1,390,676	\$124,632,148	B N	Junior University	62346547-131009	Ν		\$46,610
				· · ·				Koronis Biomedical				
93	838		LUNG DISEASES RESEARCH	Research and Development	\$1,390,676	\$124,632,148	B N	Technologies Corp (KBT)	R44HL154932	Ν		\$2,607
								Joan&Sanford I. Weill				
93	838		LUNG DISEASES RESEARCH	Research and Development	\$1,390,676	\$124,632,148	3 N	Medical College of Cornell	220367-8	Ν		-\$22,174
								University of Alabama at				
93	838		LUNG DISEASES RESEARCH	Research and Development	\$1,390,676			Birmingham	000530409-SC003	Ν		\$7,825
93	838		LUNG DISEASES RESEARCH	Research and Development	\$1,390,676	\$124,632,148	B N	University of Pittsburgh	AWD00005597 (418933-1)	Ν		\$8,822

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Print Extramo Description Description Description Subscription Subscrin Subscription Su			Additional Award					Direct	Name of Passtbrough	Assigned by the Pass-	Passed	Passed	Amount	
9 84				Federal Program Name	Cluster Name		Cluster Total		Entity				Expended	
No. All Loc D SMARE HEMARCH Result on Container SUBMARE SUBMARE <thsubmare< th=""> <thsubmare< th=""> <ths< td=""><td>93</td><td>838</td><td></td><td>LUNG DISEASES RESEARCH</td><td>Research and Development</td><td>\$1,390,676</td><td>\$124,632,148</td><td>N</td><td>Medical College of Cornell</td><td>210581-15</td><td>Ν</td><td></td><td>\$172</td></ths<></thsubmare<></thsubmare<>	93	838		LUNG DISEASES RESEARCH	Research and Development	\$1,390,676	\$124,632,148	N	Medical College of Cornell	210581-15	Ν		\$172	
30 49.4 LUD DRAMPS PROPECT Research on Society Provides Actional Provides Actional Society Provides Actional Pro	93	838		LUNG DISEASES RESEARCH	Research and Development	\$1,390,676	\$124,632,148	N	Medical College of Cornell	226628-15	Ν		\$10,520	
III IIII LUMBERSAME Search Research and processment State of contract but solds State of co	93	838		LUNG DISEASES RESEARCH	Research and Development	\$1,390,676	\$124,632,148	N	Medical College of Cornell	915501833	Ν		\$7,027	
19 19 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10%	93	838		LUNG DISEASES RESEARCH	Research and Development	\$1,390,676	\$124,632,148	N	•	SC15-04	Ν		-\$38,986	
No. UNICE UDATASE PERSANCIA Macana hard baselpharent S.L.BECOT D.V.ALCOT No. D.V.ALCOT No.	93	838		LUNG DISEASES RESEARCH	Research and Development	\$1,390,676	\$124,632,148	N	Brigham & Women's	106699	Ν		-\$4,766	
50 98.1 UAD DEDDEDEREDEREDER Presch and Dewisiner 51.00.071 20.00.00000000000000000000000000000000	93	838		LUNG DISEASES RESEARCH	Research and Development	\$1,390,676	\$124,632,148	N	•	10502sc	Ν		\$96,902	
60 83 UN0 DISOSSEREEGNC1 Research and Development 51,200,270 N E2530 N E3530 50 58 UND DISOSSEREEGNC1 Research and Development 51,200,270 N Research and Development 70,3100722350 N 122,27 6 58 UND DISOSSEREEGNC1 Research and Development 51,200,270 N Research and Development 122,27 N 122,47 N Research and Development 122,27 N 122,47 N Research and Development 122,27 N Research and Development 122,47 N N Research and Development 122,27 N Research and De	93	838		LUNG DISEASES RESEARCH	Research and Development	\$1,390,676	\$124,632,148	N	Birmingham	# 000513913-003	Ν		-\$69,788	
50 88.8 LUNE DSEGSER SERGE(1) Resumptional Development 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17.00.70 17	93	838		LUNG DISEASES RESEARCH	Research and Development	\$1,390,676	\$124,632,148	N	Chapel Hill	5125336	Ν		\$3,651	
93 83 LUNG DESCRIPTION Number of the stand of the s	93	838		LUNG DISEASES RESEARCH	Research and Development	\$1,390,676	\$124,632,148	N	Michigan		Ν		\$17,440	
93 0.05 LUNG DEPACES RESPACE Research and Deredgement 1.0.07 1.0.102, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00,	93	838		LUNG DISEASES RESEARCH	Research and Development	\$1,390,676	\$124,632,148	N	Junior University		N		\$12,273	
93 83 LUN DERASES RESEARCH Research and Development 1,10,00,74 23,26,22,24 N N Defending Object Mail Second Mail	93	838		LUNG DISEASES RESEARCH	Research and Development	\$1,390,676	\$124,632,148	N	Medical College of Cornell	192243-6	N		\$12,232	
30 8.88 LUND DEFASES RESPECT Personal and Development 51, 360, 70 91, 403, 374, 374 N Number of Montage of Mont	93	838		LUNG DISEASES RESEARCH	Research and Development	\$1,390,676	\$124,632,148	N	Michigan	SUBK00014059	N		\$91,971	
93 93 UNO DISASS RESERACI: Result and Development 91,20,076 92,10,22,20 N Permination 000000000000000000000000000000000000	93	838		LUNG DISEASES RESEARCH	Research and Development	\$1,390,676	\$124,632,148	N	Birmingham	000530409-SC003	Ν		\$36,029	
838 UNCODESASS RESARCH Research and Development \$1,200,076 \$12,42,802,100 N Medical Conlege of Connel 92,0200-81 N \$72,4200,018 93 839 UNKO DISKASS RESARCH Research and Development \$1,300,076 \$124,802,100 N Medical Conlege of Connel 228028-15 N \$530 93 839 UNKO DISKASS RESARCH Research and Development \$1,300,076 \$124,802,100 N University of Medical N \$530,000 \$1,300,076 \$124,802,100 N University of Medical N \$530,000 \$530,000 N	93	838		LUNG DISEASES RESEARCH	Research and Development	\$1,390,676	\$124,632,148	N	Birmingham	000531171-SC001	Ν		\$14,205	
93 838 UNK DISAUSE BUSANCH Research and Development \$1,290,075 \$124,852,48 N Medical Collage of Connel 20202a 15 N A 43 93 838 UNK DISAUSE BUSANCH Research and Development \$1,390,076 \$124,852,148 N Mulencity of Minchigan SUBMODI 5560 N S35,23 93 838 UNK DISAUSE BUSANCH Research and Development \$1,390,076 \$124,852,148 N Mulencity of Minchigan S93090 N S35393 93 838 UNK DISAUSE BUSANCH Research and Development \$1,390,676 \$124,852,148 N Mulencity of Minchigan S35000 N S35393 93 838 UNK DISAUSE BUSANCH Research and Development \$1,390,676 \$124,852,148 N Medical Collage of Camel 21/21/1-5< N S35393 N S35393 93 838 UNK DISEASES RESEARCH Research and Development \$1,390,676 \$124,852,148 N Medical Collage of Camel 21/21/21-5< N Moleshalestic Collage of Camel S32/21/21-5 </td <td>93</td> <td>838</td> <td></td> <td>LUNG DISEASES RESEARCH</td> <td>Research and Development</td> <td>\$1,390,676</td> <td>\$124,632,148</td> <td>N</td> <td>Medical College of Cornell</td> <td>225005-8</td> <td>N</td> <td></td> <td>\$72,491</td>	93	838		LUNG DISEASES RESEARCH	Research and Development	\$1,390,676	\$124,632,148	N	Medical College of Cornell	225005-8	N		\$72,491	
33 6.38 LING DEFASES RESERCH Research and Development 51.390.676 51.24,532.148 N University of Pernsylvania 65530 N 557.25 93 638 LUNG DISEASES RESEARCH Research and Development 51.390.676 512.45.32.148 N Verra Therapeutics, LIC 294.441.149580.02 N \$51.98 93 638 LUNG DISEASES RESEARCH Research and Development \$1.390,676 \$124,632.148 N Verra Therapeutics, LIC 294.441.149580.02 N \$51.98 93 638 LUNG DISEASES RESEARCH Research and Development \$1.390,676 \$124,632.148 N Medical College of Conrell 20178.557 N \$45.955 93 839 BLOOD DISEASES ARD RESOURCES RESEARCH Research and Development \$1.981,460 \$124,452.148 N Medical College of Conrell 20178.576 N \$55.78 93 839 BLOOD DISEASES AND RESOURCES RESEARCH Research and Development \$1.981,460 \$124,452.148 N Medical Center VUNC9220 N \$65.730 93 840 HEART, LUNG, BLOOD DISEASES AND RESOURCES RESEARCH FOR Research and Dev	93	838		LUNG DISEASES RESEARCH	Research and Development	\$1,390,676	\$124,632,148	N		226628-15	Ν		\$433	
33 838 LUNG DISEASES RESEARCH Research and Development \$1,300,676 \$124,632,148 N University of Permsylvania 556830 N \$70,057 33 838 LUNG DISEASES RESEARCH Research and Development \$1,300,676 \$124,632,148 N University of Permsylvania 556830 N \$70,057 33 838 LUNG DISEASES RESEARCH Research and Development \$1,330,676 \$124,632,148 N Medical Colleging of Connell 271,615 N \$454,595 33 838 LUNG DISEASES RESEARCH Research and Development \$1,330,676 \$124,632,148 N Medical Colleging of Connell 271,015 N \$454,595 34 839 BLOOD DISEASES AND RESOURCES RESEARCH Research and Development \$1,981,450 \$124,632,148 N Research and Development \$1,981,450 \$124,632,148 N Case Western Reserve FES51,6676 N \$157,177 39 839 BLOOD DISEASES AND RESOURCES RESEARCH FOR \$124,632,148 N Nedicular Targefing MTIIIIs7,303,01 N	93	838		LUNG DISEASES RESEARCH	Research and Development	\$1,390,676	\$124,632,148	N	University of Michigan	SUBK00015660	Ν		\$36,583	
33 838 LUN0 DISEASES RESEARCH Research and Development \$1,390,676 \$124,827,148 N Verral Therapeutics, LLC 2444H14368-0.02 N \$13,19,485 33 838 LUN0 DISEASES RESEARCH Research and Development \$1,390,676 \$124,682,148 N M Mon85amfCH Weil N \$253,657 \$124,682,148 N M Mon85amfCH Weil \$1,390,676 \$124,682,148 N Conflet Instatute on Medical College of Consul \$1,491,4149580-02 N \$1,51,51 30 839 BLOOD DISEASES AND RESOURCES RESEARCH Research and Development \$1,391,450 \$124,682,148 N Medical Contege of Consul N \$1,300,676 \$124,682,148 N Medical Contege of Consul N \$1,300,676 \$124,682,148 N Medical Contege of Consul \$1,300,676 \$124,682,148 N Medical Contege of Consul \$1,300,417 \$12,682,148 \$	93	838		LUNG DISEASES RESEARCH	Research and Development	\$1,390,676	\$124,632,148	Ν	University of Pittsburgh	AWD00007357420053	Ν		\$36,212	
Bit Bit <td>93</td> <td>838</td> <td></td> <td>LUNG DISEASES RESEARCH</td> <td>Research and Development</td> <td>\$1,390,676</td> <td>\$124,632,148</td> <td>Ν</td> <td>University of Pennsylvania</td> <td>585830</td> <td>Ν</td> <td></td> <td>\$70,563</td>	93	838		LUNG DISEASES RESEARCH	Research and Development	\$1,390,676	\$124,632,148	Ν	University of Pennsylvania	585830	Ν		\$70,563	
33 838 LUNG DISEASES RESEARCH Research and Development \$1,390,676 \$124,632,148 N COPD Foundation. Inc. 2144H1145980-02 N \$2,15 93 839 BLOOD DISEASES AND RESOURCES RESEARCH Research and Development \$1,961,450 \$124,632,148 N Research A22-0003-8001 N \$17,10 93 839 BLOOD DISEASES AND RESOURCES RESEARCH Research and Development \$1,981,450 \$124,632,148 N Research A22-0003-8001 N \$17,10 93 839 BLOOD DISEASES AND RESOURCES RESEARCH Research and Development \$1,981,450 \$124,632,148 N Research N \$24,632,149 N Corleal Institute For Medical 93 840 HEART, LUNG, BLOOD DISEASES AND RESEARCH FOR N Medical Center VUNC \$2320 N \$48,71 93 840 HEART, LUNG, BLOOD DISEASES AND SILEEP DISORDERS Research and Development \$51,182 \$124,632,148 N N N \$24,75 93 840 HEART, LUNG, BLOOD DISEASES AND SILEEP DISORDERS Research and Development \$1,094,41 \$124,632,148 N N	93	838		LUNG DISEASES RESEARCH	Research and Development	\$1,390,676	\$124,632,148	N		2R44HL149580-02	Ν		\$119,486	
93 839 BLOOD DISEASES AND RESOURCES RESEARCH Research and Development \$1,981,450 \$124,632,148 N Research A22-0003-S001 N \$17,10 93 639 BLOOD DISEASES AND RESOURCES RESEARCH Research and Development \$1,981,450 \$124,632,148 N Research N \$\$2,573 93 839 BLOOD DISEASES AND RESOURCES RESEARCH Research and Development \$1,981,450 \$124,632,148 N Molecular Targeting MTITI67303-01 N \$\$2,42,42,448 93 840 HEART, LUNG, BLOOD DISEASES AND RESEPRICH FOR Vanderbilt University Vanderbilt University Vanderbilt University Vanderbilt University N \$\$4,9,71 93 840 HEART, LUNG, BLOOD DISEASES RAND SLEEP DISORDERS Research and Development \$\$1,182 \$124,632,148 N Medical Center VUIMC 92320 N \$\$4,9,71 93 840 HEART, LUNG, BLOOD DISEASES AND SLEEP DISORDERS Research and Development \$\$1,182 \$124,632,148 N University of Pennsylvania 1-R01+HL-153735-01 N \$\$2,47 93 846 RESEARCH Research and Development \$1,099,414 <td>93</td> <td></td> <td></td> <td></td> <td>Research and Development</td> <td></td> <td></td> <td>Ν</td> <td></td> <td>231781-5</td> <td>Ν</td> <td></td> <td>\$45,959</td>	93				Research and Development			Ν		231781-5	Ν		\$45,959	
33 839 BLOOD DISEASES AND RESOURCES RESEARCH Research and Development \$1,981,450 \$124,632,148 N Case Western Reserve RESS16976 N \$15,778 93 839 BLOOD DISEASES AND RESOURCES RESEARCH Research and Development \$1,981,450 \$124,632,148 N Molecular Targeting MTI167303-01 N \$\$2,41 93 840 HEART, LUNG, BLOOD DISEASES AND RESEARCH FOR Research and Development \$\$1,182 \$124,632,148 N Medical Center Vanderbilt University Vanderbilt University N \$48,71 TRANSLATION AND IMPLEMENTATION RESEARCH FOR Research and Development \$51,182 \$124,632,148 N Medical Center VUNC 92320 N \$48,71 TRANSLATION AND IMPLEMENTATION RESEARCH FOR Research and Development \$1,182 \$124,632,148 N University of Pennsylvania 1.R01-HL-153735.01 N \$2,47 Safe Add Research and Development \$1,99,414 \$124,632,148 N University of Pennsylvania 1.R01-HL-153735.01 N \$2,47 Safe Add Research and Development \$1,99,414 \$124,632,148	93	838		LUNG DISEASES RESEARCH	Research and Development	\$1,390,676	\$124,632,148	N		2R44HL149580-02	N		\$2,158	
93 839 BLOOD DISEASES AND RESOURCES RESEARCH Research and Development \$1,881,450 \$124,632,148 N Molecular Targeting MTTI167303-01 N \$32,41 93 840 HEART, LUNG, BLOOD DISEASES AND SLEEP DISORDERS Research and Development \$51,182 \$124,632,148 N Molecular Targeting MTTI167303-01 N \$32,41 93 840 HEART, LUNG, BLOOD DISEASES AND SLEEP DISORDERS Research and Development \$51,182 \$124,632,148 N Medical Center VUMC 92320 N \$48,71 93 840 HEART, LUNG, BLOOD DISEASES AND SLEEP DISORDERS Research and Development \$51,182 \$124,632,148 N University of Pennsylvania 1-R01-HL-153735-01 N \$2,47 93 840 RESEARCH Research and Development \$1,099,414 \$124,632,148 N University of California, San University of California, San University of California, San 3002366 12033868 N \$27,55 93 846 RESEARCH Research and Development \$1,099,414 \$124,632,148 N Diage \$9003266 12033868 N \$27,55 93	93			BLOOD DISEASES AND RESOURCES RESEARCH	Research and Development	\$1,981,450		N	Research	A22-0003-S001	Ν		\$17,109	
93 840 TRANSLATION AND IMPLEMENTATION RESEARCH FOR HEART, LUNG, BLOOD DISEASES AND SLEEP DISORDERS Research and Development \$51,182 \$124,632,148 N Vanderbilt University Medical Center VUMC 92320 N \$54,87.1 93 840 HEART, LUNG, BLOOD DISEASES AND SLEEP DISORDERS Research and Development \$51,182 \$124,632,148 N Medical Center VUMC 92320 N \$64,77.1 93 840 HEART, LUNG, BLOOD DISEASES AND SLEEP DISORDERS Research and Development \$51,182 \$124,632,148 N University of Pennsylvania 1-R01-HL-153735-01 N \$62,47.1 93 846 RESEARCH Research and Development \$1,099,414 \$124,632,148 N Tutts Medical Center 5011938-SERV N \$52,755 93 846 RESEARCH Research and Development \$1,099,414 \$124,632,148 N Diego \$9002366 120233868 N \$27,55 93 846 RESEARCH Research and Development \$1,099,414 \$124,632,148 N Praeventix, LLC. \$184,4081768-01 N \$27,55 93 846 RESEARCH Research and Developmen	93				· · ·			N			N		\$15,783	
TRANSLATION AND IMPLEMENTATION RESEARCH FOR 93 840 HEART, LUNG, BLOOD DISEASES AND SLEEP DISORDERS Research and Development \$51,182 \$124,632,148 N University of Pennsylvania 1-R01-HL-153735-01 N \$2,47 93 846 RESEARCH Research and Development \$1,099,414 \$124,632,148 N Tutersity of Pennsylvania 1-R01-HL-153735-01 N \$2,47 93 846 RESEARCH Research and Development \$1,099,414 \$124,632,148 N Tutersity of Pennsylvania 1-R01-HL-153735-01 N \$2,47 93 846 RESEARCH Research and Development \$1,099,414 \$124,632,148 N Tutersity of California, San 93 846 RESEARCH Research and Development \$1,099,414 \$124,632,148 N Praeventix, L.L.C. 1R43AR081768-01 N \$27,55 93 846 RESEARCH Research and Development \$1,099,414 \$124,632,148 N Praeventix, L.L.C. 1R43AR081768-01 N \$66 93 846 RESEARCH Research and Development \$1,099,414 \$124,632,148 N University of	93	839			Research and Development	\$1,981,450	\$124,632,148	N		MTT167303-01	Ν		\$32,418	
93840HEART, LUNG, BLOOD DISEASES AND SLEEP DISORDERSResearch and Development\$51,182\$124,632,148NUniversity of Pennsylvania1-R01-HL-153735-01N\$2,4793846RESEARCHResearch and Development\$1,099,414\$124,632,148NTufts Medical Center5011938-SERVN<63,55	<td>93</td> <td>840</td> <td></td> <td>HEART, LUNG, BLOOD DISEASES AND SLEEP DISORDERS</td> <td>Research and Development</td> <td>\$51,182</td> <td>\$124,632,148</td> <td>N</td> <td>Medical Center</td> <td>VUMC 92320</td> <td>N</td> <td></td> <td>\$48,712</td>	93	840		HEART, LUNG, BLOOD DISEASES AND SLEEP DISORDERS	Research and Development	\$51,182	\$124,632,148	N	Medical Center	VUMC 92320	N		\$48,712
93846RESEARCHResearch and Development\$1,099,414\$124,632,48NTufts Medical Center5011938-SERVNNState\$593846RESEARCHResearch and Development\$1,099,414\$124,632,148NDiegoS9002366120233868N\$27,5593846RESEARCHResearch and Development\$1,099,414\$124,632,148NPreventix, L.L.C.1R43AR081768-01N\$6\$27,5593846RESEARCHResearch and Development\$1,099,414\$124,632,148NPreventix, L.L.C.1R43AR081768-01N\$6\$693846RESEARCHResearch and Development\$1,099,414\$124,632,148NUniversity of QueenslandRM2021002676N\$6\$693846RESEARCHResearch and Development\$1,099,414\$124,632,148NUniversity of QueenslandRM2021002676N\$6\$693847RESEARCHResearch and Development\$5,478,501\$124,632,148NNNichiganSUBK0012108N\$193847RESEARCHResearch and Development\$5,478,501\$124,632,148NNNichiganSUBK0012108N\$193847RESEARCHRESEARCHResearch and Development\$5,478,501\$124,632,148NNNichiganSUBK0012108N\$193847RESEARCHRESEARCHResearch and Development\$5,478,501\$124		93	840		HEART, LUNG, BLOOD DISEASES AND SLEEP DISORDERS	Research and Development	\$51,182	\$124,632,148	N	University of Pennsylvania	1-R01-HL-153735-01	Ν		\$2,470
93846RESEARCHResearch and Development\$1,099,414\$124,632,148NDiego\$9002366 120233868N\$27,5593846RESEARCHResearch and Development\$1,099,414\$124,632,148NPraeventix, L.L.C.1R43AR081768-01N\$6693846RESEARCHResearch and Development\$1,099,414\$124,632,148NPraeventix, L.L.C.1R43AR081768-01N\$6693846RESEARCHResearch and Development\$1,099,414\$124,632,148NUniversity of QueenslandRM2021002676N\$36,0493847RESEARCHResearch and Development\$5,478,501\$124,632,148NMichiganSUBK0012108N\$1293847RESEARCHResearch and Development\$5,478,501\$124,632,148NMichiganSUBK0012108N\$1293847RESEARCHResearch and Development\$5,478,501\$124,632,148NMichiganSUBK0012108N\$1293847RESEARCHResearch and Development\$5,478,501\$124,632,148NMichiganSUBK0012108N\$1293847RESEARCHRESEARCHResearch and Development\$5,478,501\$124,632,148NMichiganSUBK0012108N\$1293847RESEARCHRESEARCHRESEARCHRESEARCHRESEARCH\$12\$12\$12\$12\$12\$12\$12\$12\$12\$12\$12 <td< td=""><td>93</td><td>846</td><td></td><td>RESEARCH</td><td>Research and Development</td><td>\$1,099,414</td><td>\$124,632,148</td><td>N</td><td></td><td>5011938-SERV</td><td>N</td><td></td><td>-\$51</td></td<>		93	846		RESEARCH	Research and Development	\$1,099,414	\$124,632,148	N		5011938-SERV	N		-\$51
93846RESEARCHResearch and Development\$1,099,414\$124,632,148NPraeventix, L.L.C.1R43AR081768-01N\$6693846ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES846NUniversity of QueenslandRM2021002676N\$36,0493846RESEARCHResearch and Development\$1,099,414\$124,632,148NUniversity of QueenslandRM2021002676N\$36,0493847RESEARCHResearch and Development\$5,478,501\$124,632,148NMichiganSUBK0012108N\$124,012,01293847RESEARCHResearch and Development\$5,478,501\$124,632,148NMichiganSUBK0012108N\$124,012,01293847DIABETES, DIGESTIVE, AND KIDNEY DISEASE SEXTRAMURALFFFFFF94DIABETES, DIGESTIVE, AND KIDNEY DISEASE SEXTRAMURALFFFFFF95DIABETES, DIGESTIVE, AND KIDNEY DISEASE SEXTRAMURALFFFFF96FFFFFFFF97BIABETES, DIGESTIVE, AND KIDNEY DISEASE SEXTRAMURALFFFFF98FFFFFFFF99FFFFFFFF99FFFFFFFF99FFFFFFF <td>93</td> <td>846</td> <td></td> <td>RESEARCH</td> <td>Research and Development</td> <td>\$1,099,414</td> <td>\$124,632,148</td> <td>N</td> <td>-</td> <td>S9002366 120233868</td> <td>Ν</td> <td></td> <td>\$27,559</td>		93	846		RESEARCH	Research and Development	\$1,099,414	\$124,632,148	N	-	S9002366 120233868	Ν		\$27,559
93846RESEARCHResearch and Development\$1,099,414\$124,632,148NUniversity of QueenslandRM2021002676N\$36,04DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURALFree of the University of the U	93	846		RESEARCH	Research and Development	\$1,099,414	\$124,632,148	N	Praeventix, L.L.C.	1R43AR081768-01	Ν		\$660	
93 847 RESEARCH Research and Development \$5,478,501 \$124,632,148 N Michigan SUBK00012108 N \$12 DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL JIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL 5000000000000000000000000000000000000	93	846		RESEARCH	Research and Development	\$1,099,414	\$124,632,148	N		RM2021002676	Ν		\$36,047	
	93	847		RESEARCH	Research and Development	\$5,478,501	\$124,632,148	N	0	SUBK00012108	Ν		\$127	
	93	847		· · · ·	Research and Development	\$5,478,501	\$124,632,148	N	University of Michigan	3002818064	Ν		\$259	

