

# **Yale University**

**Entity Identification Number: 06-0646973**

**Report on Federal Financial Assistance Programs  
in Accordance with the OMB Uniform Guidance  
For the Year Ended June 30, 2024**

# Yale University

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**PART I**  
**FINANCIAL STATEMENTS**

# **Yale University**

**Financial Statements**  
**June 30, 2024 and 2023**



## **Report of Independent Auditors**

To the President and Fellows of Yale University:

### **Report on the Audit of the Consolidated Financial Statements**

#### ***Opinion***

We have audited the accompanying consolidated financial statements of Yale University and its subsidiaries (the "University"), which comprise the consolidated statements of financial position as of June 30, 2024 and 2023, and the related consolidated statements of activities for the year ended June 30, 2024 and of cash flows for the years ended June 30, 2024 and 2023, including the related notes (collectively referred to as the "consolidated financial statements").

In our opinion, the accompanying consolidated financial statements present fairly, in all material respects, the financial position of the University as of June 30, 2024 and 2023, the changes in its net assets for the year ended June 30, 2024 and its cash flows for the years ended June 30, 2024 and 2023 in accordance with accounting principles generally accepted in the United States of America.

#### ***Basis for Opinion***

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

#### ***Other Matter***

We previously audited the consolidated statement of financial position as of June 30, 2023 and the related consolidated statements of activities and of cash flows for the year then ended (the statement of activities is not presented herein), and in our report dated October 27, 2023, we expressed an unmodified opinion on those consolidated financial statements. In our opinion, the information set forth in the accompanying summarized financial information for the year ended June 30, 2023 is consistent, in all material respects, with the audited consolidated financial statements from which it has been derived.

#### ***Responsibilities of Management for the Consolidated Financial Statements***

Management is responsible for the preparation and fair presentation of the consolidated 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 consolidated financial statements that are free from material misstatement, whether due to fraud or error.



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

### ***Auditors' Responsibilities for the Audit of the Consolidated Financial Statements***

Our objectives are to obtain reasonable assurance about whether the consolidated financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditors' 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 US 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 consolidated financial statements.

In performing an audit in accordance with US 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 consolidated 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 consolidated 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 the University's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the consolidated financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about the University's ability to continue as a going concern for a reasonable period of time.

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

### ***Supplemental Information***

Our audit was conducted for the purpose of forming an opinion on the consolidated financial statements as a whole. The accompanying schedule of expenditures of federal awards for the year ended June 30, 2024 is presented for purposes of additional analysis as required by Title 2 U.S. *Code of Federal Regulations* Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance) and is not a required part of the consolidated 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 consolidated financial statements. The information has been subjected to the auditing procedures applied in the audit of the consolidated financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the consolidated financial statements or to the consolidated 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 consolidated financial statements taken as a whole.

### **Other Reporting Required by *Government Auditing Standards***

In accordance with *Government Auditing Standards*, we have also issued our report dated October 25, 2024 on our consideration of the University's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts and grant agreements and other matters for the year ended June 30, 2024. The purpose of that report is solely to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing and not to provide an opinion on the effectiveness of internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the University's internal control over financial reporting and compliance.

### **Other Information**

Management is responsible for the other information included in the annual report. The other information comprises the Yale University Financial Report 2023-2024 (not presented herein), but does not include the consolidated financial statements and our auditors' report thereon. Our opinion on the consolidated financial statements does not cover the other information, and we do not express an opinion or any form of assurance thereon.

In connection with our audit of the consolidated financial statements, our responsibility is to read the other information and consider whether a material inconsistency exists between the other information and the consolidated financial statements or the other information otherwise appears to be materially misstated. If, based on the work performed, we conclude that an uncorrected material misstatement of the other information exists, we are required to describe it in our report.