Federal Agency Prefix	ALN Three Digit Extension	Additional Award Identification	Federal Program Name	Cluster Name	Federal Program Total	Cluster Total	Direct Award	Name of Passthrough Entity	Identifying Number Assigned by the Pass- through Entity, if assigned	Federal Award Passed Through to Subrecipients	Amount Passed Through to Subrecipients	Amount Expended
93	847		DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	Research and Development	\$5,478,501	\$124,632,148	N	University of Pennsylvania	566608	Ν		-\$4,317
			DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL						SUB NO. 572041;			
93	847		RESEARCH DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL	Research and Development	\$5,478,501	\$124,632,148	N	University of Pennsylvania	PO#3913597	N		-\$3,245
93	847		RESEARCH	Research and Development	\$5,478,501	\$124,632,148	N	Emory University	A158740, PO A690559	Ν		\$13,955
	017		DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL		<i>\\\\\\\\\\\\\</i>	¢12 1,002,1 10		Translational Genomics				<i>\</i>
93	847		RESEARCH	Research and Development	\$5,478,501	\$124,632,148	N	Research Institute (TGEN)	DISTEFANO-19-01	Y	\$3,209	\$183,019
			DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL					Trustees of Columbia				
93	847		RESEARCH DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL	Research and Development	\$5,478,501	\$124,632,148	N	University In The City of New University of Alabama at	GG011642-04 5R01DK108438-05	N		\$1,132
93	847		RESEARCH	Research and Development	\$5,478,501	\$124,632,148	N	Birmingham	000509533-009	N		-\$599
50	047		DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL	nescaren ana Development	ψ0,470,001	ψ124,002,140		Dimingham	0000000000000	IN IN		φ000
93	847		RESEARCH	Research and Development	\$5,478,501	\$124,632,148	N	University of Pennsylvania	582552	Ν		\$45,661
			DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL					The Children's Hospital of	GRT-00000222/PO#			
93	847		RESEARCH	Research and Development	\$5,478,501	\$124,632,148	N	Philadelphia	20265644	N		\$4,562
02	847		DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	Research and Development	\$5,478,501	\$124,632,148	N	University of Pennsylvania	576045	Ν		-\$5,680
93	647		DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL	Research and Development	\$5,478,501	\$124,032,148		University of Perinsylvania	376043	IN		-\$5,680
93	847		RESEARCH	Research and Development	\$5,478,501	\$124,632,148	N	University of Pennsylvania	576045	Ν		-\$12,772
			DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL	•		. , ,		, ,				
93	847		RESEARCH	Research and Development	\$5,478,501	\$124,632,148	N	University of Louisville	ULRF_21-0699-02	Ν		\$16,040
			DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL					The Pennsylvania State				
93	847		RESEARCH DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL	Research and Development	\$5,478,501	\$124,632,148	N	University	1R01DK132953-01	Ν		\$18,796
93	847		RESEARCH	Research and Development	\$5,478,501	\$124,632,148	N	University of Pennsylvania	586986	Ν		\$53,720
55	047		DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL		ψ3,470,301	ψ124,002,140		Washington University	300300	IN IN		ψ00,720
93	847		RESEARCH	Research and Development	\$5,478,501	\$124,632,148	N	School of Medicine in St.	P30DK092950	Ν		\$3,848
			DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL									
93	847		RESEARCH	Research and Development	\$5,478,501	\$124,632,148	N	Augusta University	36350-22	Ν		\$12,476
02	0.47		DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL	Desseration and Development	¢E 470 E01	¢104 000 140	N	Lartford Lloopital	100 400 Tomplo	N		¢0,500
93	847		RESEARCH DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL	Research and Development	\$5,478,501	\$124,632,148	N	Hartford Hospital	126403-Temple	N		\$2,530
93	847		RESEARCH	Research and Development	\$5,478,501	\$124,632,148	N	University Of Massachusetts	SUB00000407	Ν		\$17,550
	-		EXTRAMURAL RESEARCH PROGRAMS IN THE		· · · · · · ·	, , , , , ,						
93	853		NEUROSCIENCES AND NEUROLOGICAL DISORDERS	Research and Development	\$7,795,032	\$124,632,148	N	University Of Cincinnati	UNKNOWN	Ν		\$961
			EXTRAMURAL RESEARCH PROGRAMS IN THE									
93	853		NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE	Research and Development	\$7,795,032	\$124,632,148	N	University Of Cincinnati	1U01NS095869-01	N		\$4,584
93	853		NEUROSCIENCES AND NEUROLOGICAL DISORDERS	Research and Development	\$7,795,032	\$124,632,148	N	Regents of the University Of Michigan	SUBK9083CSPR #001	V	\$122,500	\$104,346
50	000		EXTRAMURAL RESEARCH PROGRAMS IN THE	nescaren ana Development	ψ7,700,002	ψ124,002,140		Regents of the University Of		•	ψ122,000	φ104,040
93	853		NEUROSCIENCES AND NEUROLOGICAL DISORDERS	Research and Development	\$7,795,032	\$124,632,148	N	Michigan	SUBK00008528	Υ	\$34,000	\$34,004
			EXTRAMURAL RESEARCH PROGRAMS IN THE						Subaward No. 011266-			
93	853		NEUROSCIENCES AND NEUROLOGICAL DISORDERS	Research and Development	\$7,795,032	\$124,632,148	N	University of Cincinnati	135714	N		\$44,675
00	050		EXTRAMURAL RESEARCH PROGRAMS IN THE	Desservels and Devision ment		¢104 000 140	N		Subaward No. 011337-	N		¢10.040
93	853		NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE	Research and Development	\$7,795,032	\$124,632,148	N	University Of Cincinnati	135714	N		\$18,349
93	853		NEUROSCIENCES AND NEUROLOGICAL DISORDERS	Research and Development	\$7,795,032	\$124,632,148	N	University Of Cincinnati	012044-135714	Ν		\$1,231
			EXTRAMURAL RESEARCH PROGRAMS IN THE					, , , , , , , , , , , , , , , , , , ,				
93	853		NEUROSCIENCES AND NEUROLOGICAL DISORDERS	Research and Development	\$7,795,032	\$124,632,148	N	University Of Cincinnati	012043-135714	Ν		\$14,773
			EXTRAMURAL RESEARCH PROGRAMS IN THE		1			Regents of the University Of				
93	853		NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE	Research and Development	\$7,795,032	\$124,632,148	N	Michigan	SUBK00014507	Y	\$14,400	\$14,400
93	853			Research and Development	\$7,795,032	\$124,632,148	N	University of Michigan	SUBK00017295	V	\$4,000	\$2,947
	500		EXTRAMURAL RESEARCH PROGRAMS IN THE		ψ7,700,002	Ψ12 7 ,002,140			555K0001/200	•	φ-+,000	Ψ ∠ , 34 7
93	853		NEUROSCIENCES AND NEUROLOGICAL DISORDERS	Research and Development	\$7,795,032	\$124,632,148	N	University Of Cincinnati	012765-135714	Ν		\$14,151
			EXTRAMURAL RESEARCH PROGRAMS IN THE									
93	853		NEUROSCIENCES AND NEUROLOGICAL DISORDERS	Research and Development	\$7,795,032	\$124,632,148	N	University Of Cincinnati	013934-135714	Ν		\$9,116

Federal Agency Prefix	ALN Three Digit Additional Av Extension Identificati	on Federal Program Name	Cluster Name	Federal Program Total	Cluster Total	Direct Awarc	\sim	Identifying Number Assigned by the Pass- through Entity, if assigned	Through to	Amount Passed Through to Subrecipients	Amount Expended
93	853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	Research and Development	\$7,795,032	\$124,632,148	3 N	University Of Cincinnati	013888-135714	Ν		\$21,520
		EXTRAMURAL RESEARCH PROGRAMS IN THE		+ , ,	· · · · - · · · · · · · · · · · · ·						+,
93	853	NEUROSCIENCES AND NEUROLOGICAL DISORDERS	Research and Development	\$7,795,032	\$124,632,148	3 N	University Of Cincinnati	015151-135714	Ν		\$11,366
93	853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	Research and Development	\$7,795,032	\$124,632,148	3 N	Dignity Health St. Joseph's Hospital and Medical Center	r Temple33144	Ν		\$192,612
		EXTRAMURAL RESEARCH PROGRAMS IN THE		+ ,,	· · · · - · · · · · · · · · · · · ·						+) - <u></u>
93	853	NEUROSCIENCES AND NEUROLOGICAL DISORDERS	Research and Development	\$7,795,032	\$124,632,148	3 N	KannaLife Sciences, Inc.	KLS2-01	N		\$63,043
93	853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	Research and Development	\$7,795,032	\$124,632,148	3 N	Northwestern University	60061958 TU	Ν		\$139,391
55	000	EXTRAMURAL RESEARCH PROGRAMS IN THE	Research and Development	ψ7,700,002	ψ124,002,140		Regents of the University Of	0000133010	IN IN		ψ100,001
93	853	NEUROSCIENCES AND NEUROLOGICAL DISORDERS	Research and Development	\$7,795,032	\$124,632,148	3 N	Michigan	SUBK00018268	Ν		\$4,125
02	853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	Dessered and Development	Φ7 705 000	¢104 600 140	3 N	The Children's Hospital of Philadelphia	GRT-00002928 PO#	Ν		¢45.061
93	800	EXTRAMURAL RESEARCH PROGRAMS IN THE	Research and Development	\$7,795,032	\$124,632,148		Philadelphila	20463501	IN		\$45,061
93	853	NEUROSCIENCES AND NEUROLOGICAL DISORDERS	Research and Development	\$7,795,032	\$124,632,148	3 N	Thomas Jefferson University	080-19250-S09104	Ν		\$32,227
		EXTRAMURAL RESEARCH PROGRAMS IN THE					The University of Texas at				
93	853 855	NEUROSCIENCES AND NEUROLOGICAL DISORDERS ALLERGY AND INFECTIOUS DISEASES RESEARCH	Research and Development Research and Development	\$7,795,032 \$9,832,940	\$124,632,148 \$124,632,148		Arlington Institute for Clinical	2022GC0864 M16-TE-040-0705-1	<u>N</u>		\$25,919 \$4,620
95	000	ALLERGT AND INFECTIOUS DISEASES RESEARCH	Research and Development	φ9,032,940	φ124,032,140		Benaroya Research Institute		IN		φ4,020
93	855	ALLERGY AND INFECTIOUS DISEASES RESEARCH	Research and Development	\$9,832,940	\$124,632,148	3 N	At Virginia Mason	FY22ITN547	Ν		\$487
93	855	ALLERGY AND INFECTIOUS DISEASES RESEARCH	Research and Development	\$9,832,940	\$124,632,148		New York University	PO#M180121795	N		-\$2
93	855	ALLERGY AND INFECTIOUS DISEASES RESEARCH	Research and Development	\$9,832,940	\$124,632,148	3 N	Massachusetts General	227111	Ν		-\$535
93	855	ALLERGY AND INFECTIOUS DISEASES RESEARCH	Research and Development	\$9,832,940	\$124,632,148	3 N	University of California	9884SC	Ν		\$6,172
93	855	ALLERGY AND INFECTIOUS DISEASES RESEARCH	Research and Development	\$9,832,940	\$124,632,148	3 N	Yale University	GR109238 (CON-80002355)	Ν		-\$14,813
							Board of Trustees of				
93	855	ALLERGY AND INFECTIOUS DISEASES RESEARCH	Research and Development	\$9,832,940	\$124,632,148	-	Michigan State Univ	RC110226TU	N		\$2,351
93	855	ALLERGY AND INFECTIOUS DISEASES RESEARCH	Research and Development	\$9,832,940	\$124,632,148		Drexel University	940009	N		\$3,996
93	855	ALLERGY AND INFECTIOUS DISEASES RESEARCH	Research and Development	\$9,832,940	\$124,632,148		Yale University The University of Texas	CON-80003596/GR115963	<u>N</u>		\$28,114
93	855	ALLERGY AND INFECTIOUS DISEASES RESEARCH	Research and Development	\$9,832,940	\$124,632,148	3 N	Medical Branch at Galvestor	1 22-85692-04	Ν		\$53,951
93	855	ALLERGY AND INFECTIOUS DISEASES RESEARCH	Research and Development	\$9,832,940	\$124,632,148	_	Seattle Children's Hospital	12854SUB	Ν		\$168,688
							The Salk Institute for				
93	855	ALLERGY AND INFECTIOUS DISEASES RESEARCH	Research and Development	\$9,832,940	\$124,632,148		Biological Studies	A17-0059-S003	Ν		\$123,017
93	855	ALLERGY AND INFECTIOUS DISEASES RESEARCH	Research and Development	\$9,832,940	\$124,632,148		Vironika LLC	ZT2-R43AI167400-TU	N		\$64,641
93	855 855	ALLERGY AND INFECTIOUS DISEASES RESEARCH ALLERGY AND INFECTIOUS DISEASES RESEARCH	Research and Development	\$9,832,940	\$124,632,148		Fox Chase Cancer Center	1519200 Yr 01 New 6745-Temp	N		\$159,112
93 93	859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING	Research and Development Research and Development	\$9,832,940 \$4,835,752	\$124,632,148 \$124,632,148		Albany Medical College Seattle Children's Hospital	12634SUB	<u>N</u>		\$39,304 -\$2,772
93	859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING	Research and Development	\$4,835,752	\$124,632,148	_	George Mason University	E2052931	N		\$1,546
93	859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING	Research and Development	\$4,835,752	\$124,632,148	-	The Pennsylvania State	S001457-DHHS	N		-\$3,656
93	859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING	Research and Development	\$4,835,752	\$124,632,148		Fox Chase Cancer Center	15168-01	Ν		\$85,388
93	859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING	Research and Development	\$4,835,752	\$124,632,148	3 N	CFD Research Corporation	000002979	Ν		\$40,942
							Rutgers The State University				
93	859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING	Research and Development	\$4,835,752	\$124,632,148		Of New Jersey	SUB00002457	N		\$258,675
93	859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING	Research and Development	\$4,835,752	\$124,632,148	3 N	AIMLOXY LLC	1R41GM142406-01A1	Ν		\$115,990
93	859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING	Research and Development	\$4,835,752	\$124,632,148	3 N	The Research Foundation of the State University of New	CM00011253-00	Ν		\$6,758
93	860	EMERGING INFECTIONS SENTINEL NETWORKS	Research and Development	\$16,629	\$124,632,148		Olive View UCLA Edu & Res		N		-\$148
93	860	EMERGING INFECTIONS SENTINEL NETWORKS	Research and Development	\$16,629	\$124,632,148		Olive View UCLA Edu & Res	16-26	N		-\$26,974
93	860	EMERGING INFECTIONS SENTINEL NETWORKS	Research and Development	\$16,629	\$124,632,148		Olive View UCLA Edu & Res	#20-39	N		\$3,898
93	860	EMERGING INFECTIONS SENTINEL NETWORKS	Research and Development	\$16,629	\$124,632,148		UCLA Olive View	#22-41	N		\$15,631
93	860	EMERGING INFECTIONS SENTINEL NETWORKS	Research and Development	\$16,629	\$124,632,148	3 N	Olive View UCLA Edu & Res	15-13	Ν		\$1,077
							University of California at				·
93	860	EMERGING INFECTIONS SENTINEL NETWORKS	Research and Development	\$16,629	\$124,632,148	3 N	Los Angeles	1535 G LA045	N		\$23,145
93	865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	Research and Development	\$3,279,294	\$124,632,148	3 N	University of Pennsylvania	574940	Ν		\$21,216
		CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL	Receiver and Development	¥0,270,20 4	Ψ±2→,002,1+0		entrology of remoy wand				ΨΖΙ,ΖΙΟ
	865	RESEARCH	Research and Development	\$3,279,294	\$124,632,148		Colorado State University	G-92849-02	Ν		\$103,209

Federal Agency Prefix	ALN Three Digit Extension	Additional Award Identification	Federal Program Name CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL	Cluster Name	Federal Program Total	Cluster Total	Direct Award	\sim	Identifying Number Assigned by the Pass- through Entity, if assigned	Federal Award Passed Through to Subrecipients	Amount Passed Through to Subrecipients	Amount Expended
93	865		RESEARCH	Research and Development	\$3,279,294	\$124,632,148	B N	RTI International	2-312-0216911-65664L	Ν		\$17,761
93	865		CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	Research and Development	\$3,279,294	\$124,632,148	B N	Recombination Therapeutics, LLC	A2020-470	Ν		\$991
93	865		CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	Research and Development	\$3,279,294	\$124,632,148	B N	University Of Florida	SUB00002354	Ν		-\$1,276
93	865		CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	Research and Development	\$3,279,294	\$124,632,148	B N	INDIANA UNIVERSITY	9272	Ν		\$21,202
93	865		CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	Research and Development	\$3,279,294	\$124,632,148	B N	Widener University	33376-1D	Ν		\$14,631
			CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL					Trustees of Columbia				
93	865		RESEARCH CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL	Research and Development	\$3,279,294	\$124,632,148	B N	University In The City of New The Regents of the University		N		\$663
93	865		RESEARCH	Research and Development	\$3,279,294	\$124,632,148	B N	of California	14152sc	Ν		\$221,505
			CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL					Trustees of Columbia				
93	865		RESEARCH	Research and Development	\$3,279,294	\$124,632,148	B N	University In The City of New	2(GG018819-01)	N		\$3,956
93	865		CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	Research and Development	\$3,279,294	\$124,632,148	8 N	University Of Minnesota	N010478701	Ν		\$52,001
			CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL									
93	865		RESEARCH CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL	Research and Development	\$3,279,294	\$124,632,148	B N	University of Michigan	UNKNOWN	N		\$27,202
93	865		RESEARCH	Research and Development	\$3,279,294	\$124,632,148	N N	Drexel University	910011-910013 - Temple	N		\$9,364
93	866		AGING RESEARCH	Research and Development	\$4,331,183	\$124,632,148	-	The Johns Hopkins	A2020-221-001	N		-\$403
93	866		AGING RESEARCH	Research and Development	\$4,331,183	\$124,632,148	8 N	The Regents of the University of California, Santa Cruz	A18-0719-S001-P0687641	Ν		\$184,053
					\$ 1,001,100	Q12 1,002,110		Regents of the University Of	///////////////////////////////////////	, ,		<i>\</i>
93	866		AGING RESEARCH	Research and Development	\$4,331,183	\$124,632,148	B N	Michigan Regents of the University Of	PO # 3005707773	Ν		-\$1,394
93	866		AGING RESEARCH	Research and Development	\$4,331,183	\$124,632,148	8 N	Michigan	5000019174	Ν		\$8,760
93	866		AGING RESEARCH	Research and Development	\$4,331,183	\$124,632,148		Montclair State University	GR00506	Ν		\$55,636
93	866		AGING RESEARCH	Research and Development	\$4,331,183	\$124,632,148	B N	Ohio University	UT21864	Ν		\$31,630
93	866		AGING RESEARCH	Research and Development	\$4,331,183	\$124,632,148	1	XYKEN, LLC	1R44AG069564-3024V	Ν		\$38,807
93	866		AGING RESEARCH	Research and Development	\$4,331,183	\$124,632,148	B N	The University of Texas at	2109649	N		\$23,934
~~					.			Dignity Health St. Joseph's	T 4000000			\$222
93	866		AGING RESEARCH	Research and Development	\$4,331,183	\$124,632,148		Hospital and Medical Center	•	N		\$220,926
93	866		AGING RESEARCH AGING RESEARCH	Research and Development	\$4,331,183	\$124,632,148		University of Pittsburgh	AWD00008289 (139540-2)	<u>N</u>		\$12,976 \$10,252
93 93	866 867		VISION RESEARCH	Research and Development Research and Development	\$4,331,183 \$378,779	\$124,632,148 \$124,632,148		The Pennsylvania State University of Pennsylvania	S004694-DHHS 581583	N		\$19,253 \$30,256
00								New York university,		N		
93	867		VISION RESEARCH	Research and Development	\$378,779	\$124,632,148		Grossman school of Pennsylvania Office of	22-A1-00-1007131	IN		\$17,391
93	958		Block Grants for Community Mental Health Services (A,B)	Research and Development	\$2,306	\$124,632,148	B N	Mental Health & Substance	4400011166	Ν		\$2,306
93	RD2	NHBLI	NATIONAL INSTITUTES OF HEALTH CONTRACT	Research and Development	\$150	\$124,632,148		University of Alabama at Birmingham	UNKNOWN	Ν		\$150
93		OTA-20-011A	NATIONAL INSTITUTES OF HEALTH CONTRACT	Research and Development	\$130	\$124,632,148		National Jewish Health	UNKNOWN	N		\$130
93		75N92023D00011	NATIONAL INSTITUTES OF HEALTH CONTRACT	Research and Development	\$21,487	\$124,632,148	B N	National Jewish Health	20138701 TEM	N		\$21,487
93		75D30123C17580	NATIONAL INSTITUTES OF HEALTH CONTRACT	Research and Development	\$66,885	\$124,632,148	B N	University of California, San	706542	Ν		\$66,885
93	RD7	75D30123C16626	NATIONAL INSTITUTES OF HEALTH CONTRACT	Research and Development	\$1,182	\$124,632,148		Cerner Corporation Feinstein Institute for	75D30123C16626 500884-TEMPLE/PO	Ν		\$1,182
93	RD8	75N98022C0001	NATIONAL INSTITUES OF HEALTH CONTRACT	Research and Development	\$563,560	\$124,632,148	s N	Medical Research	GRT2300002	N		\$563,560
93		75D30120C08465	CENTER FOR DISEASE CONTROL CONTRACT	Research and Development	\$452,492	\$124,632,148		McKing Consulting	TU-01-4198	N		\$439,342
		RTI 22-312-02 17571			·			Trustees of Columbia				
93		66178	NATIONAL INSTITUES OF HEALTH CONTRACT	Research and Development	\$452,492	\$124,632,148		University In The City of New	OTA-20-011A	Ν		\$13,150
47	041		ENGINEERING GRANTS	Research and Development	\$1,369,106	\$124,632,148				N		\$64,402
47	041		ENGINEERING GRANTS	Research and Development	\$1,369,106	\$124,632,148				N		\$201,067
47	041		ENGINEERING GRANTS	Research and Development	\$1,369,106	\$124,632,148				N		\$8,808
4/	041		ENGINEERING GRANTS	Research and Development	\$1,369,106	\$124,632,148				N		\$130,635
17			ENGINEERING GRANTS	Research and Development	\$1,369,106	\$124,632,148	oj Y			IN		\$47,700

Agency		Additional Award		Olyster News	Federal Program	Oluctor Total		Name of Passthrough	Identifying Number Assigned by the Pass- through Entity, if	Federal Award Passed Through to	Passed Through to	Amount
Prefix	Extension 041	Identification	Federal Program Name ENGINEERING GRANTS	Cluster Name Research and Development	Total \$1,369,106	Cluster Total \$124,632,148	Award	Entity	assigned	Subrecipients	Subrecipients	Expended \$82,978
+7 17	041		ENGINEERING GRANTS	Research and Development	\$1,369,106	\$124,632,148				N		\$124,367
+/ 47	041		ENGINEERING GRANTS	Research and Development	\$1,369,106	\$124,632,148				N		\$88,108
+/ 47	041		ENGINEERING GRANTS	Research and Development	\$1,369,106	\$124,632,148	-			N		\$55,150
47 47	041		ENGINEERING GRANTS	Research and Development	\$1,369,106	\$124,632,148				N		\$40,681
47	041		ENGINEERING GRANTS	Research and Development	\$1,369,106	\$124,632,148				N		\$793
47	041		ENGINEERING GRANTS	Research and Development	\$1,369,106	\$124,632,148				N		\$14,742
47	041		ENGINEERING GRANTS	Research and Development	\$1,369,106	\$124,632,148				Ν		\$32,960
47	041		ENGINEERING GRANTS	Research and Development	\$1,369,106	\$124,632,148				N		\$23,097
47	041		ENGINEERING GRANTS	Research and Development	\$1,369,106	\$124,632,148	Y			Ν		\$3,995
47	041		ENGINEERING GRANTS	Research and Development	\$1,369,106	\$124,632,148	Y			Ν		\$9,538
47	041		ENGINEERING GRANTS	Research and Development	\$1,369,106	\$124,632,148	Y			Ν		\$94,270
47	041		Engineering	Research and Development	\$1,369,106	\$124,632,148	Y			Ν		\$5,532
47	041		Engineering	Research and Development	\$1,369,106	\$124,632,148	Y			Ν		\$9,130
47	041		Engineering	Research and Development	\$1,369,106	\$124,632,148	Y			Ν		\$24,149
47	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148	Y			Ν		-\$2,254
47	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148				N		-\$2,049
47	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148				N		-\$33,584
47	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148				N		-\$13,484
47	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148				N		-\$105
47	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148				N		\$123
47	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148				N		-\$4,565
47	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148				Ŷ	\$4,522	
47	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148				N		-\$708
47	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148				<u>N</u>		-\$28,454
4/	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148	-			<u>N</u>		\$22,978
4/	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148				<u> </u>		-\$6,819
47	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148				<u>N</u>		\$40,004
47	049 049		MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148				IN N		-\$789
47	049		MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development Research and Development	\$2,899,875 \$2,899,875	\$124,632,148 \$124,632,148				N		-\$9,909 \$37,921
+7 17	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148				N		-\$3,948
+/ /7	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148				N		-\$3,340
+/ 47	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148	-			N		\$728
47	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148				N		\$86,867
47	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148	-			N		-\$9,876
47	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148				N		\$6,580
47	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148	-			N		\$111,380
47	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148				N		\$116,438
47	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148	-			N		\$73,448
47	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148				N		\$11,331
47	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148				Ν		\$17,145
47	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148	Y			Ν		\$550
47	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148	Y			Ν		\$53,416
47	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148	Y			Ν		\$71,063
47	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148	Y			Ν		\$10,640
47	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148	Y			Ν		\$116,594
47	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148	Y			Ν		\$58,293
47	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148	Y			Ν		\$85,712
47	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148				Ν		\$47,185
47	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148	-			Ν		\$199,096
47	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148				Ν		\$109,429
47	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148				Ν		\$140,102
47	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148				Ν		\$128,571
47	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148				Ν		\$192,548
47	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148				Ν		\$90,999
47	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148				N		\$109,143
47	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148				N		\$37,221
47	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148	Y			N		\$72,730

Federal Agency	ALN Three Digit	Additional Award			Federal Program		Direct	Name of Passthrough	Identifying Number Assigned by the Pass- through Entity, if	Federal Award Passed Through to	Amount Passed Through to	Amount
Prefix	Extension	Identification	Federal Program Name	Cluster Name	Total	Cluster Total	Award	Entity	assigned	Subrecipients	Subrecipients	Expended
	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148				Ν		\$80,643
	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148				N		\$181,288
	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148				<u>N</u>		\$83,160
	049		MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development Research and Development	\$2,899,875 \$2,899,875	\$124,632,148 \$124,632,148				N		\$182,696 \$31,832
	049		MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148				N		331,832 \$5,592 \$5,592 \$
	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148				N		\$35,730
	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148				N		\$109,857
	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148				N		\$24,381
7	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148				Ν		\$3,446
7	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148				Ν		\$51,534
7	049		MATHEMATICAL AND PHYSICAL SCIENCES	Research and Development	\$2,899,875	\$124,632,148	Y			Ν		\$22,122
7	050		GEOSCIENCES	Research and Development	\$108,847	\$124,632,148	Y			Ν		-\$5,539
7	050		GEOSCIENCES	Research and Development	\$108,847	\$124,632,148	Y			Ν		-\$53,114
7	050		GEOSCIENCES	Research and Development	\$108,847	\$124,632,148	Y			Ν		\$4,110
7	050		GEOSCIENCES	Research and Development	\$108,847	\$124,632,148	Y			Ν		\$16,043
7	050		GEOSCIENCES	Research and Development	\$108,847	\$124,632,148	Y			Y	\$2,270	\$84,147
7	050		GEOSCIENCES	Research and Development	\$108,847	\$124,632,148	Y			Ν		\$893
7	070		COMPUTER AND INFORMATION SCIENCE AND ENGIN	EERING Research and Development	\$2,707,451	\$124,632,148	Y			Ν		-\$10,057
7	070		COMPUTER AND INFORMATION SCIENCE AND ENGIN	EERING Research and Development	\$2,707,451	\$124,632,148	Y			Ν		-\$1,023
7	070		COMPUTER AND INFORMATION SCIENCE AND ENGIN	EERING Research and Development	\$2,707,451	\$124,632,148	Y			Ν		-\$15,802
.7	070		COMPUTER AND INFORMATION SCIENCE AND ENGIN	EERING Research and Development	\$2,707,451	\$124,632,148	Y			Ν		-\$32,645
7	070		COMPUTER AND INFORMATION SCIENCE AND ENGIN	EERING Research and Development	\$2,707,451	\$124,632,148	Y			N		-\$1,525
	070		COMPUTER AND INFORMATION SCIENCE AND ENGIN	· · · · · ·	\$2,707,451	\$124,632,148				N		\$129,050
	070		COMPUTER AND INFORMATION SCIENCE AND ENGIN		\$2,707,451	\$124,632,148				Y	\$56,903	
	070		COMPUTER AND INFORMATION SCIENCE AND ENGIN COMPUTER AND INFORMATION SCIENCE AND ENGIN	· ·	\$2,707,451 \$2,707,451	\$124,632,148				N		\$98,223
	070		COMPUTER AND INFORMATION SCIENCE AND ENGIN		\$2,707,451	\$124,632,148				N		\$59,677
7	070		COMPUTER AND INFORMATION SCIENCE AND ENGIN	EERING Research and Development	\$2,707,451	\$124,632,148	Y			Ν		\$187,691
.7	070		COMPUTER AND INFORMATION SCIENCE AND ENGIN	EERING Research and Development	\$2,707,451	\$124,632,148	Y			N		\$88,894
7	070		COMPUTER AND INFORMATION SCIENCE AND ENGIN	EERING Research and Development	\$2,707,451	\$124,632,148	Y			N		\$26,559
7	070		COMPUTER AND INFORMATION SCIENCE AND ENGIN	EERING Research and Development	\$2,707,451	\$124,632,148	Y			N		\$87,803
	070		COMPUTER AND INFORMATION SCIENCE AND ENGIN		\$2,707,451	\$124,632,148				Ν		\$122,670
	070		COMPUTER AND INFORMATION SCIENCE AND ENGIN	· · · · · ·	\$2,707,451	\$124,632,148				Y	\$84,042	
	070		COMPUTER AND INFORMATION SCIENCE AND ENGIN COMPUTER AND INFORMATION SCIENCE AND ENGIN		\$2,707,451 \$2,707,451	\$124,632,148				<u>ү</u> N	\$57,907	
	070		COMPUTER AND INFORMATION SCIENCE AND ENGIN	· · · · · ·	\$2,707,451	\$124,632,148 \$124,632,148				N		\$118,184 \$137,738
	070		COMPUTER AND INFORMATION SCIENCE AND ENGIN		\$2,707,451	\$124,632,148				N		\$112,244

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 47 074 47 074 47 074 47 074 47 074 47 074 47 075 47 075 47 075 47 075	0 0 0 0 0 0 0 0 0 0 0 0 0 0	COMPUTER AND INFORMATION SCIENCE AND ENGINEERI NATIOAL SCIENCE FOUNDATION CONTRACT NATIOAL SCIENCE FOUNDATION CONTRACT COMPUTER AND INFORMATION SCIENCE AND ENGINEERI COMPUTER AND INFORMATION SCIENCE AND ENGINEERI BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	Research and Development Research and Development ING Research and Development Research and Development Research and Development	\$2,707,451 \$2,707,451 \$2,707,451 \$2,707,451 \$2,707,451 \$2,707,451 \$2,707,451 \$2,707,451 \$2,707,451 \$2,707,451 \$2,707,451 \$2,707,451 \$2,707,451 \$2,707,451 \$2,707,451 \$2,707,451 \$2,707,451 \$2,707,451 \$2,707,451	\$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148	Υ Υ Υ Υ Υ Υ Υ Υ Υ Υ Υ Υ Υ Υ Υ Υ Υ Υ Υ Υ Υ Υ Υ Υ Υ Υ Υ Υ Υ Υ Υ Υ Υ Υ Υ Υ Υ Υ Υ Υ Υ Υ Υ Υ Υ Υ Υ Υ Υ Υ Υ		N N N N Y N N N N N	\$55,144	\$142,058 -\$6,819 \$66,810 \$132,056 \$26,609 \$375,663 \$27,079 \$4,089 \$82,984 \$11,412
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 47 074 47 074 47 074 47 074 47 074 47 074 47 074 47 074 47 075 47 075 47 075	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NATIOAL SCIENCE FOUNDATION CONTRACT COMPUTER AND INFORMATION SCIENCE AND ENGINEERI COMPUTER and Information Science and Engineering COMPUTER AND INFORMATION SCIENCE AND ENGINEERI COMPUTER AND INFORMATION SCIENCE AND ENGINEERI BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	Research and Development ING Research and Development Research and Development Research and Development	\$2,707,451 \$2,707,451 \$2,707,451 \$2,707,451 \$2,707,451 \$2,707,451 \$2,707,451 \$2,707,451 \$2,707,451 \$2,707,451 \$2,707,451 \$2,707,451 \$2,707,451 \$2,707,451 \$2,707,451	\$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148	Υ Υ Υ Υ Υ Υ Υ Υ Υ		N Y N N N N	\$55,144	\$66,810 \$132,056 \$26,609 \$375,663 \$27,079 \$4,089 \$82,984 \$11,412
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47 070 47 070 47 074 47 074 47 074 47 074 47 074 47 074 47 074 47 074 47 074 47 074 47 074 47 074 47 075 47 075 47 075	0 0 4 4 4 4 4 4	COMPUTER AND INFORMATION SCIENCE AND ENGINEERI Computer and Information Science and Engineering BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	ING Research and Development Research and Development Research and Development Research and Development Research and Development Research and Development	\$2,707,451 \$2,707,451 \$605,348 \$605,348	\$124,632,148 \$124,632,148 \$124,632,148	Y Y		Ν		
4707047074470744707447074470744707447074470744707547075	0 4 4 4 4 4	Computer and Information Science and Engineering BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	Research and Development Research and Development Research and Development Research and Development Research and Development	\$2,707,451 \$605,348 \$605,348	\$124,632,148 \$124,632,148	Y				
47 074 47 074 47 074 47 074 47 074 47 074 47 074 47 074 47 074 47 074 47 074 47 074 47 075 47 075 47 075	4 4 4 4	BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	Research and Development Research and Development Research and Development Research and Development	\$605,348 \$605,348	\$124,632,148	Y Y		N I		\$1,948
47 074 47 074 47 074 47 074 47 074 47 074 47 074 47 074 47 074 47 074 47 074 47 075 47 075	4 4 4	BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	Research and Development Research and Development Research and Development	\$605,348		Y		Ν		\$56,761
47 074 47 074 47 074 47 074 47 074 47 074 47 074 47 074 47 074 47 075 47 075 47 075	4 4	BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	Research and Development Research and Development		\$124,632,148			Ν		-\$2,716
47 074 47 074 47 074 47 074 47 074 47 074 47 074 47 075 47 075	4	BIOLOGICAL SCIENCES	Research and Development	\$605,348		Y		Ν		\$84,985
47 074 47 074 47 074 47 074 47 074 47 075 47 075 47 075			•		\$124,632,148	Y		Ν		\$9,130
47 074 47 074 47 074 47 074 47 075 47 075 47 075	4	BIOLOGICAL SCIENCES		\$605,348	\$124,632,148	Y		Ν		\$12,534
47 074 47 074 47 074 47 075 47 075 47 075			Research and Development	\$605,348	\$124,632,148	Y		Ν		\$122,493
47 074 47 074 47 075 47 075 47 075		BIOLOGICAL SCIENCES	Research and Development	\$605,348	\$124,632,148			N		\$56,644
47 074 47 075 47 075 47 075 47 075		BIOLOGICAL SCIENCES	Research and Development	\$605,348	\$124,632,148			N		\$129,861
47 075 47 075 47 075 47 075		BIOLOGICAL SCIENCES	Research and Development	\$605,348	\$124,632,148			N		\$100,443
47 075 47 075			Research and Development	\$605,348	\$124,632,148			<u>N</u>		\$37,235
47 075	5	SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	Research and Development	\$600,819	\$124,632,148	Y		Ν		\$66,415
	5	COMPUTER AND INFORMATION SCIENCE AND ENGINEERI	ING Research and Development	\$600,819	\$124,632,148	Y		Ν		\$13,712
47 075	5	SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	Research and Development	\$600,819	\$124,632,148	Y		Ν		\$87,313
47 075										
		COMPUTER AND INFORMATION SCIENCE AND ENGINEERI		\$600,819	\$124,632,148	Y		N		-\$435
47 075		SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	Research and Development	\$600,819	\$124,632,148	Y		Y	\$30,990	\$170,675
47 075		SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	Research and Development	\$600,819	\$124,632,148			N		-\$14,662
47 075		SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	Research and Development	\$600,819	\$124,632,148			N		\$91,190
47 075		SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	Research and Development	\$600,819	\$124,632,148			N		\$11,864
47 075 47 075		SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	Research and Development Research and Development	\$600,819 \$600,819	\$124,632,148 \$124,632,148			<u>N</u>		\$19,353 \$20,692
47 075		SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	Research and Development	\$600,819	\$124,632,148	T V		N		\$20,092
47 075		SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	Research and Development	\$600,819	\$124,632,148	Y		N		\$93,595
47 076		STEM EDUCATION	Research and Development	\$3,121,596	\$124,632,148			N		-\$118
47 076		STEM EDUCATION	Research and Development	\$3,121,596	\$124,632,148			Ν		\$90,892
47 076		STEM EDUCATION	Research and Development	\$3,121,596	\$124,632,148			N		-\$977
47 076		STEM EDUCATION	Research and Development	\$3,121,596	\$124,632,148			Ν		-\$6,747
47 076	6	STEM EDUCATION	Research and Development	\$3,121,596	\$124,632,148	Y		Ν		\$292,123
47 076		STEM EDUCATION	Research and Development	\$3,121,596	\$124,632,148			N		\$59,080
47 076		STEM EDUCATION	Research and Development	\$3,121,596	\$124,632,148			Ν		\$99,093
47 076		STEM EDUCATION	Research and Development	\$3,121,596	\$124,632,148			Ν		\$56,280
47 076		STEM EDUCATION	Research and Development	\$3,121,596	\$124,632,148			N		\$25,989
47 076	6	STEM EDUCATION	Research and Development	\$3,121,596	\$124,632,148			Y	\$16,396	\$156,980
47 076	<u> </u>	STEM EDUCATION	Research and Development	\$3,121,596	\$124,632,148			N		\$385,029
47 076 47 076		STEM EDUCATION STEM EDUCATION	Research and Development	\$3,121,596	\$124,632,148			Y	\$60,750	\$476,063
4707647076	6		Research and Development Research and Development	\$3,121,596	\$124,632,148 \$124,632,148			N N		\$98,262 \$116,436
47 076 47 076	6 6			\$3,121,596 \$3,121,596	\$124,632,148			N		\$116,436
47 076 47 076	6 6 6	STEM EDUCATION STEM EDUCATION	Research and Development			L 1				