*PricewaterhouseCoopers LLP*

Boston, Massachusetts  
October 25, 2024

# Yale University Consolidated Statements of Financial Position

as of June 30, 2024 and 2023 (\$ in thousands)

	2024	2023
<b>Assets:</b>		
Cash and cash equivalents	\$ 1,058,065	\$ 845,424
Accounts receivable, net	463,305	410,200
Contributions receivable, net	850,238	960,379
Notes receivable	77,533	84,427
Investments, at fair value	46,117,492	45,679,156
Right of use assets	139,717	272,115
Other assets	598,008	425,957
Land, buildings and equipment, net of accumulated depreciation	6,011,123	5,747,983
<b>Total assets</b>	<b>\$ 55,315,481</b>	<b>\$ 54,425,641</b>
<b>Liabilities:</b>		
Accounts payable and accrued liabilities	\$ 745,779	\$ 609,528
Advanced payments and other deposits	199,050	219,969
Lease liabilities	200,868	351,122
Other liabilities	1,120,497	1,219,944
Liabilities under split-interest agreements	136,931	132,280
Bonds and notes payable	4,847,302	5,137,633
Liabilities associated with investments	2,028,004	2,027,204
<b>Total liabilities</b>	<b>\$ 9,278,431</b>	<b>\$ 9,697,680</b>
<b>Net Assets:</b>		
Net assets without donor restrictions: Yale University	\$ 9,831,692	\$ 9,140,807
Net assets without donor restrictions: non-controlling interests	3,499	3,061
Total net assets without donor restrictions	9,835,191	9,143,868
Net assets with donor restrictions	36,201,859	35,584,093
<b>Total net assets</b>	<b>\$ 46,037,050</b>	<b>\$ 44,727,961</b>
<b>Total liabilities and net assets</b>	<b>\$ 55,315,481</b>	<b>\$ 54,425,641</b>

# Yale University Consolidated Statement of Activities

for the year ended June 30, 2024 with summarized comparative totals for the year ended June 30, 2023 (\$ in thousands)

	Without Donor Restrictions	With Donor Restrictions	2024	2023
<b>Operating</b>				
<i>Revenues and releases:</i>				
Net tuition, room and board	\$ 471,578	\$ -	\$ 471,578	\$ 458,307
Grant and contract income, primarily for research and training	1,191,507	-	1,191,507	1,038,268
Medical services income, net	1,587,178	-	1,587,178	1,421,914
Contributions	14,149	154,770	168,919	134,004
Allocation of endowment spending from financial capital	550,173	1,394,621	1,944,794	1,752,375
Other investment income	160,327	7,069	167,396	81,911
Other income	223,827	62	223,889	216,987
<b>Total revenues</b>	<b>4,198,739</b>	<b>1,556,522</b>	<b>5,755,261</b>	<b>5,103,766</b>
Net assets released from restrictions	1,440,567	(1,440,567)	-	-
<b>Total revenues and releases</b>	<b>\$ 5,639,306</b>	<b>\$ 115,955</b>	<b>\$ 5,755,261</b>	<b>\$ 5,103,766</b>
<i>Expenses:</i>				
Salaries and wages	\$ 2,546,768	\$ -	\$ 2,546,768	\$ 2,328,136
Employee benefits	799,156	-	799,156	744,823
Depreciation, amortization and interest	470,601	-	470,601	441,202
Other operating expenditures	1,595,729	-	1,595,729	1,422,107
<b>Total expenses</b>	<b>5,412,254</b>	<b>-</b>	<b>5,412,254</b>	<b>4,936,268</b>
<b>Increase in net assets from operating activities</b>	<b>227,052</b>	<b>115,955</b>	<b>343,007</b>	<b>167,498</b>
<b>Non-operating</b>				
Contributions	731	254,687	255,418	325,459
Total endowment return	400,005	1,871,305	2,271,310	758,684
Allocation of endowment spending to operations	(344,118)	(1,600,676)	(1,944,794)	(1,752,375)
Other investment income	203,295	1,013	204,308	198,695
Change in funding status of defined benefit plans	127,572	-	127,572	289,684
Other increases (decreases)	58,081	(6,251)	51,830	44,851
Net assets released from restrictions	18,267	(18,267)	-	-
<b>Increase (decrease) in net assets from non-operating activities</b>	<b>463,833</b>	<b>501,811</b>	<b>965,644</b>	<b>(135,002)</b>
<b>Total increase in net assets - Yale University</b>	<b>690,885</b>	<b>617,766</b>	<b>1,308,651</b>	<b>32,496</b>
<b>Change in non-controlling interests</b>	<b>438</b>	<b>-</b>	<b>438</b>	<b>1,440</b>
<b>Total increase in net assets</b>	<b>691,323</b>	<b>617,766</b>	<b>1,309,089</b>	<b>33,936</b>
<b>Net assets, beginning of year</b>	<b>9,143,868</b>	<b>35,584,093</b>	<b>44,727,961</b>	<b>44,694,025</b>
<b>Net assets, end of year</b>	<b>\$ 9,835,191</b>	<b>\$ 36,201,859</b>	<b>\$ 46,037,050</b>	<b>\$ 44,727,961</b>