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Agency Prefix D Extended Extended 47 076 47 076 47 076 47 076 47 076 47 076 47 076 47 076 47 076 47 076 47 078 47 083 47 083 47 084 47 041 47 041 47 041 47 041 47 050 47 050 47 050 47 050 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 074	Digit Additional Award Attension Identification Additional Award Additional Award Additional Award Additional Award Additional Award Additional Award Additional Award Additional Award B Additional Award B Additional Award B Additional Award B Additional Award A Additional Award B Additional Award A Additional Award A Additional Award B Additional Award B Additional Award B Additional Award B Additional Award B	Image: Stem EducationSTEM EDUCATIONSTEM EDUCATIONSTEM EDUCATIONSTEM EDUCATIONPOLAR PROGRAMSPOLAR PROGRAMSOFFICE OF INTEGRATIVE ACTIVITIESOFFICE OF INTEGRATIVE ACTIVITIESENGINEERING GRANTSENGINEERING GRANTSENGINEERING GRANTSENGINEERING GRANTSGEOSCIENCESGEOSCIENCESGEOSCIENCESGEOSCIENCESGEOSCIENCESGEOSCIENCESGEOSCIENCESGEOSCIENCESGEOSCIENCESGEOSCIENCESGEOSCIENCESGEOSCIENCES	Research and DevelopmentResearch and Development	Program Total \$3,121,596 \$3,121,596 \$3,121,596 \$3,121,596 \$81,119 \$81,119 \$725,608 \$725,608 \$725,608 \$725,608 \$725,608 \$725,608 \$725,608 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106	\$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148	Award 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 N 3 N 3 N 3 N 3 N 3 N 3 N 3 N	Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity En	through Entity, if assigned Assigned M2103385 SUB0000553 2121-1017-00-A IIP-0855881 2221062	Through to Subrecipients N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N <tr< th=""><th>Through to Subrecipients</th><th>Expended \$54,664 \$17,635 \$48,777 \$338,832 \$69,593 \$11,526 \$63,043 \$38,420 \$245,487 \$378,658 \$224,234 \$158,847 \$73,829 \$67,006 \$57,907 \$41,211 \$149,850</th></tr<>	Through to Subrecipients	Expended \$54,664 \$17,635 \$48,777 \$338,832 \$69,593 \$11,526 \$63,043 \$38,420 \$245,487 \$378,658 \$224,234 \$158,847 \$73,829 \$67,006 \$57,907 \$41,211 \$149,850
Prefix Extended 47 076 47 076 47 076 47 076 47 076 47 076 47 078 47 078 47 083 47 083 47 083 47 084 47 041 47 041 47 041 47 041 47 041 47 041 47 041 47 041 47 041 47 041 47 050 47 050 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 074 <	xtension Identification 6 6 6 6 6 8 8 3 3 3 3 3 3 3 4 4 1 1 1 9 0 0 0 0	Image: Stem EducationSTEM EDUCATIONSTEM EDUCATIONSTEM EDUCATIONSTEM EDUCATIONPOLAR PROGRAMSPOLAR PROGRAMSOFFICE OF INTEGRATIVE ACTIVITIESOFFICE OF INTEGRATIVE ACTIVITIESENGINEERING GRANTSENGINEERING GRANTSENGINEERING GRANTSENGINEERING GRANTSGEOSCIENCESGEOSCIENCESGEOSCIENCESGEOSCIENCESGEOSCIENCESGEOSCIENCESGEOSCIENCESGEOSCIENCESGEOSCIENCESGEOSCIENCESGEOSCIENCESGEOSCIENCES	Research and DevelopmentResearch and Development	Total \$3,121,596 \$3,121,596 \$3,121,596 \$3,121,596 \$3,121,596 \$3,121,596 \$3,121,596 \$81,119 \$81,119 \$725,608 \$725,608 \$725,608 \$725,608 \$725,608 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106	\$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148	Award 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 N 3 N 3 N 3 N 3 N 3 N 3 N 3 N	Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity Entity En	assigned	Subrecipients N N N N N N N N N Y N Y N N N N N N N N N N N N N N N N N N N N N N N N N N N	Subrecipients	Expended \$54,664 \$17,635 \$48,777 \$338,832 \$69,593 \$11,526 \$63,043 \$38,420 \$245,487 \$378,658 \$224,234 \$158,847 \$73,829 \$67,006 \$57,907 \$41,211 \$149,850
47 076 47 076 47 076 47 076 47 078 47 078 47 083 47 083 47 083 47 083 47 084 47 041 47 041 47 041 47 041 47 041 47 041 47 041 47 050 47 050 47 050 47 050 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 074	6 6 6 6 8 8 3 3 3 3 4 4 1 1 1 9 0 0 0 0	STEM EDUCATION STEM EDUCATION STEM EDUCATION STEM EDUCATION POLAR PROGRAMS POLAR PROGRAMS OFFICE OF INTEGRATIVE ACTIVITIES ENGINEERING GRANTS ENGINEERING GRANTS ENGINEERING GRANTS ENGINEERING GRANTS GEOSCIENCES GEOSCIENCES GEOSCIENCES	Research and DevelopmentResearch and Development	\$3,121,596 \$3,121,596 \$3,121,596 \$3,121,596 \$81,119 \$725,608 \$725,608 \$725,608 \$725,608 \$725,608 \$400,835 \$400,835 \$400,835 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106\$1,369,106	\$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148	3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 N 3 N 4 N 5 N 6 N 7 N 8 N 9 N 9 N 9 N 9 N	Texas A&M Research Princeton University University Of South Florida Various Industries INDIANA UNIVERSITY	M2103385 SUB0000553 2121-1017-00-A IIP-0855881 2221062	N N N N N N N Y N N Y N N N N N N N N	\$4,509	\$54,664 \$17,635 \$48,777 \$338,832 \$69,593 \$11,526 \$63,043 \$38,420 \$245,487 \$378,658 \$224,234 \$158,847 \$73,829 \$67,006 \$57,907 \$41,211 \$149,850
47 076 47 076 47 078 47 078 47 083 47 083 47 083 47 083 47 083 47 084 47 084 47 041 47 041 47 041 47 041 47 041 47 041 47 041 47 041 47 041 47 041 47 050 47 050 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 074	6 6 6 8 3 3 3 3 3 3 4 4 1 1 9 0 0 0 0 0	STEM EDUCATION STEM EDUCATION STEM EDUCATION POLAR PROGRAMS POLAR PROGRAMS OFFICE OF INTEGRATIVE ACTIVITIES ENGINEERING GRANTS ENGINEERING GRANTS ENGINEERING GRANTS ENGINEERING GRANTS GEOSCIENCES GEOSCIENCES GEOSCIENCES GEOSCIENCES	Research and DevelopmentResearch and Development	\$3,121,596 \$3,121,596 \$3,121,596 \$81,119 \$81,119 \$725,608 \$725,608 \$725,608 \$725,608 \$725,608 \$400,835 \$400,835 \$400,835 \$400,835 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$2,899,875 \$108,847 \$108,847	\$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148	3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 N 3 N 3 N 3 N 3 N 3 N 3 N 3 N 3 N	Princeton University University Of South Florida Various Industries INDIANA UNIVERSITY	SUB0000553 2121-1017-00-A IIP-0855881 2221062	N N N N Y N N Y N N N N N N N N		\$17,635 \$48,777 \$338,832 \$69,593 \$11,526 \$63,043 \$38,420 \$245,487 \$378,658 \$224,234 \$158,847 \$73,829 \$67,006 \$57,907 \$41,211 \$149,850
47 076 47 078 47 078 47 078 47 083 47 083 47 083 47 083 47 083 47 084 47 041 47 041 47 041 47 041 47 041 47 041 47 041 47 050 47 050 47 050 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 074	6 6 8 8 3 3 3 3 4 4 1 1 1 9 0 0 0 0	STEM EDUCATIONSTEM EDUCATIONPOLAR PROGRAMSPOLAR PROGRAMSOFFICE OF INTEGRATIVE ACTIVITIESOFFICE OF INTEGRATIVE ACTIVITIESENGINEERING GRANTSENGINEERING GRANTSENGINEERING GRANTSENGINEERING GRANTSMATHEMATICAL AND PHYSICAL SCIENCESGEOSCIENCESGEOSCIENCESGEOSCIENCESGEOSCIENCESGEOSCIENCES	Research and DevelopmentResearch and Development	\$3,121,596 \$3,121,596 \$81,119 \$81,119 \$725,608 \$725,608 \$725,608 \$725,608 \$400,835 \$400,835 \$400,835 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106	\$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148	B Y B Y B Y B Y B Y B Y B Y B Y B Y B Y B Y B Y B N B N B N B N B N B N B N	Princeton University University Of South Florida Various Industries INDIANA UNIVERSITY	SUB0000553 2121-1017-00-A IIP-0855881 2221062	N N N N Y N N Y N N N N N N N N		\$48,777 \$338,832 \$69,593 \$11,526 \$63,043 \$38,420 \$245,487 \$378,658 \$224,234 \$158,847 \$73,829 \$67,006 \$57,907 \$41,211 \$149,850
47 076 47 078 47 078 47 083 47 083 47 083 47 083 47 083 47 084 47 084 47 041 47 041 47 041 47 041 47 041 47 041 47 041 47 041 47 041 47 041 47 041 47 050 47 050 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 074	6 8 3 3 3 3 3 3 4 4 1 1 9 0 0 0 0 0	STEM EDUCATIONPOLAR PROGRAMSPOLAR PROGRAMSOFFICE OF INTEGRATIVE ACTIVITIESOFFICE OF INTEGRATIVE ACTIVITIESENGINEERING GRANTSENGINEERING GRANTSENGINEERING GRANTSENGINEERING GRANTSMATHEMATICAL AND PHYSICAL SCIENCESGEOSCIENCESGEOSCIENCESGEOSCIENCESGEOSCIENCESGEOSCIENCES	Research and DevelopmentResearch and Development	\$3,121,596 \$81,119 \$81,119 \$725,608 \$725,608 \$725,608 \$725,608 \$725,608 \$400,835 \$400,835 \$400,835 \$400,835 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106	\$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148	3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 N 3 N 3 N 3 N 3 N 3 N 3 N	Princeton University University Of South Florida Various Industries INDIANA UNIVERSITY	SUB0000553 2121-1017-00-A IIP-0855881 2221062	N N Y N N Y N N N N N N N N		\$338,832 \$69,593 \$11,526 \$63,043 \$38,420 \$245,487 \$378,658 \$224,234 \$158,847 \$73,829 \$67,006 \$57,907 \$41,211 \$149,850
47 078 47 078 47 083 47 083 47 083 47 083 47 083 47 083 47 084 47 041 47 041 47 041 47 041 47 041 47 050 47 050 47 050 47 050 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 47 074	8 8 3 3 3 3 3 4 4 1 1 1 9 0 0 0 0 0	POLAR PROGRAMS POLAR PROGRAMS OFFICE OF INTEGRATIVE ACTIVITIES ENGINEERING GRANTS ENGINEERING GRANTS ENGINEERING GRANTS ENGINEERING GRANTS MATHEMATICAL AND PHYSICAL SCIENCES GEOSCIENCES GEOSCIENCES GEOSCIENCES	Research and DevelopmentResearch and Development	\$81,119 \$81,119 \$725,608 \$725,608 \$725,608 \$725,608 \$400,835 \$400,835 \$400,835 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106	\$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148	3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 Y 3 N 3 N 3 N 3 N 3 N 3 N 3 N 3 N 3 N 3 N 3 N 3 N 3 N 3 N 3 N 3 N 3 N 3 N 3 N 3 N 3 N 3 N 3 N	Princeton University University Of South Florida Various Industries INDIANA UNIVERSITY	SUB0000553 2121-1017-00-A IIP-0855881 2221062	N N Y N N Y N N N N N N N N		\$69,593 \$11,526 \$63,043 \$38,420 \$245,487 \$378,658 \$224,234 \$158,847 \$73,829 \$67,006 \$57,907 \$41,211 \$149,850
47 078 47 083 47 083 47 083 47 083 47 083 47 084 47 084 47 041 47 041 47 041 47 041 47 041 47 041 47 041 47 041 47 041 47 050 47 050 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 074	8 3 3 3 3 4 4 1 1 1 9 0 0 0 0 0 0	POLAR PROGRAMS OFFICE OF INTEGRATIVE ACTIVITIES ENGINEERING GRANTS ENGINEERING GRANTS ENGINEERING GRANTS ENGINEERING GRANTS MATHEMATICAL AND PHYSICAL SCIENCES GEOSCIENCES GEOSCIENCES GEOSCIENCES GEOSCIENCES	Research and DevelopmentResearch and Development	\$81,119 \$725,608 \$725,608 \$725,608 \$725,608 \$400,835 \$400,835 \$400,835 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,08,847 \$108,847	\$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148	B Y B Y B Y B Y B Y B Y B Y B Y B N B N B N B N B N B N B N B N	Princeton University University Of South Florida Various Industries INDIANA UNIVERSITY	SUB0000553 2121-1017-00-A IIP-0855881 2221062	N N Y N N Y N N N N N N N N		\$11,526 \$63,043 \$38,420 \$245,487 \$378,658 \$224,234 \$158,847 \$73,829 \$67,006 \$57,907 \$41,211 \$149,850
47 083 47 083 47 083 47 083 47 083 47 084 47 084 47 084 47 041 47 041 47 041 47 041 47 041 47 050 47 050 47 050 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 47 074	3 3 3 4 4 1 1 1 1 9 0 0 0 0 0 0 0 0 0	OFFICE OF INTEGRATIVE ACTIVITIES OFFICE OF INTEGRATIVE ACTIVITIES ENGINEERING GRANTS ENGINEERING GRANTS ENGINEERING GRANTS ENGINEERING GRANTS MATHEMATICAL AND PHYSICAL SCIENCES GEOSCIENCES GEOSCIENCES GEOSCIENCES	Research and DevelopmentResearch and Development	\$725,608 \$725,608 \$725,608 \$725,608 \$400,835 \$400,835 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106	\$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148	B Y B Y B Y B Y B Y B Y B N B N B N B N B N B N B N B N	Princeton University University Of South Florida Various Industries INDIANA UNIVERSITY	SUB0000553 2121-1017-00-A IIP-0855881 2221062	Y N N Y N N N N N N N		\$63,043 \$38,420 \$245,487 \$378,658 \$224,234 \$158,847 \$73,829 \$67,006 \$57,907 \$41,211 \$149,850
47 083 47 083 47 083 47 084 47 084 47 084 47 041 47 041 47 041 47 041 47 041 47 041 47 041 47 041 47 050 47 050 47 050 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 47 074	3 3 3 4 4 1 1 1 1 1 9 0 0 0 0 0 0 0 0	OFFICE OF INTEGRATIVE ACTIVITIES OFFICE OF INTEGRATIVE ACTIVITIES OFFICE OF INTEGRATIVE ACTIVITIES OFFICE OF INTEGRATIVE ACTIVITIES OFFICE OF INTEGRATIVE ACTIVITIES ENGINEERING GRANTS ENGINEERING GRANTS ENGINEERING GRANTS ENGINEERING GRANTS MATHEMATICAL AND PHYSICAL SCIENCES GEOSCIENCES GEOSCIENCES GEOSCIENCES	Research and DevelopmentResearch and Development	\$725,608 \$725,608 \$725,608 \$400,835 \$400,835 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106	\$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148	B Y B Y B Y B Y B Y B N B N B N B N B N B N B N B N	Princeton University University Of South Florida Various Industries INDIANA UNIVERSITY	SUB0000553 2121-1017-00-A IIP-0855881 2221062	N Y N N N N N N		\$38,420 \$245,487 \$378,658 \$224,234 \$158,847 \$73,829 \$67,006 \$57,907 \$41,211 \$149,850
47 083 47 083 47 084 47 084 47 041 47 041 47 041 47 041 47 041 47 041 47 041 47 050 47 050 47 050 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 47 074	3 3 4 4 1 1 1 1 9 0 0 0 0 0 0 0 0 0 0 0	OFFICE OF INTEGRATIVE ACTIVITIES OFFICE OF INTEGRATIVE ACTIVITIES OFFICE OF INTEGRATIVE ACTIVITIES OFFICE OF INTEGRATIVE ACTIVITIES ENGINEERING GRANTS ENGINEERING GRANTS ENGINEERING GRANTS ENGINEERING GRANTS MATHEMATICAL AND PHYSICAL SCIENCES GEOSCIENCES GEOSCIENCES GEOSCIENCES	Research and DevelopmentResearch and Development	\$725,608 \$725,608 \$400,835 \$400,835 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$2,899,875 \$108,847 \$108,847 \$108,847	\$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148	B Y B Y B Y B Y B N B N B N B N B N B N B N	Princeton University University Of South Florida Various Industries INDIANA UNIVERSITY	SUB0000553 2121-1017-00-A IIP-0855881 2221062	N Y N N N N N N		\$245,487 \$378,658 \$224,234 \$158,847 \$73,829 \$67,006 \$57,907 \$41,211 \$149,850
47 084 47 084 47 041 47 041 47 041 47 041 47 041 47 041 47 041 47 041 47 050 47 050 47 050 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070	4 4 1 1 1 1 9 0 0 0 0 0 0	OFFICE OF INTEGRATIVE ACTIVITIES OFFICE OF INTEGRATIVE ACTIVITIES ENGINEERING GRANTS ENGINEERING GRANTS ENGINEERING GRANTS ENGINEERING GRANTS MATHEMATICAL AND PHYSICAL SCIENCES GEOSCIENCES GEOSCIENCES GEOSCIENCES	Research and DevelopmentResearch and Development	\$400,835 \$400,835 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$2,899,875 \$108,847 \$108,847 \$108,847	\$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148	B Y B Y B N B N B N B N B N B N B N	Princeton University University Of South Florida Various Industries INDIANA UNIVERSITY	SUB0000553 2121-1017-00-A IIP-0855881 2221062	Y N N N N N N	\$4,243	\$378,658 \$224,234 \$158,847 \$73,829 \$67,006 \$57,907 \$41,211 \$149,850
47 084 47 041 47 041 47 041 47 041 47 041 47 041 47 041 47 041 47 041 47 050 47 050 47 050 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070	4 1 1 1 1 9 0 0 0 0 0 0	OFFICE OF INTEGRATIVE ACTIVITIES ENGINEERING GRANTS ENGINEERING GRANTS ENGINEERING GRANTS ENGINEERING GRANTS MATHEMATICAL AND PHYSICAL SCIENCES GEOSCIENCES GEOSCIENCES GEOSCIENCES	Research and DevelopmentResearch and Development	\$400,835 \$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$2,899,875 \$108,847 \$108,847 \$108,847	\$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148	B Y B N B N B N B N B N B N B N	Princeton University University Of South Florida Various Industries INDIANA UNIVERSITY	SUB0000553 2121-1017-00-A IIP-0855881 2221062	N N N N	\$4,243	\$158,847 \$73,829 \$67,006 \$57,907 \$41,211 \$149,850
47 041 47 041 47 041 47 041 47 041 47 041 47 041 47 041 47 050 47 050 47 050 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	1 1 1 9 0 0 0 0 0	ENGINEERING GRANTS ENGINEERING GRANTS ENGINEERING GRANTS MATHEMATICAL AND PHYSICAL SCIENCES GEOSCIENCES GEOSCIENCES GEOSCIENCES GEOSCIENCES	Research and DevelopmentResearch and Development	\$1,369,106 \$1,369,106 \$1,369,106 \$1,369,106 \$2,899,875 \$108,847 \$108,847 \$108,847	\$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148	B N B N B N B N B N B N B N	Princeton University University Of South Florida Various Industries INDIANA UNIVERSITY	SUB0000553 2121-1017-00-A IIP-0855881 2221062	N N N N		\$73,829 \$67,006 \$57,907 \$41,211 \$149,850
47 041 47 041 47 041 47 041 47 049 47 050 47 050 47 050 47 050 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 074 47 074	1 1 9 0 0 0 0 0	ENGINEERING GRANTS ENGINEERING GRANTS ENGINEERING GRANTS MATHEMATICAL AND PHYSICAL SCIENCES GEOSCIENCES GEOSCIENCES GEOSCIENCES GEOSCIENCES	Research and DevelopmentResearch and Development	\$1,369,106 \$1,369,106 \$1,369,106 \$2,899,875 \$108,847 \$108,847 \$108,847	\$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148	B N B N B N B N B N B N B N	Princeton University University Of South Florida Various Industries INDIANA UNIVERSITY	SUB0000553 2121-1017-00-A IIP-0855881 2221062	N N N N		\$67,006 \$57,907 \$41,211 \$149,850
47 041 47 041 47 049 47 050 47 050 47 050 47 050 47 050 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 074 47 074	1 1 9 0 0 0	ENGINEERING GRANTS ENGINEERING GRANTS MATHEMATICAL AND PHYSICAL SCIENCES GEOSCIENCES GEOSCIENCES GEOSCIENCES GEOSCIENCES	Research and Development Research and Development Research and Development Research and Development Research and Development Research and Development Research and Development	\$1,369,106 \$1,369,106 \$2,899,875 \$108,847 \$108,847 \$108,847	\$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148	B N B N B N B N B N B N	University Of South Florida Various Industries INDIANA UNIVERSITY	2121-1017-00-A IIP-0855881 2221062	N N N		\$57,907 \$41,211 \$149,850
47 041 47 049 47 050 47 050 47 050 47 050 47 050 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 074 47 074	1 9 0 0 0 0	ENGINEERING GRANTS MATHEMATICAL AND PHYSICAL SCIENCES GEOSCIENCES GEOSCIENCES GEOSCIENCES GEOSCIENCES	Research and Development Research and Development Research and Development Research and Development Research and Development Research and Development	\$1,369,106 \$2,899,875 \$108,847 \$108,847 \$108,847	\$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148 \$124,632,148	8 N 8 N 8 N 8 N	Various Industries INDIANA UNIVERSITY	IIP-0855881 2221062	N N		\$41,211 \$149,850
47 049 47 050 47 050 47 050 47 050 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 074	9 0 0 0 0	MATHEMATICAL AND PHYSICAL SCIENCES GEOSCIENCES GEOSCIENCES GEOSCIENCES GEOSCIENCES	Research and Development Research and Development Research and Development Research and Development Research and Development	\$2,899,875 \$108,847 \$108,847 \$108,847 \$108,847	\$124,632,148 \$124,632,148 \$124,632,148	3 N 3 N 3 N	INDIANA UNIVERSITY	2221062	Ν		\$149,850
47 050 47 050 47 050 47 050 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 074	0 0 0 0	GEOSCIENCES GEOSCIENCES GEOSCIENCES GEOSCIENCES	Research and Development Research and Development Research and Development Research and Development	\$108,847 \$108,847 \$108,847	\$124,632,148 \$124,632,148	3 N 3 N			N N		
47 050 47 050 47 050 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 074	0 0 0	GEOSCIENCES GEOSCIENCES GEOSCIENCES	Research and Development Research and Development Research and Development	\$108,847 \$108,847	\$124,632,148	3 N	The Pennsylvania State	5858_TH_NSE_803/	Ν		Ac (
47 050 47 050 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 074 47 074	0 0 0	GEOSCIENCES GEOSCIENCES	Research and Development Research and Development	\$108,847			The Formey warna otato	3030-10-1031-0334			\$5,178
47 050 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 074	0	GEOSCIENCES	Research and Development		\$124,632,148		Oregon State University	S2089B-C	Ν		\$11,988
47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 074	0		· ·	\$108,847		3 N	University Of Florida	SUB00001802	Ν		\$38,342
47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 070 47 074	0		· ·	\$108,847			Woods Hole Oceangraphic				
47 070 47 070 47 070 47 070 47 070 47 074 47 074		COMPUTER AND INFORMATION SCIENCE AND ENGINEE	RING Research and Development		\$124,632,148	3 N	Institution	A101623/81236000	Ν		\$6,799
47 070 47 070 47 070 47 070 47 070 47 074 47 074		COMPUTER AND INFORMATION SCIENCE AND ENGINEE	RING Research and Development				University of North Carolina				
47 070 47 070 47 070 47 070 47 074 47 074				\$2,707,451	\$124,632,148	3 N	at Charlotte	Subaward 20190333-01-TEM	Ν		-\$1,611
47 070 47 070 47 070 47 070 47 074 47 074							Texas A&M Research				
47 070 47 070 47 074 47 074	0	COMPUTER AND INFORMATION SCIENCE AND ENGINEE	RING Research and Development	\$2,707,451	\$124,632,148	3 N	Foundation	M2003079	N		-\$799
47 070 47 070 47 074 47 074	-										t a aaa
47 070 47 074 47 074	0	COMPUTER AND INFORMATION SCIENCE AND ENGINEE	RING Research and Development	\$2,707,451	\$124,632,148	3 N	INDIANA UNIVERSITY	9219_TU	N		-\$2,082
47 070 47 074 47 074	0				\$404.000.44		Missississi Otata Ului sauita	000700 000050 04	N		\$44004
47 074 47 074	0	COMPUTER AND INFORMATION SCIENCE AND ENGINEER	RING Research and Development	\$2,707,451	\$124,632,148	3 N	Mississippi State University	060700.363656.01	N		\$44,964
47 074 47 074	0		DINC Desserveh and Development	<u>ቀጋ ጋጋጋ ላይነ</u>	¢104 600 140		University Of South Florida	0101 1010 00 A	N		¢60,699
47 074	0	COMPUTER AND INFORMATION SCIENCE AND ENGINEE	Ring Research and Development	\$2,707,451	\$124,632,148	3 N	University Of South Florida California State University	2121-1013-00-A	N		\$69,688
47 074	Λ	BIOLOGICAL SCIENCES	Possarch and Dovelopment	¢605 249	\$124,632,148	3 N	San Marco	92255/85044-2	Ν		¢062
		BIOLOGICAL SCIENCES	Research and Development Research and Development	\$605,348 \$605,348	\$124,632,148	-	Georgia State University	SP00015791-01	N		\$963 \$43,771
47 074	4	BIOLOGICAL SCIENCES	Research and Development	φ000,346	φ124,032,140		Oxford Circle Christian	3F00013791-01	IN		φ43,771
47 074							Community Development				
4/ 0/4	Λ	BIOLOGICAL SCIENCES	Research and Development	\$605,348	\$124,632,148	3 N	Association	SP00015791-01	Ν		\$10,005
47 075		SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	Research and Development	\$600,819	\$124,632,148		University Of Washington	UXSC8593	N		-\$140
47 075		SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	Research and Development	\$600,819	\$124,632,148		American University	31588-01	N		\$16,306
47 076		STEM EDUCATION	Research and Development	\$3,121,596	\$124,632,148		Drexel University	235920	N		-\$8,627
47 076		STEM EDUCATION	Research and Development	\$3,121,596	\$124,632,148		Saint Josephs University	2018-11-TEU-01	N		\$60,000
47 076		STEM EDUCATION	Research and Development	\$3,121,596	\$124,632,148		Drexel University	920085	N		\$2,410
47 076		STEM EDUCATION	Research and Development	\$3,121,596	\$124,632,148		University Of California	2020-1371	N		\$63,713
47 076		STEM EDUCATION	Research and Development	\$3,121,596	\$124,632,148		Towson University	63, Proj# 5040463SM142,	Ν		\$26,844
47 076		STEM EDUCATION	Research and Development	\$3,121,596	\$124,632,148		University of Illinois	FCCC NO. 2406200	N		\$256,486
47 079		Office of International Science and Engineering	Research and Development	\$74,983	\$124,632,148		Texas A&M University	M2301290	Ν		\$74,983
47 084		OFFICE OF INTEGRATIVE ACTIVITIES	Research and Development	\$400,835	\$124,632,148		University of Wisconsin-	000002617	N		\$16,043
47 084		OFFICE OF INTEGRATIVE ACTIVITIES	Research and Development	\$400,835	\$124,632,148		SusMaX Inc	2321815	Ν		\$1,711
		PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIM									
10 025	5	CARE	Research and Development	\$139,100	\$124,632,148	3 Y			Ν		\$88,775
		PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIM	MAL								
10 025		CARE	Research and Development	\$139,100	\$124,632,148	8 Y			Ν		\$50,325
	5	Agricultural and Rural Economic Research, Cooperative									
10 250	5	Agreements and Collaborations (B, L)	Research and Development	\$14,851	\$124,632,148	3 Y			Ν		\$14,851
10 310			Research and Development	\$188,404	\$124,632,148	3 Y			Ν		\$69,360
10 699	0	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	Research and Development	\$3,306	\$124,632,148	3 Y			Ν		\$3,306
	0	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI) PARTNERSHIP AGREEMENTS									
10 707	0		nts								

Agency Prefix	ALN Three Digit Extension	Additional Award Identification	Federal Program Name	Cluster Name	Federal Program Total	Cluster Total	Award	Name of Passthrough Entity	Identifying Number Assigned by the Pass- through Entity, if assigned	Federal Award Passed Through to Subrecipients	Passed Through to Subrecipients	-
10	RD1	22-CS-11242308-	US DEPARTMENT OF AGRICULTURE CONTRACT	Research and Development	\$90,437	\$124,632,148	Y			Y	\$63,428	\$91,126
11	432		NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	Research and Development	\$102,736	\$124,632,148	Y			Ν		\$130,775
12	300		BASIC AND APPLIED SCIENTIFIC RESEARCH	Research and Development	\$872,566	\$124,632,148	Y			Ν		\$182
12	300		BASIC AND APPLIED SCIENTIFIC RESEARCH	Research and Development	\$872,566	\$124,632,148				Ν		-\$206
12	300		BASIC AND APPLIED SCIENTIFIC RESEARCH	Research and Development	\$872,566	\$124,632,148				Y	\$131,966	· · ·
12	300		BASIC AND APPLIED SCIENTIFIC RESEARCH	Research and Development	\$872,566	\$124,632,148				Ν		\$165,910
12	300		BASIC AND APPLIED SCIENTIFIC RESEARCH	Research and Development	\$872,566	\$124,632,148				N		\$200,008
12	300		BASIC AND APPLIED SCIENTIFIC RESEARCH	Research and Development	\$872,566	\$124,632,148	Y			N		\$134,365
12	300		BASIC AND APPLIED SCIENTIFIC RESEARCH	Research and Development	\$872,566	\$124,632,148	Y			<u>N</u>		\$141,059
12	300		BASIC AND APPLIED SCIENTIFIC RESEARCH	Research and Development	\$872,566	\$124,632,148	Ŷ			N		\$74,846
10	051		SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS	Desserveh and Development	ቀ ር 10 750	¢104 C00 140	v			V	ቀንር ንንን	ቀር ባሻ ርርርሳ
12	351 420		DESTRUCTION Military Medical Research and Development	Research and Development Research and Development	\$516,758 \$1,769,060	\$124,632,148 \$124,632,148				N N	\$35,227	\$507,660 \$2,021-
12 12	420		MILITARY MEDICAL RESEARCH AND DEVELOPMENT	Research and Development	\$1,769,060	\$124,632,148	r V			N		-\$2,021 -\$342
12	420		MILITARY MEDICAL RESEARCH AND DEVELOPMENT	Research and Development	\$1,769,060	\$124,632,148	v v			N		-\$1,997
12	420		MILITARY MEDICAL RESEARCH AND DEVELOPMENT	Research and Development	\$1,769,060	\$124,632,148				N		-\$1,148
12	420		MILITARY MEDICAL RESEARCH AND DEVELOPMENT	Research and Development	\$1,769,060	\$124,632,148				N		-\$2,401
12	420		MILITARY MEDICAL RESEARCH AND DEVELOPMENT	Research and Development	\$1,769,060	\$124,632,148				N		\$63,704
12	420		MILITARY MEDICAL RESEARCH AND DEVELOPMENT	Research and Development	\$1,769,060	\$124,632,148				Y	\$25,574	
12	420		MILITARY MEDICAL RESEARCH AND DEVELOPMENT	Research and Development	\$1,769,060	\$124,632,148	Ŷ			Ŷ	\$25,643	
12	420		MILITARY MEDICAL RESEARCH AND DEVELOPMENT	Research and Development	\$1,769,060	\$124,632,148	Y			N	+;	\$69,659
12	420		MILITARY MEDICAL RESEARCH AND DEVELOPMENT	Research and Development	\$1,769,060	\$124,632,148				N		\$234,987
12	420		MILITARY MEDICAL RESEARCH AND DEVELOPMENT	Research and Development	\$1,769,060	\$124,632,148				Ν		\$98,636
12	420		MILITARY MEDICAL RESEARCH AND DEVELOPMENT	Research and Development	\$1,769,060	\$124,632,148	Y			Ν		\$37,679
12	420		MILITARY MEDICAL RESEARCH AND DEVELOPMENT	Research and Development	\$1,769,060	\$124,632,148				Ν		\$392,254
12	420		MILITARY MEDICAL RESEARCH AND DEVELOPMENT	Research and Development	\$1,769,060	\$124,632,148	Y			Ν		\$134,969
12	420		MILITARY MEDICAL RESEARCH AND DEVELOPMENT	Research and Development	\$1,769,060	\$124,632,148	Y			Ν		\$43,711
12	431		MILITARY MEDICAL RESEARCH AND DEVELOPMENT	Research and Development	\$3,786,083	\$124,632,148	Y			Ν		-\$1,667
12	431		BASIC SCIENTIFIC RESEARCH	Research and Development	\$3,786,083	\$124,632,148	Y			Ν		\$1,410,665
12	431		MILITARY MEDICAL RESEARCH AND DEVELOPMENT	Research and Development	\$3,786,083	\$124,632,148	Y			Ν		\$41,727
12	431		MILITARY MEDICAL RESEARCH AND DEVELOPMENT	Research and Development	\$3,786,083	\$124,632,148	Y			Y	\$68,564	\$1,322,558
12	800		AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	Research and Development	\$864,888	\$124,632,148	Y			N		\$84,278
12	800		AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	Research and Development	\$864,888	\$124,632,148	Y			N		\$222,707
12	800		AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	Research and Development	\$864,888	\$124,632,148	Y			N		\$22,170
12	800		AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	Research and Development	\$864,888	\$124,632,148	Y			N		\$34,465
12	800		AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	Research and Development	\$864,888	\$124,632,148	Y			N		\$270,243
12	800		AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	Research and Development	\$864,888	\$124,632,148				N		\$8,762
12	800		AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	Research and Development	\$864,888	\$124,632,148				N		\$90,359
12	RD1	N6449817P5281	US DEPARTMENT OF DEFENSE CONTRACT	Research and Development	\$72,808	\$124,632,148				N		-\$14,453
12	RD2	0011857167-0002	US DEPARTMENT OF DEFENSE CONTRACT	Research and Development	\$159,017	\$124,632,148				<u> </u>		\$146,960
14	506		GENERAL RESEARCH AND TECHNOLOGY ACTIVITY	Research and Development	-\$436	\$124,632,148	Y V			<u>N</u>		-\$436
15 15	506 670		Water Desalination Research and Development Adaptive Science	Research and Development	\$6,971 \$2,289	\$124,632,148 \$124,632,148	ř V			IN N		\$6,971 \$2,289
15	926		AMERICAN BATTLEFIELD PROTECTION	Research and Development Research and Development	\$2,289	\$124,632,148	T V			N		\$2,269
				•			T			IN N		
15	931		Youth and Veteran Organizations Conservation Activities	Research and Development	\$41	\$124,632,148	Y			N	#0.400	\$41
16	026		OVW Research and Evaluation Program	Research and Development	\$112,731	\$124,632,148	Ŷ			Y	\$2,482	
16	026		OVW Research and Evaluation Program	Research and Development	\$112,731	\$124,632,148				N		\$41,014
16	523		Juvenile Accountability Block Grants NATIONAL INSTITUTE OF JUSTICE RESEARCH, EVALUATION,	Research and Development	\$5,693	\$124,632,148	Ŷ			IN		\$5,693
16	560		AND DEVELOPMENT PROJECT GRANTS	Research and Development	\$108,203	\$124,632,148	Y			Ν		\$71,916
10	500		NATIONAL INSTITUTE OF JUSTICE RESEARCH, EVALUATION,	Desservels and Development	¢100.000	¢104 000 140	V			Ν		
16	560		AND DEVELOPMENT PROJECT GRANTS VOLUNTEER INCOME TAX ASSISTANCE (VITA) MATCHING	Research and Development	\$108,203	\$124,632,148	Ŷ			N		\$9,000
21	009		GRANT PROGRAM	Research and Development	\$28,686	\$124,632,148	Y			Ν		\$17,294
21	009		VOLUNTEER INCOME TAX ASSISTANCE (VITA) MATCHING GRANT PROGRAM	Research and Development	\$28,686	\$124,632,148	v			N		\$11,392
			SCIENCE	Research and Development	\$248,525					N		-\$3,588

Federal Agency Prefix	Extension	Additional Award	Federal Program Name	Cluster Name	Federal Program Total	Cluster Total	Award		Identifying Number Assigned by the Pass- through Entity, if assigned	Federal Award Passed Through to Subrecipients	Amount Passed Through to Subrecipients	Amount Expended
43	001		SCIENCE	Research and Development	\$248,525	\$124,632,148				N		\$1,183
43	001		SCIENCE	Research and Development	\$248,525	\$124,632,148				N		-\$5,600
43 64	001 RD1	36C77621P0200	SCIENCE US DEPARTMENT OF VETERAN'S AFFAIRS CONTRACT	Research and Development Research and Development	\$248,525 \$28,777	\$124,632,148 \$124,632,148				<u>N</u>		\$32,240
04	NDI	3007702120200	US DEPARTMENT OF VETERAINS AFFAINS CONTRACT	Research and Development	φ20,///	φ124,032,14 0				IN		-\$28,826
81	049		OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	Research and Development	\$2,987,373	\$124,632,148	Y			Ν		-\$15,392
81	049		OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	Research and Development	\$2,987,373	\$124,632,148	S Y			N		\$324,351
81	049		OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	Research and Development	\$2,987,373	\$124,632,148	Y			N		-\$6,519
81	049		OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	Research and Development	\$2,987,373	\$124,632,148	Y			Ν		\$290,881
81	049		OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	Research and Development	\$2,987,373	\$124,632,148	Y			Ν		\$11,226
81	049		OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	Research and Development	\$2,987,373	\$124,632,148	β Υ			Ν		\$195,058
81	049		OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	Research and Development	\$2,987,373	\$124,632,148	Y			N		-\$1,649
81	049		OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	Research and Development	\$2,987,373	\$124,632,148	β Υ			Ν		\$19,965
81	049		OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	Research and Development	\$2,987,373	\$124,632,148	Y			N		\$161,294
81	049		OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	Research and Development	\$2,987,373	\$124,632,148	S Y			N		\$359,857
81	049		OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	Research and Development	\$2,987,373	\$124,632,148	Y			N		\$264,173
81	049		OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	Research and Development	\$2,987,373	\$124,632,148				N		\$478,164
81	049		OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	Research and Development	\$2,987,373	\$124,632,148				Y	\$63,119	
81	049		OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	Research and Development	\$2,987,373	\$124,632,148				N		\$64,011
81	049		OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	Research and Development	\$2,987,373	\$124,632,148				N		\$21,398
81 01	049 086		OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM CONSERVATION RESERCH AND DEVELOPMENT	Research and Development Research and Development	\$2,987,373 \$204,169	\$124,632,148 \$124,632,148				N N		\$118,640 \$149
01	000		CENTERS FOR INTERNATIONAL BUSINESS EDUCATION	Research and Development	ψ204,103	ψ124,002,140	, I			IN		ψ145
84	220		PROGRAM CENTERS FOR INTERNATIONAL BUSINESS EDUCATION	Research and Development	\$129,547	\$124,632,148	Y			Ν		\$127,940
84	220A		PROGRAM EDUCATION RESEARCH, DEVELOPMENT AND	Research and Development	\$237,301	\$124,632,148	Y			N		\$237,301
84	305		DISSEMINATION EDUCATION RESEARCH, DEVELOPMENT AND	Research and Development	\$384,680	\$124,632,148	Y			Ν		-\$1,117
84	305		DISSEMINATION EDUCATION RESEARCH, DEVELOPMENT AND	Research and Development	\$384,680	\$124,632,148	Y			Ν		-\$1,611
84	305		DISSEMINATION EDUCATION RESEARCH, DEVELOPMENT AND	Research and Development	\$384,680	\$124,632,148	Y			Y	\$191,222	\$191,229
84	305 324		DISSEMINATION PROGRAM ANNOUNCEMENT: SPECIAL TOPICS	Research and Development Research and Development	\$384,680	\$124,632,148				N	\$11,576	-\$15,045
04 8/	324		TEACHER QUALITY PARTNERSHIP GRANTS	Research and Development	\$219,259 \$179,563	\$124,632,148 \$124,632,148				N	φ11,376	\$219,259 \$179,563
04			Education Innovation and Research (formerly Investing in	·								
10	411		Innovation (i3) Fund) (B)	Research and Development	-\$1,996	\$124,632,148		Clamoon University	0440.015.0015000	N		-\$1,996
10	215		SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION	Research and Development	\$344	\$124,632,148		Clemson University Administrators of the Tulane	2440-215-2015298	N		\$344
10	253		CONSUMER DATA AND NUTRITIONAL RESEARCH MUSEUM GRANTS FOR AFRICAN AMERICAN HISTORY AND	Research and Development	\$11,121	\$124,632,148		Edu Fund The Pennsylvania State	TUL-HSC-559875-2223	N		\$11,121
10	309		CULTURE	Research and Development	\$69,090	\$124,632,148	N	University	2019-51181-30014	Ν		\$69,090

		ENDED JUNE	30, 2024									
Federal Agency Prefix	ALN Three Digit Extension	Additional Award Identification	Federal Program Name	Cluster Name	Federal Program Total	Cluster Total	Direct Award		Identifying Number Assigned by the Pass- through Entity, if assigned	Federal Award Passed Through to Subrecipients	Amount Passed Through to Subrecipients	Amount Expended
10	310		AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	Research and Development	\$188,404	\$124,632,148	N	Purdue University	F0013585302012	N		\$85,552
10	310		Agriculture and Food Research Initiative (AFRI) (B)	Research and Development	\$188,404	\$124,632,148	N	Clemson University	2533-207-2016051	N		\$33,492
10		75F40119D10037	US DEPARTMENT OF AGRICULTURE CONTRACT	Research and Development	\$90,437	\$124,632,148	N	University of Pittsburgh	AWD00003449-2	N		-\$689
11	011	, 01 101100 1000,	OCEAN EXPLORATION	Research and Development	\$6,562	\$124,632,148	N	Smithsonian Institution	22-SUNC-440-0000472837	N		\$6,562
11	417		Sea Grant Support (B)	Research and Development	-\$194	\$124,632,148	N	Pennsylvania State	5419-TU-NOAA-0063	N		-\$194
**	/			nesection and Development	ψιοτ	φ12+,002,1+0				i i i		φ10+
11	432		NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	Research and Development	\$102,736	\$124,632,148	N	Lehigh University	SUBAWARD 543793-78002	Ν		-\$28,039
								The National Marine				
11	463		Habitat Conservation (B)	Research and Development	\$16,038	\$124,632,148	N	Sanctuary Foundation	5300-23-07-068	N		\$16,038
			Commercial Technologies for Maintenance Activities Program									
12	225		(B)	Research and Development	\$208,331	\$124,632,148	Y			N		\$208,331
			SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS					University of Pittsburgh of				
12	351		DESTRUCTION	Research and Development	\$516,758	\$124,632,148	N	the Comlth Sys of Highe	CNVA00048028 (412078-1)	N		-\$3,436
			SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS					University of Pittsburgh of				
12	351		DESTRUCTION	Research and Development	\$516,758	\$124,632,148	N	the Comlth Sys of Highe	AWD00004334 (417861-1)	Ν		\$12,534
			NATIONAL GUARD MILITARY OPERATIONS AND					Pennsylvania Department of				
12	401		MAINTENANCE (O&M) PROJECTS	Research and Development	\$554,726	\$124,632,148	Ν	Military and Veterans Affairs	4300599805	Ν		\$71,653
			NATIONAL GUARD MILITARY OPERATIONS AND					Pennsylvania Department of				
12	401		MAINTENANCE (O&M) PROJECTS	Research and Development	\$554,726	\$124,632,148	Ν	Military and Veterans Affairs	4300599763	Ν		\$58,154
			NATIONAL GUARD MILITARY OPERATIONS AND					Pennsylvania Department of				
12	401		MAINTENANCE (O&M) PROJECTS	Research and Development	\$554,726	\$124,632,148	Ν	Military and Veterans Affairs	4300599780	Ν		\$55,399
			NATIONAL GUARD MILITARY OPERATIONS AND					Pennsylvania Department of				
12	401		MAINTENANCE (O&M) PROJECTS	Research and Development	\$554,726	\$124,632,148	Ν	Military and Veterans Affairs	4300599688	Ν		\$5,348
			NATIONAL GUARD MILITARY OPERATIONS AND	•				Pennsylvania Department of				. ,
12	401		MAINTENANCE (O&M) PROJECTS	Research and Development	\$554,726	\$124,632,148	N	Military and Veterans Affairs		Ν		\$364,172
12	101				<i>400 1,7 20</i>	¢12 1,002,110		University of Alabama at	100000200			<i>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i>
12	420		MILITARY MEDICAL RESEARCH AND DEVELOPMENT	Research and Development	\$1,769,060	\$124,632,148	N	Birmingham	000507860-012	Ν		-\$182
12	420		MILITARY MEDICAL RESEARCH AND DEVELOPMENT	Research and Development	\$1,769,060	\$124,632,148		State of Maryland	F302348-9	N		\$5,391
12	420			hesedien and Development	φ1,700,000	φ12+,002,1+0		University of Alabama at	1002040 0			φ0,001
10	420		MILITARY MEDICAL RESEARCH AND DEVELOPMENT	Research and Development	\$1,769,060	\$124,632,148	N	Birmingham	000507860-012	Ν		\$3,289
12	420		FILITARI FILDICAL RESEARCH AND DEVELOT FILM	Research and Development	ψ1,703,000	ψ124,032,140		Regents of the University Of	000307800-012	IN		ψ3,203
10	420		MILITARY MEDICAL RESEARCH AND DEVELOPMENT	Research and Development	\$1,769,060	\$124,632,148	N	Michigan	3004015808	Ν		-\$25
12	420		MILITARY MEDICAL RESEARCH AND DEVELOPMENT	Research and Development	\$1,769,060		N N		UND10623	N		\$12
12	420		MILITART MEDICAL RESEARCH AND DEVELOPMENT	Research and Development	φ1,709,000	\$124,632,148			UND10823	IN		φ12
4.0	400			Deservels and Development	¢4 700 000	\$104 000 1 40		Regents of the University Of		N		
12	420		MILITARY MEDICAL RESEARCH AND DEVELOPMENT	Research and Development	\$1,769,060	\$124,632,148	N	Michigan State of Mandand	SUBK00005997	N		\$25
12	420		MILITARY MEDICAL RESEARCH AND DEVELOPMENT	Research and Development	\$1,769,060	\$124,632,148	N	State of Maryland	F302348-9	N		\$23,846
								University of Pittsburgh of				
12	420		MILITARY MEDICAL RESEARCH AND DEVELOPMENT	Research and Development	\$1,769,060	\$124,632,148	N	the Comlth Sys of Highe	AWD00004407 (417938-1)	N		\$1,352
12	420		MILITARY MEDICAL RESEARCH AND DEVELOPMENT	Research and Development	\$1,769,060	\$124,632,148	N	Fox Chase Cancer Center	2404800 Yr 1 01	N		\$15,644
12	420		MILITARY MEDICAL RESEARCH AND DEVELOPMENT	Research and Development	\$1,769,060	\$124,632,148	N		FCCC NO. 2406200	Ν		\$62,748
12	420		MILITARY MEDICAL RESEARCH AND DEVELOPMENT	Research and Development	\$1,769,060	\$124,632,148	N	University of Illinois	113583-19609	Ν		\$15,354
12	420		MILITARY MEDICAL RESEARCH AND DEVELOPMENT	Research and Development	\$1,769,060	\$124,632,148	N	Montclair State University	HT9425-23-1-0473_Temple	Ν		\$23,702
12	431		MILITARY MEDICAL RESEARCH AND DEVELOPMENT	Research and Development	\$3,786,083	\$124,632,148	N	Drexel University	840023	Ν		\$251
12	431		BASIC SCIENTIFIC RESEARCH	Research and Development	\$3,786,083	\$124,632,148	N	Drexel University	950042	Ν		\$159,046
12	431		BASIC SCIENTIFIC RESEARCH	Research and Development	\$3,786,083	\$124,632,148	N	Northeastern University	555080-78055	Ν		\$845,003
			BASIC APPLIED AND ADVANCE RESEARCH IN SCIENCE AND									
12	630		ENGINEERING	Research and Development	\$869,109	\$124,632,148	Ν	Northeastern University	555089-78051	Ν		\$841,855
12	800		AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	Research and Development	\$864,888	\$124,632,148	N	University of Illinois	097110-17600	Ν		\$104,307
12	800		AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	Research and Development	\$864,888	\$124,632,148	N	University Of Minnesota	A009678502	Ν		\$27,597
12		A39024	US DEPARTMENT OF DEFENSE CONTRACT	Research and Development	\$72,808	\$124,632,148	N	Booz, Allen, Hamilton, Inc.	A39024	Ν		\$87,261
								Johns Hopkins University	N00024-13-D-6400/ PO#			
12	RD2	N00024-13-D-6400	US DEPARTMENT OF DEFENSE CONTRACT	Research and Development	\$159,017	\$124,632,148	Ν	Applied Physics Laboratory		Ν		\$12,057
12			US DEPARTMENT OF DEFENSE CONTRACT	Research and Development	\$43,871	\$124,632,148	N	SciTech Services Inc.	ScrTech 22-22-f-0037-02	N		\$43,871
12		202112-142136	US DEPARTMENT OF DEFENSE CONTRACT	Research and Development	-\$377,775	\$124,632,148	N	Northeastern University	555074-78050	N		-\$377,775
12		CRFR-040-002-01	US DEPARTMENT OF DEFENSE CONTRACT	Research and Development	\$1	\$124,632,148	N	Matrix Research Inc	CRFR-040-002-01 SLIN2	N		¢377,773 ¢1
12			US DEPARTMENT OF DEFENSE CONTRACT	Research and Development	\$508	\$124,632,148		APTIM	5012208	N		پ ال \$508
12		W912HQ19C0056	US DEPARTMENT OF DEFENSE CONTRACT	Research and Development	\$108,900	\$124,632,148	N	Drexel University	SUBAWARD NO: 940006	N		\$108,900
12		W912HQ19C0056 W15QKN209C004	US DEPARTMENT OF DEFENSE CONTRACT	•			N	,		IN NI		
12				Research and Development	\$618,197	\$124,632,148		ThirdLaw, LLC	W15QKN209C004	IN NI		\$537,509
12	RD9	VV01VVNH-20-1-0909	US DEPARTMENT OF DEFENSE CONTRACT	Research and Development	\$618,197	\$124,632,148	N	University of Queensland	RM2019002693	Ν		\$48,018

Federal Agency Prefix	ALN Three Digit Extension	Additional Award Identification	l Federal Program Name	Cluster Name	Federal Program Total	Cluster Total	Direct Award	Entity	Identifying Number Assigned by the Pass- through Entity, if assigned	Federal Award Passed Through to Subrecipients	Amount Passed Through to Subrecipients	Amount Expended
10	RD9	W81XWH1910848	US DEPARTMENT OF DEFENSE CONTRACT	Research and Development	\$618,197	\$124,632,148	N	University of Maryland, Baltimore County	20532	Ν		\$8,227
12	RD9	FA9453-22-C-A127	US DEPARTMENT OF DEFENSE CONTRACT	Research and Development	\$618,197	\$124,632,148	N	Intelligent Fusion	FA9453-22-C-A127	N		\$24,443
12	nbo	170400-22-0 7127		nescalen and Development	ψ010,137	ψ124,002,140		National Fish and Wildlife	170400-22-0-7127	11		ψ24,440
15	657		ENDANGERED SPECIES RECOVERY IMPLEMENTATION	Research and Development	\$25,198	\$124,632,148	N	Foundation	0406.19.066677	Y	\$5,833	\$25,198
					+;	+ · , , _ · -		The Pennsylvania State			+-)	+
15	805		Assistance to State Water Resources Research Institutes	Research and Development	\$14,372	\$124,632,148	Ν	University	S004687-USGS	Ν		\$14,372
			Cooperative Research and Training Programs – Resources of					VIRGINIA POLYTECHNIC				
15	945		the National Park System	Research and Development	\$24,728	\$124,632,148	N	INSTITUTE AND STATE	462771-19A09	Ν		\$24,728
			NATIONAL INSTITUTE OF JUSTICE RESEARCH, EVALUATION,					National Opinion Reseach				
16	560		AND DEVELOPMENT PROJECT GRANTS	Research and Development	\$108,203	\$124,632,148	N	Center	G212.TU.01	N		\$27,594
16	585		Treatment Court Discretionary Grant Program	Research and Development	\$162,886	\$124,632,148	N	John Jay College	UNKNOWN	N		\$162,886
	005				\$40,400			Pennsylvania Department of	1000 11 10 11			* ~~~
20	205		HIGHWAY PLANNING AND CONSTRUCTION	Research and Development	-\$13,128	\$124,632,148	N	Transportation	4300414044	N		\$853
20	205		HIGHWAY PLANNING AND CONSTRUCTION	Research and Development	¢10,100	\$124,632,148	N	Pennsylvania Department of	4300524467	NI		¢140
20	205		HIGHWAT PLANNING AND CONSTRUCTION	Research and Development	-\$13,128	φ124,032,140	IN	Transportation Pennsylvania Department of	4300324407	IN		\$149
20	205		HIGHWAY PLANNING AND CONSTRUCTION	Research and Development	-\$13,128	\$124,632,148	N	Transportation	4400017651 TEM WO 012	Ν		-\$36,931
20	200			nescaren ana Development	φ10,120	ψ124,002,140	14	Pennsylvania Department of	440001/0011211100012			400,001
20	205		HIGHWAY PLANNING AND CONSTRUCTION	Research and Development	-\$13,128	\$124,632,148	N	Transportation	TEM 015	Ν		\$22,801
			COVID-19 CORONAVIRUS STATE AND LOCAL FISCAL		+,	<i> </i>		Pennsylvania Commission				<i> </i>
21	027	COVID-19	RECOVERY FUNDS	N/A	\$5,238,030	\$0	Ν	On Crime And Delinquency	2022-CL-01-39097	Ν		\$656,138
43	001		SCIENCE	Research and Development	\$248,525	\$124,632,148	N	California Inst of Technology	1632463	Ν		\$156
								American Museum Of				
43	001		SCIENCE	Research and Development	\$248,525	\$124,632,148	N	Natural History	B78-2021-3	Ν		\$98,979
43	001		SCIENCE	Research and Development	\$248,525	\$124,632,148	N	University of Southern	SCON-00004071	Ν		\$52,211
43	001		SCIENCE	Research and Development	\$248,525	\$124,632,148	N	The University of Texas at	22010082	N		\$72,944
43	800		EDUCATION	Research and Development	\$47,618	\$124,632,148	N	The Pennsylvania State	S000977-NASA	N		\$47,618
4/		NSF -2236352	NATIOAL SCIENCE FOUNDATION CONTRACT	Research and Development	\$187,513	\$124,632,148	N	University of Arkansas	UA2023-368	<u> </u>		\$187,513
59	037 037		SMALL BUSINESS DEVELOPMENT CENTERS SMALL BUSINESS DEVELOPMENT CENTERS	Research and Development Research and Development	\$446,089 \$446,089	\$124,632,148	N	Kutztown University	UNKNOWN SBA20230110	N N		\$215,385
59	037		SMALL BUSINESS DEVELOPMENT CENTERS	Research and Development	\$440,089	\$124,632,148	IN	Kutztown University Kutztown University of	3DA20230110	IN		\$242,748
59	RD1	SBA20220511	US SMALL BUSINESS ADMINISTRATION CONTRCT	Research and Development	-\$411	\$124,632,148	N	Pennsylvania	SBA20220511	N		-\$411
		00//20220011			Ų III	<i>Q12</i> 1,002,110		Pennsylvania Department of	00//20220011			
64	RD1	4300786278	US VETERANS ADMINISTRATION CONTRACT	Research and Development	\$28,777	\$124,632,148	N	Military and Veterans Affairs	4300786278	Ν		\$57,603
				· ·				Pennsylvania Department of				
64	RD2	4300786084	US VETERANS ADMINISTRATION CONTRACT	Research and Development	\$77,874	\$124,632,148	Ν	Military and Veterans Affairs	4300786084	Ν		\$77,874
								Pennsylvania Department of				
64	RD3	4300786265	US VETERANS ADMINISTRATION CONTRACT	Research and Development	\$65,012	\$124,632,148	N	Military and Veterans Affairs		Ν		\$65,012
								Pennsylvania Department of				
64	RD4	4300786497	US VETERANS ADMINISTRATION CONTRACT	Research and Development	\$1,505	\$124,632,148	N	Military and Veterans Affairs	4300786497	N		\$1,505
	0.40					\$101000110			500.400			¢ 44 700
31	049		OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	Research and Development	\$2,987,373	\$124,632,148	N	Central Michigan University	F63460	N		-\$41,763
01	040		OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	Passarah and Davalanment	¢0,007,070	¢104 600 140	N	Dringston University	SUB000004	NI		¢210 107
51	049		OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	Research and Development	\$2,987,373	\$124,632,148	IN	Princeton University	SUB0000284	IN		\$310,197
21	049		OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	Research and Development	\$2,987,373	\$124,632,148	N	ThirdLaw, LLC	Subaward No. 265006	Ν		\$7,315
51	040			hesedien and Development	φ2,307,070	ψ12 4 ,002,140	14	Fermi National Accelerator	0050W010110.200000	11		φ7,010
31	049		OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	Research and Development	\$2,987,373	\$124,632,148	N	Laboratory	DE-AC02-07CH11359	Ν		\$198,217
-				····	1 / /							
31	049		OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	Research and Development	\$2,987,373	\$124,632,148	Ν	Central Michigan University	F64698	Ν		\$60,850
								Board of the Leland Stanford				
81	049		OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	Research and Development	\$2,987,373	\$124,632,148	N	Junior University	63288359-267901	Ν		\$66,296
81	086		CONSERVATION RESERCH AND DEVELOPMENT	Research and Development	\$204,169	\$124,632,148	N	University of California -	00010314	Ν		\$106,264
81	086		CONSERVATION RESERCH AND DEVELOPMENT	Research and Development	\$204,169	\$124,632,148	N	University Of Delaware	UDR0000276	Ν		\$97,756
				_				National Renewable Energy				
81	087		Renewable Energy Research and Development (B)	Research and Development	\$58,134	\$124,632,148	N	Laboratory	SUB-2022-10334	N		\$58,134
81	135	700400	ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	Research and Development	\$101,106	\$124,632,148	N	University Of Delaware	UDR0000252	N		\$101,106
51	RD1	763183	US DEPARTMENT OF ENERGY CONTRACT	Research and Development	\$3,690	\$124,632,148	N	Sandia National	1763183	Ν		\$3,690