# Yale University Consolidated Statements of Cash Flows

for the years ended June 30, 2024 and 2023 (\$ in thousands)

	2024	2023
<b>Operating activities:</b>		
Change in net assets	\$ 1,309,089	\$ 33,936
Adjustments to reconcile change in net assets to net cash used in operating activities:		
Depreciation and amortization	357,618	349,607
Realized and unrealized gain on other investments	(187,476)	(169,278)
Net endowment investment gain	(1,623,747)	(319,868)
Change in non-controlling interests	(438)	(1,440)
Change in funding status of defined benefit plans	(127,572)	(289,684)
Non-operating contributions	(255,418)	(325,459)
Contributed securities	(163,268)	(52,815)
Proceeds from sale of donated securities	33,111	13,881
Other adjustments	94,937	25,891
Changes in assets and liabilities that (use) provide cash:		
Accounts receivable	(53,105)	(4,517)
Contributions receivable	13,674	19,907
Other operating assets	9,323	84,364
Accounts payable and accrued expenses	57,949	(22,142)
Advances under grants and contracts and other deposits	(20,919)	25,375
Other liabilities	(42,511)	(112,029)
<b>Net cash used in operating activities</b>	<b>(598,753)</b>	<b>(744,271)</b>
<b>Investing activities:</b>		
Student loans repaid	10,430	12,380
Student loans granted	(9,552)	(6,946)
Purchases related to capitalized software costs and other assets	(45,594)	(44,727)
Proceeds from sales and maturities of investments	9,826,519	7,895,758
Purchases of investments	(8,398,652)	(6,853,674)
Purchases of land, buildings and equipment	(669,735)	(471,490)
<b>Net cash provided by investing activities</b>	<b>713,416</b>	<b>531,301</b>
<b>Financing activities:</b>		
Proceeds from restricted contributions	351,885	365,666
Proceeds from sale of contributed securities restricted for endowment	130,157	38,934
Contributions received for split-interest agreements	7,488	8,104
Payments made under split-interest agreements	(15,981)	(15,905)
Repayments of long-term debt	(320,142)	(19,313)
Repayments to the Federal government for student loans	(1,687)	(2,040)
<b>Net cash provided by financing activities</b>	<b>151,720</b>	<b>375,446</b>
Net increase in cash and cash equivalents	266,383	162,476
Cash and cash equivalents, beginning of year	938,458	775,982
<b>Cash and cash equivalents, end of year</b>	<b>\$ 1,204,841</b>	<b>\$ 938,458</b>

# Yale University

## Notes to Consolidated Financial Statements

### 1. Significant Accounting Policies

#### a. General

Yale University ("Yale" or the "university") is a private, not-for-profit institution of higher education located in New Haven, Connecticut. The university is governed by the Yale Corporation (the "Corporation" or the board of trustees), a body comprised of the President, ten appointed Successor Trustees, six elected Alumni Fellows, and the Governor and Lieutenant Governor of Connecticut, who are board members *ex officio*.

The university provides educational services primarily to students and trainees at the undergraduate, graduate and postdoctoral levels, and performs research, training and other services under grants, contracts and other similar agreements with agencies of the federal government and other sponsoring organizations. The university's academic organization includes Yale College, the Graduate School of Arts and Sciences, thirteen professional schools and a variety of research institutions and museums. The largest professional school is the Yale School of Medicine, which conducts medical services in support of its teaching and research missions.

#### b. Basis of Presentation

The consolidated financial statements of the university include the accounts of academic and administrative departments of the university, and affiliated organizations which are required to be consolidated under the applicable accounting guidance.

The university measures aggregate net assets and net asset activity based on the absence or existence of donor-imposed restrictions. Net assets are reported as without donor restrictions and with donor restrictions and serve as the foundation of the accompanying consolidated financial statements. Brief definitions of the two net asset classes are presented below:

*Net Assets Without Donor Restrictions* - Net assets derived from tuition and other institutional resources that are not subject to explicit donor-imposed restrictions. Net assets without donor restrictions also include board-designated funds functioning as endowment.