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Federal Agency	ALN Three Digit	Additional Award			Federal Program		Direct	Name of Passthrough	Identifying Number Assigned by the Pass- through Entity, if	Federal Award Passed Through to	Amount Passed Through to	Amount
Prefix	Extension	Identification	Federal Program Name	Cluster Name	Total	Cluster Total	Award		assigned		Subrecipients	Expended
81	RD2	19-D0288	US DEPARTMENT OF ENERGY CONTRACT	Research and Development	\$3	\$124,632,148	N	Jefferson Science	19-D0288	N		\$3
81		384188	US DEPARTMENT OF ENERGY CONTRACT	Research and Development	-\$69	\$124,632,148		Brookhaven National	384188	N		-\$69
				•	· · ·	. , ,		Mainstream Engineering				
81	RD5	DE-SC0017037	US DEPARTMENT OF ENERGY CONTRACT	Research and Development	\$24	\$124,632,148	N	Corporation	DE7037	Ν		\$24
				· · · · · · · · · · · · · · · · · · ·	T = 1	+ · , , _ · -		The Johns Hopkins				+
81	RD6	W81XWH1920062	US DEPARTMENT OF ENERGY CONTRACT	Research and Development	\$4,438	\$124,632,148	N	Bloomberg School of Public	W81XWH1920062	Ν		\$4,438
81		DE-AC02-	US DEPARTMENT OF ENERGY CONTRACT	Research and Development	-\$44,886	\$124,632,148		Brookhaven National	223228	Ν		-\$44,886
81		DE-NA0003525	US DEPARTMENT OF ENERGY CONTRACT	Research and Development	\$85,590	\$124,632,148		Sandia National	PO# 2330239	N		\$85,590
81		DE-NA0003525	US DEPARTMENT OF ENERGY CONTRACT	Research and Development	\$195,265	\$124,632,148		Sandia National	PO-2149742	Ν		\$155,846
81		DE-AC02-	US DEPARTMENT OF ENERGY CONTRACT	Research and Development	\$195,265	\$124,632,148		Argonne National Laboratory		N		-\$643
81			US DEPARTMENT OF ENERGY CONTRACT	Research and Development	\$195,265	\$124,632,148		Idaho National Laboratory	267860	Ν		\$40,062
				•				Pennsylvania Department Of				. ,
84	002		ADULT EDUCATION - BASIC GRANTS TO STATES	Research and Development	\$313,480	\$124,632,148	N	Education	UNKNOWN	Ν		\$328,054
			REHABILITATION SERVICES_VOCATIONAL REHABILITATION	•		. , ,		Pennsylvania Department of				
84	126		GRANTS TO STATES	Research and Development	\$32,375	\$124,632,148	N	Labor And Industry	4300770052	Ν		\$32,375
				•				Pennsylvania Department Of				. ,
84	287		TITLE IV, PART B OF ESEA	Research and Development	\$156,599	\$124,632,148	N	Education	SAP FUND: 7051600000	Y	\$68,801	\$156,599
	-		EDUCATION RESEARCH, DEVELOPMENT AND	· · · · · · · · · · · · · · · · · · ·	, ,	, , , , , ,		Strategic Educ Research			, ,	1
84	305		DISSEMINATION	Research and Development	\$384,680	\$124,632,148	N	Prtnrship Inst	MBE2015TU	Ν		\$11
			TRANSITION PROGRAMS FOR STUDENTS WITH		+,	+ · , , _ · -						¥
84	407		INTELLECTUAL DISABILITIES INTO HIGHER EDUCATION	Research and Development	\$71,748	\$124,632,148	N	Millersville University	PO# 4500635817	Ν		\$7,172
			Developmental Disabilities Basic Support and Advocacy		<i> </i>	<i> </i>		Pennsylvania				+ - , = - =
93	630		Grants (A)	Research and Development	\$291,486	\$124,632,148	N	Developmental Disabilities	4100095486	N		\$60,754
			Developmental Disabilities Basic Support and Advocacy		<i>\</i> 201,100	<i>Q12</i> ,002,110		Pennsylvania	120000100			<i>\</i> \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
93	630		Grants (A)	Research and Development	\$291,486	\$124,632,148	N	•	4100095818	Ν		\$70,822
00	000			Research and Development	φ201,400	ψ12-1,002,1-0		Philadelphia Department of	410000010	, T		φ7 0,022
93	788		OPIOID STR	Research and Development	\$2,967	\$124,632,148	N	Behavioral Health	2120007	Ν		\$2,967
	,				<i>\</i>	<i>Q12 1,002,110</i>		Legislative Analysis and				<i>42,007</i>
95	006		MODEL ACTS PROGRAM	Research and Development	\$2,521	\$124,632,148	N	Public Policy Association	G2199ONDCP03A	Ν		\$2,521
					<i>\</i>	<i>Q</i> 12 1,002,110		The University of Central				<i>\</i>
97	061		CENTERS FOR HOMELAND SECURITY	Research and Development	\$121,062	\$124,632,148	N	Florida Board of Trustees	GR107453	Ν		\$121,062
					<i> </i>	<i> </i>		The American University in				÷==;••=
98	001		USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	Research and Development	\$1,187,087	\$124,632,148	N	Cairo	72026319CA00001	Ν		\$547,628
					, , , , , , , , , , , , , , , , , , , ,	, ,,		National Academy of				
98	001		USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	Research and Development	\$1,187,087	\$124,632,148	N	Sciences	2000012797	Ν		\$34,293
				· · · · · · · · · · · · · · · · · · ·	, , , , , , , , , , , , , , , , , , , ,	. , , .						
98	001		USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	Research and Development	\$1,187,087	\$124,632,148	N	PACT	72012122CA00001	Y	\$133,348	\$605,166
				ECONOMIC DEVELOPMENT		. , ,					. ,	. ,
11	307		ECONOMIC ADJUSTMENT ASSISTANCE	CLUSTER	\$224,521	\$224,521	. Y			Ν		\$224,521
								Pennsylvania Department Of				
93	778		MEDICAL ASSISTANCE PROGRAM	MEDICAID CLUSTER	\$1,208,593	\$1,208,593	N	Public Welfare	4300591464	Ν		\$80,195
								Pennsylvania Department of				
93	778		MEDICAL ASSISTANCE PROGRAM	MEDICAID CLUSTER	\$1,208,593	\$1,208,593	N	Human Services	PO#4300629268	Ν		\$5,601
								Pennsylvania Department of				
93	778		MEDICAL ASSISTANCE PROGRAM	MEDICAID CLUSTER	\$1,208,593	\$1,208,593	N	Health	4100083406	Ν		\$162,686
								Pennsylvania Department Of				
93	778		MEDICAL ASSISTANCE PROGRAM	MEDICAID CLUSTER	\$1,208,593	\$1,208,593	N	Public Welfare	4300621036	Ν		\$25,893
								Office of Developmental				
								Programs/PA Dept of Humar	I Contraction of the second			
93	778		MEDICAL ASSISTANCE PROGRAM	MEDICAID CLUSTER	\$1,208,593	\$1,208,593	N	Services	PO# 4300731672	Ν		\$101,594
				-		. ,,		Pennsylvania Department of				,
93	778		MEDICAL ASSISTANCE PROGRAM	MEDICAID CLUSTER	\$1,208,593	\$1,208,593	N	Human Services	4300784612	Ν		\$695,533
					, , , , 0			Pennsylvania Department of				,,
93	778	4300793585	MEDICAL ASSISTANCE PROGRAM	MEDICAID CLUSTER	\$1,208,593	\$1,208,593	N	Human Services	4300793585	Y	\$2,620	\$137,091
84	047	· · · · · · · · · · · · · · · · · · ·	TRIO UPWARD BOUND	TRIO CLUSTER	\$686,098	\$686,098				N	÷-,•-•	-\$2,647
84	047		TRIO_UPWARD BOUND	TRIO CLUSTER	\$686,098	\$686,098				N		-\$2,625
84	047		TRIO_UPWARD BOUND	TRIO CLUSTER	\$686,098	\$686,098	-			N		\$468,957
84	047		TRIO_UPWARD BOUND	TRIO CLUSTER	\$686,098	\$686,098				N		\$222,413
17	259		WIOA YOUTH ACTIVITIES	WIOA CLUSTER	\$567,113	\$567,113		Philadelphia Works	090-19-330-01	Ν		-\$581
					,,	<i>+•••</i> ,110				••		Ψ

		ENDED JUNE	50, 2024									
Federal Agency Prefix	ALN Three Digit Extension	Additional Award Identification	Federal Program Name	Cluster Name	Federal Program Total	Cluster Total	Direct Award	Name of Passthrough Entity	Identifying Number Assigned by the Pass- through Entity, if assigned	Federal Award Passed Through to Subrecipients	Amount Passed Through to Subrecipients	Amount Expended
17	259		WIOA YOUTH ACTIVITIES	WIOA CLUSTER	\$567,113	\$567,113	Ν	Philadelphia Youth Network,	10659-Y134	Ν		\$48
17	259		WIOA YOUTH ACTIVITIES	WIOA CLUSTER	\$567,113	\$567,113	Ν	Philadelphia Works	YO20-006	Ν		-\$76
17	259		WIOA YOUTH ACTIVITIES	WIOA CLUSTER	\$567,113	\$567,113	Ν	Philadelphia Works	090-22-330-1	Ν		\$559,530
17	259		WIOA YOUTH ACTIVITIES	WIOA CLUSTER	\$567,113	\$567,113	Ν	Philadelphia Works	YO23-034	Ν		\$8,192
				STUDENT FINANCIAL								
84	033		FEDERAL WORK STUDY PROGRAM	ASSISTANCE	\$2,594,148	\$379,965,492	Y			N		\$2,594,148
				STUDENT FINANCIAL								
84	038		FEDERAL PERKINS LOAN PROGRAM	ASSISTANCE	\$8,881,224	\$379,965,492	Y			N		\$8,602,630
				STUDENT FINANCIAL								
84	038		FEDERAL PERKINS LOAN PROGRAM	ASSISTANCE	\$8,881,224	\$379,965,492	Y			N		\$278,594
			FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY	STUDENT FINANCIAL								
84	063		GRANTS	ASSISTANCE	\$43,012,202	\$379,965,492	Y			N		\$2,619,649
				STUDENT FINANCIAL								
84	063		FEDERAL PELL GRANT PROGRAM	ASSISTANCE	\$43,012,202	\$379,965,492	Y			N		\$40,392,553
				STUDENT FINANCIAL								
84	268		FEDERAL DIRECT STUDENT LOANS	ASSISTANCE	\$301,633,180	\$379,965,492	Y			Ν		\$43,860,564
.				STUDENT FINANCIAL	\$004,000,400	\$070.00F 400	Ň					4407 400 004
84	268		FEDERAL DIRECT STUDENT LOANS	ASSISTANCE	\$301,633,180	\$379,965,492	Y			N		\$137,182,681
0.4	200			STUDENT FINANCIAL	¢201 C22 100	¢270.005.402	v			NI		¢00.010.050
84	268		FEDERAL DIRECT STUDENT LOANS	ASSISTANCE STUDENT FINANCIAL	\$301,633,180	\$379,965,492	Y			Ν		\$62,313,853
04	268		FEDERAL DIRECT STUDENT LOANS	ASSISTANCE	\$301,633,180	¢270 065 402	Y			Ν		¢50 076 000
04	200		FEDERAL DIRECT STODENT LOANS	STUDENT FINANCIAL	\$301,033,100	\$379,965,492	T			IN		\$58,276,082
93	342		HEATH PROFESSIONS STUDENT LOANS	ASSISTANCE	\$23,421,979	\$379,965,492	v			N		\$23,266,329
90	342		HEATTFROI ESSIONS STODENT EOANS	STUDENT FINANCIAL	ψ23,421,979	φ379,900,492	I			IN		ψ23,200,329
93	342		HEATH PROFESSIONS STUDENT LOANS	ASSISTANCE	\$23,421,979	\$379,965,492	v			Ν		\$155,650
50	042			STUDENT FINANCIAL	φ20,421,070	φ070,000,402	1					φ100,000
93	364		NURSING STUDENT LOAN	ASSISTANCE	\$422,759	\$379,965,492	Y			Ν		\$419,203
				STUDENT FINANCIAL	¢ 122,7 00	<i>QQQQQQQQQQQQQ</i>	-					¢ 120,200
93	364		NURSING STUDENT LOAN	ASSISTANCE	\$422,759	\$379,965,492	Y			Ν		\$3,556
			COVID-19 EDUCATION STABILIZATION FUND UNDER THE					Texas Higher Education				
84	425C	COVID-19	CORONAVIRUS AID, RELIEF, AND ECONOMIC SECURITY ACT	N/A	\$625,101	\$0	Ν	Coordinating Board	280160	Y	\$292,662	\$625,133
12	300		BASIC AND APPLIED SCIENTIFIC RESEARCH	N/A	\$872,566	\$0	Y			Ν		-\$2,179
12	300		BASIC AND APPLIED SCIENTIFIC RESEARCH	N/A	\$872,566	\$0	Y			Ν		-\$1,199
12	300		BASIC AND APPLIED SCIENTIFIC RESEARCH	N/A	\$872,566	\$0	Y			Ν		-\$6,149
12	431		MILITARY MEDICAL RESEARCH AND DEVELOPMENT	N/A	\$3,786,083	\$0	Y			Ν		\$8,500
		ACOGP2340201-01	US DEPARTMENT OF DEFENSE CONTRACT	N/A	\$39,756	\$0	Y			N		\$39,756
12	U02	N6449823P5156	US DEPARTMENT OF DEFENSE CONTRACT	N/A	\$56,097	\$0	Y			N		\$56,097
			NATIONAL PARK SERVICE CONSERVATION PROTECTION,									
15	954		OUTREACH AND EDUCATION	N/A	\$8,261	\$0	Y			N		\$8,261
			NATIONAL INSTITUTE OF JUSTICE RESEARCH, EVALUATION,									
	560		AND DEVELOPMENT PROJECT GRANTS	N/A	\$108,203	\$0	Y			N		-\$307
	601		CORRECTIONS_TRAINING AND STAFF DEVELOPMENT	N/A	-\$2,806	\$0	Y			N		-\$931
	601		CORRECTIONS_TRAINING AND STAFF DEVELOPMENT	N/A	-\$2,806	\$0	Y			N		\$10
	601		CORRECTIONS_TRAINING AND STAFF DEVELOPMENT	N/A	-\$2,806	\$0	Y			N		-\$1,885
	839		STOP SCHOOL VIOLENCE	N/A	\$506,504	\$0	Y			N		\$506,504
	040		Public Diplomacy Programs	N/A	\$74,173	\$0	Y			N		\$74,173
	008		LOW INCOME TAXPAYER CLINICS	N/A	\$186,315	\$0	Y			N		\$186,315
	001		SCIENCE	N/A	\$160	\$0	Y			<u>N</u>		\$1,656 \$1,406
	001	00 Desket Na. 40		N/A	\$160	\$0	Y			N		-\$1,496
32		CG Docket No. 10-	FEDERAL COMMUNICATIONS COMMISSION	N/A	\$174,802	\$0	Ý			<u>N</u>		\$174,802
		CG Docket No. 10-	FEDERAL COMMUNICATIONS COMMISSION	N/A	-\$1,366	\$0	Y Y			N		-\$1,366
3Z	U05	CG Docket No. 10-	FEDERAL COMMUNICATIONS COMMISSION	N/A	\$193	\$0	Y			N		\$193
45	024		Promotion of the Arts Grants to Organizations and Individuals	N/A	\$15,000	¢0	v			Ν		\$15,000
	312		National Leadership Grants	N/A N/A	\$15,000	\$0 \$0	V			N		\$15,000 \$11,445
-10	512				φ11,440	φΟ	1			IN		ψ11,443
45	U06	DR-296701	NATIONAL ENDOWMENT FOR THE HUMANITIES CONTRACT	N/A	\$925	\$0	v			Ν		\$925
-10	000	DH 200/01	TATIONAL ENDOWFILINT ON THE HOPANITES CONTRACT	1 4// 1	φ920	φ 0				IN		ψ920

Prefix Ext 64 U07 84 022	Digit /	Additional Award			Federal				Identifying Number	Federal Award	Amount	
Prefix Ext 64 U07 84 022	xtension				Program		Direct	Name of Passthrough	Assigned by the Pass- through Entity, if	Passed Through to	Passed Through to	Amount
84 022)7 (Identification	Federal Program Name	Cluster Name	Total	Cluster Total			assigned		Subrecipients	
		36C24220P1403		N/A	\$121	\$0	1			N		\$121
	22		RESEARCH ABROAD	N/A	\$20,175	\$0	Y			Ν		\$20,175
84 220	20		CENTERS FOR INTERNATIONAL BUSINESS EDUCATION PROGRAM	N/A	\$129,547	\$0) Y			Ν		\$1,607
84 305	15		EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION	N/A	\$384,680	\$0) Y			Ν		\$211,213
01 000			SPECIAL EDUCATION - PERSONAL DEVELOPMENT TO IMPROVE SERVICES AND RESULTS FOR CHILDREN WITH			v .						<u> </u>
84 3251	25D		DISABILITIES	N/A	\$672,937	\$0) Y			Y	\$329,833	\$672,937
84 365	65		SICKLE CELL TREATMENT DEMONSTRATION PROGRAM	N/A	\$635,098	\$0) Y			Ν		\$635,098
93 059	59		TRAINING IN GENERAL, PEDIATRIC AND PUBLIC HEALTH DENTISTRY	N/A	\$26,515	\$0	Y			Ν		\$19,309
93 059	59		TRAINING IN GENERAL, PEDIATRIC AND PUBLIC HEALTH DENTISTRY	N/A	\$26,515	\$0	Y			Ν		\$7,206
93 464			ACL ASSISTIVE TECHNOLOGY	N/A	\$1,042,448	\$0 \$0				N		-\$330
93 464			ACL ASSISTIVE TECHNOLOGY	N/A	\$1,042,448	\$0				N		\$14,307
93 464			ACL ASSISTIVE TECHNOLOGY	N/A	\$1,042,448	\$0) Y			Y	\$131,397	\$207,413
93 464	64		ACL ASSISTIVE TECHNOLOGY	N/A	\$1,042,448	\$0) Y			Y	\$109,673	
93 493	93		Congressional Directives (B)	N/A	\$176,470	\$0) Y			Ν		\$176,470
			UNIVERSITY CENTERS FOR EXCELLENCE IN DEVELOPMENTAL DISABILITIES EDUCATION, RESEARCH,									
93 632	32		AND SERVICE	N/A	\$689,491	\$0	Y			Ν		-\$88
93 747	17		ELDER ABUSE PREVENTION INTERVENTIONS PROGRAM	N/A	\$696,076	\$0) Y			Ν		\$696,076
			BASIC APPLIED AND ADVANCE RESEARCH IN SCIENCE AND					National Science Teachers				
12 630	30		ENGINEERING	N/A	\$869,109	\$0) N		23-871-025	N		\$21,996
			BASIC APPLIED AND ADVANCE RESEARCH IN SCIENCE AND					National Science Teachers				A= 0=0
12 630			ENGINEERING	N/A	\$869,109	\$0			24-871-031	<u> </u>		\$5,258
12 740	10		PAST CONFLICT ACCOUNTING	N/A	\$85,546	\$0) N	Ohio State University Office of Housing and	SPC-1000004995	N		\$85,546
14 889	39		TRIBAL HUD-VA SUPPORTIVE HOUSING PROGRAM	N/A	\$34,318	\$0	N	Community Development	CONTRACT# 2020057	Ν		\$198
14 889	39		TRIBAL HUD-VA SUPPORTIVE HOUSING PROGRAM	N/A	\$34,318	\$0	N	Philadelphia Housing	005166	Ν		\$7,892
14 889	39			N/A	\$34,318	\$0	N		005166	Ν		\$26,228
16 045	15		COMMUNITY-BASED VIOLENCE INTERVENTION AND PREVENTION INITIATIVE	N/A	\$108,180	\$0) N	New Kensington Community Development Corporation	TU - 1001	Ν		\$108,180
16 123	23		COMMUNITY_BASED VIOLENCE PREVENTION PROGRAM	N/A	\$193,884	\$0) N	Philadelphia Department of Behavioral Health	18-20438-01	Ν		\$88
					+;			Philadelphia Department of				
16 123	23		COMMUNITY_BASED VIOLENCE PREVENTION PROGRAM	N/A	\$193,884	\$0	N		18-20438-03	Ν		\$807
16 123	23 2	2220224-02	COMMUNITY_BASED VIOLENCE PREVENTION PROGRAM	N/A	\$193,884	\$0	N	Philadelphia Department of Behavioral Health	2220224-02	Ν		\$192,772
16 123	23		COMMUNITY BASED VIOLENCE PREVENTION PROGRAM	N/A	\$193,884	\$0) N	Philadelphia Department of Behavioral Health	2220224	N		\$217
								Pennsylvania Commission				
16 575	/5		CRIME VICTIM ASSISTANCE	N/A	\$340,157	\$0) N	On Crime And Delinquency Pennsylvania Commission	2017-VF-05-28222	<u>N</u>		-\$2,701
16 575	75		CRIME VICTIM ASSISTANCE	N/A	\$340,157	\$0	N	On Crime And Delinquency Pennsylvania Commission	201820192020-VF-05-33217	Ν		\$101,768
16 575	′5		CRIME VICTIM ASSISTANCE	N/A	\$340,157	\$0	N	On Crime And Delinquency	2021-VF-05-40278	Ν		\$241,090
16 582	32		Crime Victim Assistance/Discretionary Grants	N/A	\$999	\$0	N	Pennsylvania Commission On Crime And Delinquency	2015-VT-01-28636	Ν		\$999
			EDWARD BRYNE MEMORIAL JUSTICE ASSISTANCE GRANT					Pennsylvania Commission				
16 738	38		PROGRAM EDWARD BRYNE MEMORIAL JUSTICE ASSISTANCE GRANT	N/A	\$216,201	\$0	N	On Crime And Delinquency Pennsylvania Commission	2017-JG-LS-28510	Ν		-\$3,188
16 738	8		PROGRAM	N/A	\$216,201	\$0	N	On Crime And Delinquency	2018-JG-LS-32768	Ν		-\$6,949
16 738	38			N/A	\$216,201	\$0	N	Pennsylvania Commission On Crime And Delinquency	2022-JG-SS-39823	Ν		\$131,379
			EDWARD BRYNE MEMORIAL JUSTICE ASSISTANCE GRANT					Pennsylvania Commission				
16 738	38		PROGRAM	N/A	\$216,201	\$0) N	On Crime And Delinquency	2021-JG-LS-32768-02	Ν		\$94,959

Agency		Additional Award			Federal Program			Name of Passthrough	Identifying Number Assigned by the Pass- through Entity, if	Federal Award Passed Through to	Passed Through to	Amount
Prefix	Extension	Identification	Federal Program Name	Cluster Name	Total	Cluster Total	Award		assigned	Subrecipients	Subrecipients	-
16	U09	15PBJA-21-GG-	US DEPARTMENT OF JUSTICE CONTRACT	N/A	\$61,103	\$0	N	Mt. Vernon Manor, Inc.	15PBJA-21-GG-04111-BCJI	N		\$61,103
17	261		Workforce Data Quality Initiative (WDQI)	N/A	\$5,687	\$0	N	Philadelphia Youth Network,		N		\$4,007
17	261		Workforce Data Quality Initiative (WDQI)	N/A	\$5,687	\$0	N	Philadelphia Youth Network,		N		\$1,680
1/	270		Reentry Employment Opportunities	N/A	\$1,091	\$0	N	City of Philadelphia	MPXX1600099	N		\$1,091
			COVID-19 CORONAVIRUS STATE AND LOCAL FISCAL		A E 000 000	4 0		Pennsylvania Department Of				
21	027	COVID-19	RECOVERY FUNDS	N/A	\$5,238,030	\$0	N	Education	FA-SRS-22-0003	N		\$3,439,785
~ /			COVID-19 CORONAVIRUS STATE AND LOCAL FISCAL		4	**		Pennsylvania Commission				
21	027	COVID-19	RECOVERY FUNDS	N/A	\$5,238,030	\$0	N	On Crime And Delinquency		Ν		\$510,226
			COVID-19 CORONAVIRUS STATE AND LOCAL FISCAL		A E 000 000	4 0		Pennsylvania Department Of				4000 00 (
21	027	COVID-19	RECOVERY FUNDS	N/A	\$5,238,030	\$0	N	Education	GRANT# 064	N		\$299,994
			COVID-19 CORONAVIRUS STATE AND LOCAL FISCAL					Pennsylvania Department Of				
21	027	COVID-19	RECOVERY FUNDS	N/A	\$5,238,030	\$0	N	Education	FC: 4100096364	N		\$201,143
			COVID-19 CORONAVIRUS STATE AND LOCAL FISCAL					National Opinion Reseach				
21		COVID-19	RECOVERY FUNDS	N/A	\$5,238,030	\$0	N	Center	G324.Temple.01	N		\$130,744
32		ACOGP2340201-01	FEDERAL COMMUNICATIONS COMMISSION CONTRACT	N/A	\$7,976	\$0	N	Technology Learning	ACOGP2340201-01	N		\$7,976
43	U11	2901-TU-NASAF84H	NATIONAL AIR & SPACE ADMINISTRATION CONTRACT	N/A	\$242	\$0	N	Pennsylvania State	2901-TU-NASAF84H	N		\$242
59	037		SMALL BUSINESS DEVELOPMENT CENTERS	N/A	\$446,089	\$0	N	Kutztown University	SBA20180713	N		-\$14,003
59	037		SMALL BUSINESS DEVELOPMENT CENTERS	N/A	\$446,089	\$0	N	Kutztown University	SBA20210411	N		\$1,959
								Pennsylvania Department Of				
84	002		ADULT EDUCATION - BASIC GRANTS TO STATES	N/A	\$313,480	\$0	N	Education	UNKNOWN	Ν		-\$1,558
								Pennsylvania Department Of				
84	002		ADULT EDUCATION - BASIC GRANTS TO STATES	N/A	\$313,480	\$0	N	Education	UNKNOWN	N		-\$12,465
								Pennsylvania Department Of				
84	002		ADULT EDUCATION - BASIC GRANTS TO STATES	N/A	\$313,480	\$0	N	Education	GRANT# 064	N		-\$551
								Pennsylvania Department Of				
84	002A		ADULT EDUCATION: BASIC GRANTS TO STATES	N/A	\$3,017	\$0	N	Education	FA-064-23-0030	N		\$3,017
			CAREER AND TECHNICAL EDUCATION BASIC GRANTS TO					Pennsylvania Department Of				
84	048		STATES	N/A	\$1,040,084	\$0	N	Education	PROJECT# FA-119-18-0001	N		\$158
			CAREER AND TECHNICAL EDUCATION BASIC GRANTS TO					Pennsylvania Department Of				
84	048		STATES	N/A	\$1,040,084	\$0	N	Education	FA-119-22-0004	N		-\$175
			CAREER AND TECHNICAL EDUCATION BASIC GRANTS TO					Pennsylvania Department Of				
84	048		STATES	N/A	\$1,040,084	\$0	N	Education	FA-119-23-0004	N		\$26,050
			CAREER AND TECHNICAL EDUCATION BASIC GRANTS TO					Pennsylvania Department Of				
84	048		STATES	N/A	\$1,040,084	\$0	N	Education	FA-119-24-1002	Ν		\$1,014,051
84	196		Education for Homeless Children and Youth (A)	N/A	-\$22,093	\$0	N	Philadelphia School District	UNKNOWN	N		-\$22,093
			EDUCATION RESEARCH, DEVELOPMENT AND									
84	305A		DISSEMINATION	N/A	\$68,142	\$0	N	WestEd	S-00018320	N		\$68,142
								Pennsylvania Department Of				
84	367		SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS	N/A	\$49,166	\$0	N	Education	071-130100	Ν		\$1,885
								Pennsylvania Department Of				
84	367		SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS	N/A	\$49,166	\$0	N	Education	524-23-0008	Ν		\$47,281
			TRANSITION PROGRAMS FOR STUDENTS WITH									
84	407		INTELLECTUAL DISABILITIES INTO HIGHER EDUCATION	N/A	\$71,748	\$0	N	Millersville University	PO# 4500635820	Ν		\$64,576
								Pennsylvania Department Of	-			
84	424		Student Support and Academic Enrichment Program (A)	N/A	-\$975	\$0	N	Education	CONTRACT NO: 2086/F20	Ν		-\$975
			COVID-19 EDUCATION STABILIZATION FUND UNDER THE					Pennsylvania Department Of				
84	425C	COVID-19	CORONAVIRUS AID, RELIEF, AND ECONOMIC SECURITY ACT	N/A	\$625,101	\$0	N	Education	S425C200013	Ν		-\$32
			COVID-19 EDUCATION STABILIZATION FUND UNDER THE									
84	425U	COVID-19	CORONAVIRUS AID, RELIEF, AND ECONOMIC SECURITY ACT	N/A	\$250,014	\$0	N	School District of Phila	3750	Ν		\$250,014
			State and Territorial and Technical Assistance Capacity									
93	006		Development Minority HIV/AIDS Demonstration Program	N/A	-\$14	\$0	N	Jumpstart National	GRANT NUMBER 610200	Ν		-\$14
			SPECIAL PROGRAMS FOR THE AGING, TITLE IV, TITLE II,					Pennsylvania Department of				
03	048		DISCRETIONARY PROJECTS	N/A	-\$13,651	\$0	N	Aging	SAP VENDOR NUM 117671	Ν		-\$13,651
33					· · ·							· · ·
55								Pennsylvania Department of				

Federal Agency Prefix	ALN Three Digit Extension	Additional Award Identification	Federal Program Name	Cluster Name	Federal Program Total	Cluster Total	Direct Award	Name of Passthrough Entity	Identifying Number Assigned by the Pass- through Entity, if assigned	Federal Award Passed Through to Subrecipients	Amount Passed Through to Subrecipients	Amount Expended
			COOPERATIVE AGREEMENTS TO PROMOTE ADOLESCENCE									
93	079		HEALTH THROUGH SCHOOL-BASED HIV/STD PREVENTION AND SCHOOL-BASED SURVELLIANCE	N/A	-\$10,984	\$C) N	Pennsylvania Department Of Education	PO#: 4300565576	Ν		\$119
			COOPERATIVE AGREEMENTS TO PROMOTE ADOLESCENCE									·
			HEALTH THROUGH SCHOOL-BASED HIV/STD PREVENTION		* • • • • • •	•		Pennsylvania Department Of				.
)3	079		AND SCHOOL-BASED SURVELLIANCE Affordable Care Act (ACA) Personal Responsibility Education	N/A	-\$10,984	\$0) N	Education Pennsylvania Department of	4100086633	N		-\$11,103
93	092		Program (A, B)	N/A	\$117,022	\$0	N	Health	SAP# :4100095359	Ν		\$117,022
			MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED					The Children's Hospital of				
)3	110		PROGRAMS MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED	N/A	\$38,956	\$0) N	Philadelphia The Children's Hospital of	PO#962251-RSUB-	Ν		\$190
)3	110		PROGRAMS	N/A	\$38,956	\$0) N	Philadelphia	3204510621/ PO# 20213726	Ν		-\$417
	110		MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED		\$00,000	φ0		The Children's Hospital of				φ117
93	110		PROGRAMS	N/A	\$38,956	\$0) N	Philadelphia	3204510622 PO# 20286408	Ν		\$39,183
	407		COMMUNITY PROGRAMS TO IMPROVE MINORITY HEALTH	N1/A	415 040	.		National Network of Public				\$40 500
)3	137		GRANT PROGRAM COORDINATED SERVICES AND ACCESS TO RESEARCH FOR	N/A	-\$15,616	\$0) N	Health Institutes	G2447_AG-1077	N		-\$12,583
)3	153		WOMEN, INFANTS, CHILDREN, AND YOUTH	N/A	\$3,006	\$0	N	Access Matters	186306	Ν		\$1,885
			COORDINATED SERVICES AND ACCESS TO RESEARCH FOR									+ _)
	153		WOMEN, INFANTS, CHILDREN, AND YOUTH	N/A	\$3,006) N	Access Matters	216306	Ν		\$1,121
	217		FAMILY PLANNING SERVICES	N/A	\$0	\$0	/ 11	Access Matters	210601	N		-\$128,213
	217		FAMILY PLANNING SERVICES FAMILY PLANNING SERVICES	N/A	\$0	\$0 \$0		Access Matters	210601-1	<u>N</u>		\$36,273
13	217		AFFORDABLE CARE ACT (ACA) ABSTINENCE EDUCATION	N/A	\$0	\$U) N	Access Matters Pennsylvania Department of	230601	N		\$91,940
)3	235		PROGRAM	N/A	\$37,542	\$0) N	Health	4100082233	Ν		\$37,542
						·		Philadelphia Department of				. ,
93	243		SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES	N/A	\$1,012,896	\$0) N	Behavioral Health	2220321	Ν		-\$7,249
	0.40			N17A	¢4,040,000	.		Philadelphia Department of	0000001 00	N		\$004.000
13	243		SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES	N/A	\$1,012,896	\$0		Behavioral Health Philadelphia Department of	2220321-02	N		\$331,303
)3	243		SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES	N/A	\$1,012,896	\$0) N	Behavioral Health	2220321	Ν		\$688,842
						·		Regents of the University Of				
	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	N/A	\$12,353,267	\$0	N	Michigan	SUBK00019572	Ν		\$234,312
)3	279		DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	N/A	\$12,353,267	\$0) N	George Washington	R01DA054751	Ν		\$97,025
			ACTIVITIES TO SUPPORT STATE, TRIBAL, LOCAL AND					Pennsylvania Department of				
13	391		TERRITORIAL (STLT) HEALTH DEPARTMENT RESPONSE TO PUBLIC HEALTH OR HEALTHCARE CRISES	N/A	\$1,904,894	\$0		Health	4100090589	v	\$1,868	\$1,904,894
.0	001		STRENGTHENING PUBLIC HEALTH SYSTEMS AND SERVICES		φ1,004,004	ψυ		neatti	410000000	'	φ1,000	φ1,004,004
			THROUGH NATIONAL PARTNERSHIPS TO IMPROVE AND					Association of State and				
)3	421		PROTECT THE NATION'S HEALTH	N/A	\$499,451	\$0) N	Territorial Health Officials	0242 OO-FE-2052-05-00	Ν		\$173,190
								Philadelphia Mental Health				
	558		TEMPORARY ASSISTANCE FOR NEEDY FAMILIES	N/A	\$206,835	\$0) N	Care Corporation		N		\$294
13	558		TEMPORARY ASSISTANCE FOR NEEDY FAMILIES	N/A	\$206,835	\$0		Philadelphia Works Public Health Management	CONTRACT# 090-20-336-1	N		\$9,064
)3	558		TEMPORARY ASSISTANCE FOR NEEDY FAMILIES	N/A	\$206,835	\$0) N	Corporation	UNKNOWN	Ν		\$129,287
	558		TEMPORARY ASSISTANCE FOR NEEDY FAMILIES	N/A	\$206,835	\$0	_	City of Philadelphia	090-22-336-1	Ν		\$68,035
			Developmental Disabilities Basic Support and Advocacy					Pennsylvania Department Of				
93	630		Grants (A)	N/A	\$291,486	\$0) N		4100079063	N		-\$17
)3	630		Developmental Disabilities Basic Support and Advocacy Grants (A)	N/A	\$291,486	\$0		Pennsylvania Developmental Disabilities		Ν		\$4,207
	000		Section 9813: State Planning Grants for Qualifying Community		φ231,400	φU		Pennsylvania Department of		IN		φ4,207
93	639		Based Mobile Crisis Intervention Services	N/A	\$102,301	\$0) N	Human Services	4100096245	Ν		\$102,301
						·		Philadelphia Dept of Human				
	659		Adoption Assistance (A)	N/A	\$4,793	\$0) N		17-20451	Ν		\$4,793
)3												
	667		Social Services Block Grant	N/A	\$676	\$0		Philadelphia Department of Public Health	CONTRACT# 17-20317-04	Ν		\$471

TEMPLE UNIVERSITY - OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS FOR THE YEAR ENDED JUNE 30, 2024

Federal Agency Prefix	ALN Three Digit Extension	Additional Award Identification	l Federal Program Name	Cluster Name	Federal Program Total	Cluster Total	Direct Award	t Name of Passthrough d Entity	Identifying Number Assigned by the Pass- through Entity, if assigned	Federal Award Passed Through to Subrecipients	Amount Passed Through to Subrecipients	Amount Expended
93	674		CHAFEE FOSTER CARE INDEPENDENCE PROGRAM	N/A	\$4,013	\$0	N	Valley Youth House	23-1365971	Ν		\$4,013
93	914		HIV EMERGENCY RELIEF PROJECT GRANTS	N/A	\$104,756	\$0	Ν	AIDS Activities Coordinating	2120606-02	Ν		\$104,756
93	918		GRANTS TO PROVIDE OUTPATIENT EARLY INTERVENTION SERVICES WITH RESPECT TO HIV DISEASE	N/A	\$10,206	\$0	N	Philadelphia Department of Public Health	2220191	Ν		\$10,206
					. ,	· · ·		AIDS Activities Coordinating				. ,
93	940		HIV PREVENTION ACTIVITIES HEALTH DEPARTMENT BASED	N/A	\$17,196	\$0	Ν	Office	2120558	Ν		\$17,196
			Maternal and Child Health Services Block Grant to the States					National Nurse-Led Card				
93	994		(A)	N/A	\$502,879	\$0	Ν	Consortium	UNKNOWN	Ν		\$455
			Maternal and Child Health Services Block Grant to the States					Pennsylvania Department of				
93	994		(A)	N/A	\$502,879	\$0	Ν	Health	4100095921	Ν		\$502,424
								Legal Action of the City of				
93		SAMHSA	NATIONAL INSTITUTES OF HEALTH CONTRACT	N/A	\$12,227	\$0	N	New York, Inc.	UNKNOWN	N		\$12,227
93		10T20D034479-01	NATIONAL INSTITUES OF HEALTH CONTRACT	N/A	\$83,372	\$0	N	George Mason University	E2060461	Ν		\$83,372
94	006		AMERICORPS STATE AND NATIONAL	N/A	\$35,560	\$0	N	Jumpstart National	2920200	N		\$521
94	006		AMERICORPS STATE AND NATIONAL	N/A	\$35,560	\$0	N	Jumpstart National	2920230	N		\$35,039
			DISASTER GRANTS - PUBLIC ASSISTANCE (PRESIDENTIALLY					Pennsylvania Emergency				
97	036		DECLARED DISASTERS)	N/A	\$3,409,219	\$0	N	Management Agency	PEMA-DAP-9	N		\$3,337,955
			DISASTER GRANTS - PUBLIC ASSISTANCE (PRESIDENTIALLY					Philadelphia Department of				
97	036		DECLARED DISASTERS)	N/A	\$3,409,219	\$0	Ν	Public Health	NH23IP922583	N		\$71,240
			DISASTER GRANTS - PUBLIC ASSISTANCE (PRESIDENTIALLY									
97	036		DECLARED DISASTERS)	N/A	\$3,409,219	\$0	Ν	Pmhcc	NU50CK000521	N		\$24
									TOTAL EXPENDITURES OF FEDE	RALAWARDS	\$13,390,491	\$528,257,065

See notes to Schedules of Expenditures of Federal Awards

NOTES TO SCHEDULE OF EXPENDITURES – FEDERAL AWARDS FOR THE YEAR ENDED JUNE 30, 2024

(1) **BASIS OF PRESENTATION**

The accompanying Schedule of Expenditures of Federal Awards (the "Schedule") summarizes the expenditures of Temple University – Of The Commonwealth System of Higher Education ("Temple") under programs of the federal government for the year ended June 30, 2024. The information in the Schedule is presented in accordance with the requirements of *Title 2 U.S. Code of Federal Regulations ("2 CFR") Part 200, Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* ("Uniform Guidance"). The Schedule does not include the federal funding awarded to Temple University Health System, Inc. and its subsidiaries ("TUHS"). A separate audit in accordance with the U.S. Office of Management and Budget ("OMB") Compliance Supplement was performed for TUHS for the year ended June 30, 2024.

Because the Schedule presents only a selected portion of the operations of Temple University, it is not intended to, and does not, present the financial position, revenues, expenses, and changes in net assets of Temple. For the purposes of the Schedule, federal awards include all grants, contracts, and similar agreements entered into directly between Temple and agencies or departments of the federal government and all subawards to Temple by nonfederal organizations pursuant to federal grants, contracts, and similar agreements.

Temple's consolidated financial statements include the consolidated operations of Temple University Health System, Inc. and its subsidiaries, which received federal awards, which are not included in Temple's Schedule of Expenditures of Federal Awards for the year ended June 30, 2024.

Federally guaranteed loans issued to students of Temple directly by Temple are also included in the Schedule.

Negative amounts shown on the Schedule represent adjustments or credits made in the normal course of business to amounts reported as expenditures in prior years. Pass-through entity identifying numbers are presented where available.

Assistance Listing Numbers ("ALN") numbers are from those published by the Office of Management and Budget and the General Services Administration. As provided for in 2 CFR section 200.42(b); Programs without an ALN number are presented with only the federal agency's two-digit prefix followed by the abbreviation "RD" for those programs in the research and development cluster or "U" (i.e. unknown) and sequentially numbered by federal agency in place of a ALN number. The federal agency two-digit prefixes are as follows:

Prefix	Federal Agency
10	Department of Agriculture
11	Department of Commerce
12	Department of Defense
14	Department of Housing and Urban Development
15	Department of the Interior
16	Department of Justice
17	Department of Labor
19	Department of State
20	Department of Transportation
21	Department of the Treasury
32	Federal Communication Commission
43	National Aeronautics & Space Administration
45	National Foundation on the Arts and the Humanities
47	National Science Foundation
59	Small Business Administration
64	Department of Veterans Affairs
81	Department of Energy
84	Department of Education
93	Department of Health and Human Services
94	Corporation for National and Community Service
95	Executive Office of the President
97	Department of Homeland Security
98	Agency for International Development

The Schedule is presented using the accrual basis of accounting. Expenditures are recognized following the cost principles contained in the Uniform Guidance, wherein certain types of expenditures are not allowable or are limited as to reimbursement. Pass-through entity identifying numbers are presented where available.

The consolidated financial statements and accompanying notes have been prepared in accordance with accounting principles generally accepted in the United States of America for not-for-profit organization.

(2) **INDIRECT COSTS**

Temple does not elect to use the de minimis indirect cost rate allowed under the Uniform Guidance.

(3) FEDERAL STUDENT LOAN PROGRAMS

Federally guaranteed loans (including subsidized and nonsubsidized loans) issued to students of Temple directly by Temple during the year ended June 30, 2024, are summarized below:

	ALN	Amount
	<u>Number</u>	Authorized
Direct Parent Plus Loans	84.268	\$ 62,313,853
Direct Graduate Plus Loans	84.268	58,276,082
Direct Subsidized Loans	84.268	43,860,564
Direct Unsubsidized Loans	84.268	137,182,681
		\$ 301,633,180

Temple is responsible only for the performance of certain administrative duties with respect to the federally guaranteed student loan programs; therefore, the net assets and transactions for those programs are not included in the Temple's consolidated financial statements.

Temple also participated in and administers the following student loan programs:

		Loans Outstanding	Loans Made During Year
	ALN	as of	Ended
	Number	June 30, 2024	June 30, 2024
Perkins Loans	84.038	\$ 8,602,630	\$ -
Health Professionals	93.342	23,266,329	2,698,525
Student Loans and Loans			
for Disadvantaged Students			
Nursing Student Loans	93.364	419,203	192,584
		\$ 32,288,162	<u>\$ 2,891,109</u>

Temple accounts for such loan programs in separate revolving loan funds. As such, the balances and transactions of these loan programs are recorded in Temple's consolidated financial statements. The amounts on the Schedule for these loan programs also include expenditures for the administrative costs of the respective programs.

(4) SUBRECIPIENTS

Uniform Guidance defines a subrecipient as a nonfederal entity that receives a subaward from a pass-through entity to carry out part of a federal program but does not include an individual who is a beneficiary of such program or payments to a contractor. A contractor is an entity that receives a contract by which a nonfederal entity purchases property or services needed to carry out the project or program under a federal award. A nonfederal entity may concurrently receive federal funds as a recipient, subrecipient, and contractor, depending on the substance of its agreements with federal awarding agencies and pass-through entities. Therefore, Temple must make case-by-case determinations whether each agreement it makes for the disbursement of federal program funds casts the party receiving the funds as a subrecipient or a contractor based on the Uniform Guidance definitions and management's judgement. The total amount identified as provided to subrecipients during the year ended June 30, 2024, was \$13,390,491.

SCHEDULE OF FINDINGS AND QUESTIONED COSTS – FEDERAL AWARDS FOR THE YEAR ENDED JUNE 30, 2024

SECTION I—SUMMARY OF AUDITOR'S RESULTS

Financial Statements

Type of report the auditor issued on whether the financial statements audited were prepared in accordance with GAAP: **UNMODIFIED**

Internal control over financial reporting:						
Material weakness (es) identified?	yes	<u>X</u> no				
• Significant deficiency (ies) identified?	yes	<u>X</u> none reported				
Noncompliance material to financial statements noted?	yes	<u> </u>				
Federal Awards						
Internal control over major federal programs:						
• Material weakness (es) identified?	yes	<u>X</u> no				
• Significant deficiency (ies) identified?	yes	\underline{X} none reported				
Type of auditor's report issued on compliance for major feder	ral programs: UNMODIF	IED				
Any audit findings disclosed that are required to be reported in accordance with 2 CFR 200.516(a)?	<u> </u>	no				
Identification of major federal programs: Research and Development Cluster (See Schedule of Federal Expenditures for various ALN #) Coronavirus State and Local Fiscal Recovery Funds (ALN # 21.027) Activities to Support State, Tribal, Local and Territorial (STLT) Health Department Response to Public Health or Healthcare Crises (ALN # 93.391)						
Dollar threshold used to distinguish between type A and type B programs:	\$ 3,000,000					
Auditee qualified as low-risk auditee?	<u>X</u> yes	no				

SECTION II—FINANCIAL STATEMENT FINDINGS

The audit disclosed no items required to be disclosed in this section.

SECTION III—FEDERAL AWARD FINDINGS AND QUESTIONED COSTS

See pages 110-111

Reference Number: 2024-001

Federal Agency: National Institutes of Health
Federal Program: Research and Development Cluster
Pass-through: University of Pennsylvania; University of Alabama at Birmingham
ALN Number: 93.242; 93.279; and 93.847
Contract numbers: # 5RO1-MH-128155-03; 1DP2DA056172-01; K01DA046308; 5R01DK108438-05
Compliance Requirement: Equipment and Real Property Management
Type of Finding: Deficiency-Non-Compliance

(1) CRITERIA

Equipment and Real Property Management - As stated in *Uniform Grant Guidance* – section 200.313 Requirements for Equipment and Real Property Management; Non-federal entities other than states must follow 2 CFR sections 200.313(c) through (e) which require that:

- Equipment, including replacement equipment, be used in the program or project for which it was acquired as long as needed, whether or not the project or program continues to be supported by the federal award or, when appropriate, under other federal awards; however, the non-federal entity must not encumber the equipment without prior approval of the federal awarding agency (2 CFR sections 200.313(c) and (e)).
- When original or replacement equipment acquired under a federal award is no longer needed for a federal program (whether the original project or program or other activities currently or previously supported by the federal government), the non-federal entity must request disposition instructions from the federal awarding agency if required by the terms and conditions of the award. Items of equipment with a current per-unit fair market value of \$5,000 or less may be retained, sold, or otherwise disposed of with no further obligation to the federal awarding agency. If the federal awarding agency fails to provide requested disposition instructions within 120 days, items of equipment with a current per unit fair market value in excess of \$5,000 may be retained or sold. The federal awarding agency is entitled to the federal interest in the equipment, which is the amount calculated by multiplying the current market value or sale proceeds by the federal agency's participation in total project costs (2 CFR section 200.313(e)).

(2) CONDITION/PERSPECTIVE

The University has policies and procedures regarding Equipment and Real Property management.

We tested the Research and Development Cluster; Program's - Novel Macrophage-Tropic Transmitted Founder Shiv Model Of CNS Persistence To Evaluate CrsprCas9 Gene Editing (ALN # 93.242) ; HIV and Cocaine Drive Bone-Marrow Blood (BMB) Barrier Dysfunction and Altered Hematopoietic Stem Cell (HSC) Differentiation Leading to Chronic Immune Activation (ALN # 93.279); Role of Patrolling Monocytes in Cerebral Vascular Repair during HIV Substance Abuse (ALN # 93.279); Effect Of Pitavastatin On Kidney Function In HIV-Infected Persons (ALN # 93.847) Program's Equipment and Real Property management compliance. Based on our review of the Equipment and Real Property for this program, we noted that the original Project was transferred to another University.

We noted that out of 40 samples selected for equipment compliance test, 4 equipment value greater than \$5,000 was also transferred to another University. The Program investigator carried the equipment assigned to another University where the project was transferred. The university did not obtain disposition instructions from the funding agency.

Reference Number: 2024-001 (Continued)

Federal Agency: National Institutes of Health
Federal Program: Research and Development Cluster
Pass-through: University of Pennsylvania; University of Alabama at Birmingham
ALN Number: 93.242; 93.279; and 93.847
Contract numbers: # 5RO1-MH-128155-03; 1DP2DA056172-01; K01DA046308; 5R01DK108438-05
Compliance Requirement: Equipment and Real Property Management
Type of Finding: Deficiency-Non-Compliance

(3) CAUSE

The University did not obtain disposition instructions from the funding agency of transfer of Equipment to another university.

(4) **EFFECT**

The University may be considered non-compliant related to Equipment and Real Property management compliance as required by 2 CFR section 200.313(c).

(5) REPEAT FINDING

No.

(6) **QUESTIONED COST**

Cannot be determined.

(7) **RECOMMENDATION**

When original or replacement equipment acquired under a federal award is no longer needed or transferred for a federal program (whether the original project or program or other activities currently or previously supported by the federal government), the non-federal entity must request disposition instructions from the federal awarding agency.

(8) VIEWS OF RESPONSIBLE OFFICIAL

Temple concurs with the finding. We have already reached out to the specified sponsors to provide documentation about the equipment that was transferred along with the award and requesting retroactive disposition instructions. We are also conducting a review of all transferred awards that have occurred in the past fiscal year, to determine if any of them have a similar situation.

Temple will update its equipment management policy to explicitly address procedures for equipment transfers between institutions. Additionally, we will add equipment transfers as an explicit item in our PI transfer checklist.

We will also update the training program provided to equipment managers to address transferring of equipment.

Also, see "Corrective Action Plan".

SCHEDULE OF PRIOR YEAR FINDINGS – FEDERAL AWARDS FOR THE YEAR ENDED JUNE 30, 2024

Prior year audit Schedule of Findings and Questioned Costs did not contain any findings; therefore, no items required to be reported in this section.

CITY OF PHILADELPHIA AWARDS SECTION



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INDEPENDENT AUDITOR'S REPORT ON COMPLIANCE FOR EACH MAJOR CITY OF PHILADELPHIA AWARDS; REPORT ON INTERNAL CONTROL OVER COMPLIANCE AND REPORT ON SCHEDULE OF EXPENDITURES OF CITY OF PHILADELPHIA AWARDS; REQUIRED BY THE *CITY OF PHILADELPHIA SUBRECIPIENT AUDIT GUIDE*

To the Board of Trustees Temple University – Of The Commonwealth System of Higher Education Philadelphia, Pennsylvania

Report on Compliance for Each Major City of Philadelphia Award

Opinion on Each Major City of Philadelphia Award

We have audited Temple University – Of The Commonwealth System of Higher Education's ("Temple") compliance with the types of compliance requirements identified as subject to audit in the *City of Philadelphia Subrecipient Audit Guide* that could have a direct and material effect on each of Temple's major City of Philadelphia awards for the year ended June 30, 2024. Temple's major City of Philadelphia awards are identified in the summary of auditor's results section of the accompanying schedule of findings and questioned costs - City of Philadelphia awards.

In our opinion, Temple complied, in all material respects, with the compliance requirements referred to above that could have a direct and material effect on each of its major City of Philadelphia awards for the year ended June 30, 2024.