*Net Assets With Donor Restrictions* - Net assets that are subject to explicit donor-imposed restrictions on the expenditure of contributions, including those given to be maintained in perpetuity; income and gains on contributed assets subject to donor-imposed restrictions not yet appropriated for spending by the Corporation and student loan funds. In addition, net assets with donor restrictions include restricted contributions from donors classified as funds functioning as endowment. Restrictions include support of specific schools or departments of the university, for professorships, research, faculty support, scholarships and fellowships, library and art museums, building construction and other purposes. When time and purpose restrictions expire, net assets with donor restrictions are reclassified to net assets without donor restrictions.

*Measure of Operations* - The university's measure of operations as presented in the consolidated statement of activities includes revenue from tuition (net of certain scholarships and fellowships) and fees, grants and contracts, medical services (net of contractual discounts from third-party payors and implicit price concessions to uninsured patients), contributions for operating programs, other investment income, the allocation of endowment spending for operations and other income. Operating expenses are reported on the consolidated statement of activities by natural classification.

The university's non-operating activity within the consolidated statement of activities includes contributions to the university's endowment and for building construction and renovation, investment returns and other activities related to endowment, unrealized gains and losses on interest rate swaps and long-term benefit plan obligation funding changes.

*Liquidity* - The university's financial assets available within one year of the date of the consolidated statement of financial position for general expenditure as of June 30 are as follows, in thousands of dollars:

	2024	2023
Total assets, at year end	\$ 55,315,481	\$ 54,425,641
Less nonfinancial assets:		
Land, buildings and equipment, net of accumulated depreciation	6,011,123	5,747,983
Other assets	598,008	425,957
Right of use assets	139,717	272,115
Financial assets, at year end	48,566,633	47,979,586
Less those unavailable for general expenditure within one year due to contractual or donor-imposed restrictions:		
Restricted by donor with time or purpose restrictions	750,898	855,395
Subject to appropriation and satisfaction of donor restrictions including board-designated endowments	43,040,576	42,273,707
Other long-term notes receivable	77,533	84,427
Financial assets available to meet cash needs for general expenditures within one year	\$ 4,697,626	\$ 4,766,057

The university has \$4,697.6 million of financial assets that are available within one year of the date of the 2024 consolidated statement of financial position to meet cash needs for general expenditure consisting of cash of \$1,058.1 million, accounts receivable of \$463.3 million, contributions receivable of \$99.3 million, and short-term investments of \$3,076.9 million. In addition to these available financial assets, a significant portion of the university's annual expenditures will be funded by current year operating revenues including tuition, grant and contract income and medical services income. The university has a policy to structure its financial assets to be available as its general expenditures, liabilities, and other obligations come due. As part of its liquidity management, the university invests cash in excess of daily requirements in various short-term investments, including U.S. government instruments.

Additionally, the university has board-designated funds of \$7,243.9 million. Although the university does not intend to spend from this endowment, other than amounts appropriated for general expenditure as part of its annual budget approval and appropriation process, amounts from its board-designated funds could be made available if necessary. However, both the board-designated funds and

donor-restricted endowments contain investments with lock-up provisions that would reduce the total investments that could be made available, as described in Note 2.

**c. Cash and Cash Equivalents**

Cash and cash equivalents are recorded at cost, which approximates fair value due to their short-term nature and include institutional money market funds and similar temporary investments with maturities of three months or less at the time of purchase. Cash and short-term investments awaiting investment in the long-term investment pool are reported as investments and totaled \$956.7 million and \$1,210.2 million at June 30, 2024 and 2023, respectively. Short-term investments included in the long-term investment pool which may otherwise qualify as cash equivalents under the university's policy are accounted for as investments by policy and are accordingly not included within these cash disclosures.

Supplemental disclosures of cash flow information include the following, in thousands of dollars:

		2024		2023
Cash paid during the year for interest	\$	88,074	\$	119,350
Noncash investing activities:				
Land, buildings and equipment purchases payable to vendor	\$	58,101	\$	61,359

The following table summarizes supplemental cash flow information related to leases for the years ended June 30, in thousands of dollars:

		2024		2023
Cash paid for amounts included in measurement of liabilities:				
Operating cash flows from financing leases	\$	6,213	\$	7,462
Operating cash flows from operating leases		11,656		12,165
Financing cash flows from financing leases		8,395		8,366
Non-cash lease related items:				
Financing leases reclassified to land, buildings and equipment, net of accumulated depreciation due to the exercise of a purchase option	\$	152,220	\$	-
ROU assets obtained in exchange for new and remeasured financing liabilities		16,612		120,137
ROU assets obtained in exchange for new and remeasured operating liabilities		8,675		3,237