Our audit, described below, did not include the operations of Temple Educational Support Services, Ltd; Temple University School of Podiatric Medicine, Inc.; Good Samaritan Insurance Co. Ltd.; TUMP Offices, Inc.; Global Technology Management Corp.; Temple University Health System Foundation; TUH - Jeanes Campus Auxiliary; Temple Health Subsidiaries, Inc.; Temple Physicians, Inc.; Temple Faculty Practice Plan, Inc.; Episcopal Hospital; TUHS Insurance Company, Ltd.; Temple Health Transport Team, Inc.; Temple Center for Population Health, LLC; American Oncologic Hospital d/b/a The Hospital of Fox Chase Cancer Center; Fox Chase Limited; Institute for Cancer Research d/b/a The Research Institute of Fox Chase Cancer Center; Fox Chase Cancer Center Medical Group, Inc.; Fox Chase Network, Inc.; because these subsidiaries did not receive City of Philadelphia awards subject to audit in accordance with the *City of Philadelphia Subrecipient Audit Guide*. As discussed in Note 1, Temple's consolidated financial statements include the consolidated operations of Temple University Temple, Inc. and its subsidiary, Temple University Hospital Inc.; (collectively referred to herein as "TUHS"), which expended City of Philadelphia awards for the year ended June 30, 2024. Our audit, described below, does not include City of Philadelphia awards to TUHS, because a separate audit in accordance with the *City of Philadelphia Subrecipient Audit Guide*.

Basis for Opinion on Each City of Philadelphia awards

We conducted our audit of compliance in accordance with auditing standards generally accepted in the United States of America (GAAS); the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States (*Government Auditing Standards*); and the audit requirements of *City of Philadelphia Subrecipient Audit Guide*. Our responsibilities under those Standards and the *City of Philadelphia Subrecipient Audit Guide* are further described in the Auditor's Responsibilities for the Audit of Compliance section of our report.

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

Responsibilities of Management for Compliance

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

Auditor's Responsibilities for the Audit of Compliance

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

In performing an audit in accordance with GAAS, *Government Auditing Standards*, and the *City of Philadelphia Subrecipient Audit Guide*, we

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material noncompliance, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding Temple's compliance with the compliance requirements referred to above and performing such other procedures as we considered necessary in the circumstances.
- Obtain an understanding of Temple's internal control over compliance relevant to the audit in order to design audit procedures that are appropriate in the circumstances and to test and report on internal control over compliance in accordance with the *City of Philadelphia Subrecipient Audit Guide*, but not for the purpose of expressing an opinion on the effectiveness of Temple's internal control over compliance. Accordingly, no such opinion is expressed.

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

Report on Internal Control Over Compliance

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

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

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

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 *City of Philadelphia Subrecipient Audit Guide*. Accordingly, this report is not suitable for any other purpose.

Report on Schedule of Expenditures of City of Philadelphia Awards required by the City of Philadelphia Subrecipient Audit Guide

We have audited the financial statements of Temple as of and for the year ended June 30, 2024, and have issued our report thereon dated October 28, 2024, which contained an unmodified opinion on those financial statements. Our audit was conducted for the purpose of forming an opinion on the financial statements as a whole. The accompanying schedule of expenditures of City of Philadelphia awards is presented for purposes of additional analysis as required by the *City of Philadelphia Subrecipient Audit Guide* and is not a required part of the 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 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 financial statements 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 City of Philadelphia awards is fairly stated in all material respects in relation to the financial statements as a whole.

Delatte & Touche LLP

March 31,2025

SCHEDULE OF EXPENDITURES OF CITY OF PHILADELPHIA AWARDS

FOR THE YEAR ENDED JUNE 30, 2024

Grantor/Pass-Through Grantor Program Title	Agency Number	ALN Number	2024 Subrecipient Federal	2024 Subrecipient State	2024 Subrecipient City	2024 Total Federal	2024 Total State	2024 Total City	2024 Subrecipient Expenditures	2024 Total Expenditures
City of Philadelphia Awards (City funds noted below may have been j and may be included in the federal schedule):	passed through federal ager	ncies								
Direct Awards:										
Philadelphia Department of Human Services										
FY18 -Grandma's Kids (DHS)	17-20130-01		\$-	\$-	\$-\$; - \$	(340) \$	-	\$-	\$ (340
Grandma'S Kids - Family Friends Program FY21	CONTRACT#: 2120137		-	-	-	-	(774)	-	-	(774
Grandma'S KidsFamily Friends Program Fy22	2120137		-	-	-	-	67	-	-	67
Grandma's KidsFamily Friends Program FY23	2120137-02		-	-	-	-	-	1,675	-	1,675
Grandma's KidsFamily Friends Program FY24	2120137-03		-	-	-	-	-	149,252	_	149,252
Classroom Space Rental at TUCC, FY2017	17-20451	93.659	_	_	-	4,793	_	145,252	_	4,793
TempleCares Adult Digital LiteracyWorkforce Initiative	2420266	93.558	-	-		68,035	-	-		68,035
Classroom Rental for the City of Philadelphia Department of Licenses and		95.556	-	-	-	08,055	-	-	-	08,055
								(50)		(50
Inspections, FY2018	MPXX18000299		-	-	-	-	-	(59)	-	(59
			Ş -	\$ -	\$ - \$	5 72,828 \$	(1,047) \$	150,868	\$ -	\$ 222,649
Philadelphia Department of Behaviorial Health and Disability Service	28									
Philadelphia CeasefireCure Violence Hospital Responder Intervention										
Team (P-CfCv)	18-20438-01	16.123	\$-	\$-	\$-\$		- \$	-	\$-	\$ 88
Philadelphia CeasefireCure Violence Program Fy21	18-20438-03	16.123	-	-	-	807	-	-	-	807
Philadelphia CeasefireCure Violence Program Fy22	2220224	16.123	-	-	-	217	-	-	-	217
Cure Violence Program - FY24	2220224-02	16.123	-	-	-	192,772	-	-	-	192,772
Support Services Navigation & Housing Services For Individuals With										
Opioid Use Disorder	CONTRACT# 18- 20214-02		-	-	-	-	-	530	-	530
Intellectual Disability Service	CONTRACT#: 21-20007		-	-	-	-	-	(4,511)	-	(4,511
Intellectual Disability Service	2120007-03		-	-	-	-	-	420,125	-	420,125
Intellectual Disability Service	2120007	93.788	-	-	-	2,967	3,907	362	-	7,236
Philadelphia Recast Program	2220321	93.243	-	-	-	(7,249)	-		_	(7,249
Philadelphia Recast Program	2220321-02	93.243	_	_	-	331,303	_	_	-	331,303
Philadelphia Recast Program	2220321-02	93.243 93.243	-	-	-	688,842	-	-	-	688,842
	2220521	95.245	- ¢	- \$ -		•	3,907 \$	416,506	\$ -	
			Ş -	Ş -	Ş - ;	5 1,209,747 Ş	5,907 \$	410,500	Ş -	\$ 1,050,100
Philadelphia Department of Public Health										
Detection Of Sars-Cov-2 In Wastewater For Public Health Surveillance	2220502	93.323	\$ -	\$-	\$ - \$	5 17,293 \$	- \$	-	\$-	\$ 17,293
City of Philadelphia Intellectual Disability Services	CONTRACT#: 17-20317		-	-	-	-	-	203	-	203
Temple Wedge Opioid Center for Excellence	CONTRACT# 17-20317		-	-	-	-	-	(521)	-	(521
Classroom Space Rental Contract With The Philadelphia Department Of								(321)		(321
Licenses And Inspections For Fy2018-19.	MPXX19000086		_	_	_	_	_	163	_	163
Intellectual Disability Service	CONTRACT# 17-20317-04	02 667	-	-	_	471	620		_	
•	CUNTRACI# 17-20317-04	93.667	-	-	-	4/1	020	57	-	1,148
Classroom Rental Space Contract With The City Of Philadelphia	MDV/V20000000							4 070		4 0 - 0
Department Of Licenses And Inspections	MPXX20000038		-	-	-	-	-	1,270	-	1,270
North East Health Enterprise Zone (Hez)	2020599		-	-	-	-	-	97	-	97
Meritzu	NU50CK000521	97.036	-	-	-	71,240	-	-	-	71,240
Phl Airport Passenger Surveys	2220081-01		-	-	-	-	-	17,032	-	17,032
Health Centers 3 & 4n	2220191	93.918	-	-	-	10,206	-	-	-	10,206
Ryan White HIVAIDS Treatment Extension Act of 2009 Services FY 2020 -										
Continuation for FY23	2120606-02	93.914		-	-	104,756		-		104,756
			¢ .	\$ -	\$ - \$	203,966 \$	620 \$	18,301	\$-	\$ 222,887

SCHEDULE OF EXPENDITURES OF CITY OF PHILADELPHIA AWARDS

FOR THE YEAR ENDED JUNE 30, 2024

Grantor/Pass-Through Grantor Program Title	Agency Number	ALN Number	2024 Subrecipient Federal	2024 Subrecipient State	Subre	024 cipient :ity	2024 Total Federal	2024 Total State	2024 Total City	2024 Subrecipient Expenditures	2024 Total Expenditures
Mayor's Fund For Philadelphia, Inc. Phlconnected Caregiver Digital Literacy Initiative Igc - Phlconnected- School-Based Digital Supports Grant	2022- CAREGIVERS-06 2022-SCHOOL-BASED-04		\$	\$-	\$	- \$ -	- \$ -	- \$ -	14,251 6,728	\$	\$ 14,251 6,728
Temple Tech For Philly - Temple U Computer Recycling Center's Partnershiop With The #Phldonatetech Initiative Which Is A Citywide Effort To Encourage Individuals And Businesses To Donate Their Used	02446.002								(800)		(800)
Computers To City Residents Who Lack A Working Computer	93446-003		- \$ -	- \$ -	\$	- - \$	- \$	- - \$	(800) 20,179	- \$ -	(800) \$ 20,179
City of Philadelphia Water Department Development Of Polymerase Chain Reaction (Pcr) Capabilities At The Philadelphia Water Department'S Central Laboratory	1920233			<u>\$</u> - \$-	\$	- \$ - \$	- \$ - \$	- \$ - \$	(139)		
City of Philadelphia Professional Services Micro Purchase Provider	Amonut			·			· ·		<u> </u>	·	<u> </u>
Branching Up - Internship Component Branching Up	NO ID PROVIDED NO ID PROVIDED		\$ - -	\$	\$	- \$ -	- \$ -	- \$ -	26,730 23,478	\$- -	\$ 26,730 23,478
2023 GED Testing in Philadelphia Department of Prisons 2024 GED Testing Services at the Philadelphia Department of Prisons	NO ID PROVIDED 2420546		-	-		-	-	-	3,019 3,382	-	3,019 3,382
			\$-	\$-	\$	- \$	- \$	- \$	56,609	\$-	\$ 56,609
Office of Housing and Community Development				4	4		100 4				
Norris Afterschool Program (Ohcd)	CONTRACT# 2020057	14.889	\$ - \$ -	Ŷ	\$ \$	- \$ - \$	198 \$ 198 \$	- \$ - \$	-	\$- \$-	\$ 198 \$ 198
Philadelphia Housing Authority											
Sharswood Choice Community Health Worker	5166	14.889	\$-	\$-	\$	- \$	7,892	- \$	3,714	-	\$ 11,606
Sharswood Choice Community Health Worker	5166	14.889	-	-		-	26,228	-	12,342	-	38,570
PHA CARES (Community Action, Resources and Educational Services)	5271		-	-		-	-	-	7,318	-	7,318
Pha Cares (Covid-19 Action Response And Educational Services)	4970		-	-		164,041	-	-	291,731	164,041	291,731
Pha Cares (Covid-19 Action Response And Educational Services)	4970		- \$ -	- \$ -	\$	47,092 211,133 \$	- 34,120 \$	- - \$	172,804 487,909	47,092 \$ 211,133	172,804 \$ 522,029
Total City of Philadelphia Direct Awards			<u>ې -</u>	\$-	\$	211,133 \$	1,520,859 \$	3,480 \$	1,150,233	\$ 211,133	\$ 2,674,572

NOTES TO SCHEDULE OF EXPENDITURES – CITY OF PHILADELPHIA AWARDS FOR THE YEAR ENDED JUNE 30, 2024

(1) DESCRIPTION OF BUSINESS AND OPERATIONS

Founded in 1884, Temple University – Of The Commonwealth System of Higher Education ("Temple") is a comprehensive state-related research university with its headquarters and largest campus located in Philadelphia, Pennsylvania. With 17 schools and colleges, eight campuses, and approximately 35,700 undergraduate, graduate, and professional students.

(2) BASIS OF PRESENTATION – SCHEDULE OF EXPENDITURES OF CITY OF PHILADELPHIA AWARDS

The accompanying Schedule of Expenditures of City of Philadelphia Awards (the "Schedule") summarizes the expenditures of Temple under programs of the City of Philadelphia for the year ended June 30, 2024. The information in the Schedules is presented in accordance with the requirements of *City of Philadelphia Subrecipients Audit Guide*. The Schedule does not include the City of Philadelphia funding awarded to Temple University Health System, Inc. and its subsidiaries.

(3) BASIS OF ACCOUNTING

The Schedule is presented using the accrual basis of accounting. For the purposes of the Schedule, City of Philadelphia awards include all grants, contracts, and similar agreements entered into directly between Temple and agencies or departments of the City of Philadelphia local government and all subawards to Temple by nonfederal organizations pursuant to City of Philadelphia grants, contracts, and similar agreements, except for Temple University Health System, Inc. and its subsidiaries as noted above.

SCHEDULE OF FINDINGS AND QUESTIONED COSTS - CITY OF PHILADELPHIA AWARDS

FOR THE YEAR ENDED JUNE 30, 2024

SECTION I—SUMMARY OF AUDITOR'S RESULTS							
Financia	al Statements						
		tor issued on wh	ether the consolidat	ed financial st	tatements audited	were prepared	l in
accordar	nce with GAAI	P: UNMODIFI	ED				
City of I	Philadelphia A	wards					
Internal	control over m	ajor City of Phil	adelphia Awards:				
•	Material weak	mess (es) identifi	ed?		yes		<u>X no</u>
•		ficiency (ies) ide			yes		one reported
Гуре of a	auditor's repor	t issued on comp	liance for major Cit	y of Philadelp	hia Awards: UN	MODIFIED	
			quired to be reported a Subrecipient Audit		yes		<u>X no</u>
ALN #	Federal Program Name	Total Research and Development	Total per Schedule of Expenditures of City of Philadelphia Awards	Federal	State of Pennsylvania	City of Philadelphia	
Various	Research and Development Cluster	\$125,297,900	\$24,529	\$20,260	\$3,907	\$362	
ALN # Program/Cluster Name Age							
ALIN#	Philadelphia Department of Behavioral Health and Disability Services						
	ohia Department o	f Behavioral Health				<u>Agency #</u>	<u>Amount</u>
Philadelp	ohia Department o Intellectual Disabi					<u>Agency #</u> 2120007	
Philadelp 93.788 Philadelp	Intellectual Disabi bhia Department o	ility Services f Public Health	and Disability Services				\$ 7,236.0
Philadelp 93.788 Philadelp	Intellectual Disabi bhia Department o	ility Services f Public Health	and Disability Services	illance			\$ 7,236.0 \$ 17,293.0
Philadelp 93.788 Philadelp	Intellectual Disabi bhia Department o	ility Services f Public Health	and Disability Services	illance	lphia	2120007	\$ 7,236.0 \$ 17,293.0
Philadelp 93.788 Philadelp 93.323	Intellectual Disabi phia Department o Detection Of Sars	ility Services <u>f Public Health</u> -Cov-2 In Wastewate	and Disability Services	illance n City of Philade	-	2120007	\$ 7,236.0

SCHEDULE OF FINDINGS AND QUESTIONED COSTS - CITY OF PHILADELPHIA AWARDS FOR THE YEAR ENDED JUNE 30, 2024

SECTION II—CITY OF PHILADELPHIA AWARD FINDINGS AND QUESTIONED COSTS

The audit disclosed no items required to be disclosed in this section.

SCHEDULE OF PRIOR YEAR FINDINGS – CITY OF PHILADELPHIA AWARDS FOR THE YEAR ENDED JUNE 30, 2024

Prior year audit City of Philadelphia Schedule of Findings and Questioned Costs did not contain any findings; therefore, no items required to be reported in this section.

PENNSYLVANIA DEPARTMENT OF HEALTH SECTION

Deloitte.

Deloitte & Touche LLP 1700 Market Street Philadelphia, PA 19103 USA

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REPORT ON SCHEDULE OF REVENUE FOR THECOMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF HEALTH REQUIRED BY THE *PENNSYLVANIA DEPARTMENT OF HEALTH AUDIT GUIDANCE*

To the Board of Trustees Temple University–Of The Commonwealth System of Higher Education Philadelphia, Pennsylvania

We have audited the financial statements of Temple University – Of The Commonwealth System of Higher Education's ("Temple") as of and for the year ended June 30, 2024, and have issued our report thereon dated October 28, 2024, which contained unmodified opinions on those financial statements. Our audit was conducted for the purpose of forming an opinion on the financial statements as a whole. The accompanying Schedule of Revenue for the Commonwealth of Pennsylvania Department of Health is presented for purposes of additional analysis as required by the *Pennsylvania Department of Health Audit Guide* and is not a required part of the 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 financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the 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 Revenue for the Commonwealth of Health is fairly stated in all material respects in relation to the financial statements as a whole.

Delatte & Touche LLP

March 31, 2025

SCHEDULE OF EXPENDITURES OF STATE OF PENNSYLVANIA AWARDS FOR THE YEAR ENDED JUNE 30, 2024

Grantor/Pass-Through Grantor Program Title	Pass-Through Grantor	Agency Number	ALN <u>Number</u>	2024 Beginning Balance Deferred Revenue (Accounts Receivable)	Recognized Revenue FY24	Cash Receipts FY24	Ending Balance Deferred Revenue (Accounts Receivable)
FY2006 PA Commonwealth Universal Research Enhancement (CURE) Formula Funding	Pennsylvania Department of Health	4100037827		\$ 1,151	\$ (1,151)	\$ -	\$ -
FY2010 PA Commonwealth Universal Research Enhancement (CURE) Formula Funding	Pennsylvania Department of Health	4100054871		(1,672)	1,401	271	-
FY2014 PA Commonwealth Universal Research Enhancement (CURE) Formula Funding	Pennsylvania Department of Health	4100068727		(3,360)	3,360	-	-
FY2016 PA Commonwealth Universal Research Enhancement (CURE) Formula Funding	Pennsylvania Department of Health	4100077087		553	(399)	-	153
FY2017 PA Commonwealth Universal Research Enhancement (CURE) Formula Funding	Pennsylvania Department of Health	4100079747		3	-	-	3
FY2018 PA Commonwealth Universal Research Enhancement (CURE) Formula Funding	Pennsylvania Department of Health	4100083099		(1,438)	76,308	-	74,870
FY2019 PA Commonwealth Universal Research Enhancement (CURE) Formula Funding	Pennsylvania Department of Health	4100085728		(443,341)	425,085	(11,978)	(30,234)
FY2020 PA Commonwealth Universal Research Enhancement (CURE) Formula Funding	Pennsylvania Department of Health	4100088561		(1,334,751)	910,310	(31,529)	(455,969)
FY2021 PA Commonwealth Universal Research Enhancement (CURE) Formula Funding	Pennsylvania Department of Health	4100095616		-	316,317	(1,975,178)	(1,658,861)
Mechanisms And Treatment Strategies To Counter Addiction Susceptibility Post Tbi (Non-Formula)	Pennsylvania Department of Health	4100077079		(470,144)	(1,576)	(22,520)	(494,241)
Vascular Contributions To Mechanisms And Biomarkers Of Alzheimer's Disease (Non-Formula)	Pennsylvania Department of Health	4100087336		(2,494,405)	1,394,746	(99,479)	(1,199,138)
Enhancing Healthy Reintegration And Recovery For High-Risk Opioid Users (Non-Formula)	Pennsylvania Department of Health	4100083339		(1,086,331)	636,476	(39,549)	(489,405)
Emergency Preparedness Workshops	Pennsylvania Department of Health	4300468706	93.069	(233)	233	-	-
Teen Outreach Program (TOP)	Pennsylvania Department of Health	4100082233	93.235	245,874	37,542	(273,291)	10,125
Training And Investigative Services	Pennsylvania Department of Health	4100083406	93.778	176,890	174,441	(149,200)	202,131
Pa-Cccp Implementation Services And Workplan Development	Pennsylvania Department of Health	4400017651	93.898	(5,753)	-	-	(5,753)
Pennsylvania Inclusive Health Equity Collaborative	Pennsylvania Department of Health	4100090589	93.391	1,161,949	1,939,020	(2,602,848)	498,121
Colorectal Cancer Screening Program	Pennsylvania Department of Health	4100090593		3,855	-	(3,855)	-
Workforce Development Project at Temple University	Pennsylvania Department of Health	4300733186		121,038	(16,153)	(104,885)	-
Enhancing rehabilitation effectiveness with coactivation of corticospinal neurons	Pennsylvania Department of Health	4100094296		-	151,008	(200,601)	(49,593)
Personal Responsibility Education Program (PREP)	Pennsylvania Department of Health	4100095359		-	121,475	(91,485)	29,990
Teen Outreach Program Replication Partner	Pennsylvania Department of Health	4100095921	93.235	-	489,855	(365,804)	124,051

NOTES TO SCHEDULE OF REVENUE FOR THE COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF HEALTH FOR THE YEAR ENDED JUNE 30, 2024

(1) STATE OF PENNSYLVANIA DEPARTMENT OF HEALTH

State of Pennsylvania Department of Health provides Federal and state financial assistance to Temple University – Of the Commonwealth System of Higher Education ("Temple"). Temple is required to comply with all applicable Federal and state Grant requirements including *Pennsylvania Department of Health Audit Guidance*.

(2) BASIS OF PRESENTATION

The accompanying Schedule of Revenue for the Commonwealth of Pennsylvania Department of Health (the "Schedule") summarizes the deferred revenue, revenue recognized and cash receipts by Pennsylvania Department of Health on an accrual basis of accounting.

The Schedule does not include the federal/State funding awarded to Temple University Health System, Inc. and its subsidiaries ("TUHS"). Separate audits in accordance with the U.S. Office of Management and Budget Compliance Supplement were performed for TUHS for the year ended June 30, 2024.

REFERENCE # 2024-001	ALN Number: 93.242; 93.279; and 93.847 Contract numbers: # 5RO1-MH-128155-03; 1DP2DA056172-01; K01DA046308; 5R01DK108438-05 Deficiency-Non-Compliance
Agency: Criteria:	Equipment and Real Property Management - As stated in <i>Uniform</i> <i>Grant Guidance</i> – section 200.313 Requirements for Equipment and Real Property Management; Non-federal entities other than states must follow 2 CFR sections 200.313(c) through (e) which require that:
	• Equipment, including replacement equipment, be used in the program or project for which it was acquired as long as needed, whether or not the project or program continues to be supported by the federal award or, when appropriate, under other federal awards; however, the non-federal entity must not encumber the equipment without prior approval of the federal awarding agency (2 CFR sections 200.313(c) and (e)).
	• When original or replacement equipment acquired under a federal award is no longer needed for a federal program (whether the original project or program or other activities currently or previously supported by the federal government), the non-federal entity must request disposition instructions from the federal awarding agency if required by the terms and conditions of the award. Items of equipment with a current per-unit fair market value of \$5,000 or less may be retained, sold, or otherwise disposed of with no further obligation to the federal awarding agency. If the federal awarding agency fails to provide requested disposition instructions within 120 days, items of equipment with a current per unit fair market value in excess of \$5,000 may be retained or sold. The federal awarding agency is entitled to the federal interest in the equipment, which is the amount calculated by multiplying the current market value or sale proceeds by the federal agency's participation in total project costs (2 CFR section 200.313(e)).
Condition/Context:	The University has policies and procedures regarding Equipment and Real Property management.
	We tested the Research and Development Cluster; Program's Novel Macrophage-Tropic Transmitted Founder Shiv Model Of CNS Persistence To Evaluate CrsprCas9 Gene Editing (ALN # 93.242) ; HIV and Cocaine Drive Bone-Marrow Blood (BMB) Barrier Dysfunction and Altered Hematopoietic Stem Cell (HSC) Differentiation Leading to Chronic Immune Activation (ALN # 93.279); Role of Patrolling Monocytes in Cerebral Vascular Repair during HIV Substance Abuse (ALN # 93.279); Effect Of Pitavastatin On Kidney Function In HIV- Infected Persons (ALN # 93.847) Program's Equipment and Real Property management compliance. Based on our review of the Equipment and Real Property for this program, we noted that the original Project was transferred to another University.

	We noted that out of 40 samples selected for equipment compliance test, 4 equipment value greater than \$5,000 was also transferred to another University. The Program investigator carried the equipment assigned to another University where the project was transferred. The university did not obtain disposition instructions from the funding agency.
Recommendation:	When original or replacement equipment acquired under a federal award is no longer needed or transferred for a federal program (whether the original project or program or other activities currently or previously supported by the federal government), the non-federal entity must request disposition instructions from the federal awarding agency.
Corrective Action Plan:	Temple concurs with the finding and has contacted the specified sponsors to obtain specific required documentation on transferred equipment and request retroactive disposition instructions. To improve compliance, Temple will update its equipment management policy to include procedures for equipment transfers between institutions. Equipment transfers will also be added to the internal PI transfer checklist.
A stiller Deter	Additionally, we will enhance the training program for equipment managers to cover equipment transfer procedures.
Action Date:	March 24, 2025
Final Implementation Date:	May 31, 2025
Name And Phone Number of Person Responsible for Implementation:	Josh Gladden, (215) 204-3708