The following table provides a reconciliation of amounts reported within the consolidated statements of financial position that sum to the total of the amount shown in the consolidated statement of cash flows for the years ended June 30, in thousands of dollars:

	2024	2023
Cash and cash equivalents	\$ 1,058,065	\$ 845,424
Cash included in investments, at fair value	146,776	93,034
Total cash and cash equivalents shown in the consolidated statements of cash flows	\$ 1,204,841	\$ 938,458

#### **d. Investments**

*Fair Value* - The university's investments are recorded in the consolidated financial statements at fair value.

Fair value is a market-based measurement based on assumptions that market participants would use in pricing an asset or liability. As a basis for considering assumptions, a three-tier fair value hierarchy has been established which categorizes the inputs used in measuring fair value. The hierarchy of inputs used to measure fair value and the primary methodologies used by the university to measure fair value include:

- *Level 1* - Quoted prices for identical assets and liabilities in active markets. Market price data is generally obtained from relevant exchange or dealer markets.
- *Level 2* - Inputs, other than the quoted prices in active markets, that are observable either directly or indirectly, such as quoted prices for similar assets or liabilities, quoted prices in markets that are not active, or other inputs that are observable.
- *Level 3* - Unobservable inputs for which there is little or no market data, requiring the university to develop its own assumptions.

Assets and liabilities measured at fair value are determined based on the following valuation techniques:

- *Market approach* - Prices and other relevant information generated by market transactions involving identical or comparable assets or liabilities; and/or
- *Income approach* - Techniques to convert future amounts to a single present amount based on market expectations, including present value techniques and option-pricing models.

The fair value of publicly traded fixed income and equity securities is based upon quoted market prices and exchange rates, if applicable. The fair value of direct real estate investments is determined from periodic valuations prepared by independent appraisers.

Investments are exposed to various risks, such as interest rate, market and credit risks. Due to the level of risk associated with certain investments, it is at least reasonably possible that changes in the values of investments will occur in the near term and that such changes could materially affect the amounts reported in the university's consolidated financial statements.

*Derivatives* - Derivative financial instruments in the investment portfolio include interest rate swaps which are recorded at fair value with the resulting gain or loss recognized in the consolidated statement of activities.

*Resell and Repurchase Agreements* - Cash paid relating to resell agreements is generally collateralized by federal agency and foreign debt securities. The university takes possession of the underlying collateral and monitors the value of the underlying collateral to the amount due under the agreement. Cash received under repurchase agreements is collateralized by investments in asset-backed securities, corporate debt, federal agency debt, and foreign debt securities. Collateral fair value is monitored to the amounts due under the agreements.

*Management Fees* - The university records the cost of managing its endowment portfolio as a decrease in non-operating activity as a component of total endowment return within the applicable net asset class in the consolidated statement of activities. Management fees consist of the internal costs of the university's Investments Office (the "Investments Office"), outside custodian fees, and fees for external investment managers and general partners.

*Total Return* - The university invests its endowment portfolio and allocates the related earnings for expenditure in accordance with the total return concept. A distribution of endowment return that is independent of the cash yield and appreciation of investments earned during the year is provided for program support. The university has adopted a current endowment spending policy in accordance with the Uniform Prudent Management of Institutional Funds Act ("UPMIFA") as adopted in the State of Connecticut, designed specifically to stabilize annual spending levels and to preserve the real value of the endowment portfolio over time. The spending policy attempts to achieve these two objectives by using a long-term targeted spending rate combined with a smoothing rule, which adjusts spending gradually to changes in the endowment's fair value. An administrative charge is assessed against the funds when distributed.

To the extent that a donor-restricted endowment fund falls below its historic dollar value a deficit would exist, and it would be reported as a reduction of net assets with donor restrictions. Spending from an endowment fund in a deficit position would continue under the spending policy so long as the fund's value is more than 70% of its historical dollar value. At June 30, 2024, there were 265 endowment funds in a deficit position totaling \$10.0 million in aggregate, the fair value of which totaled \$530.7 million with a corresponding historic dollar value of \$540.7 million. At June 30, 2023, there were 323 endowment funds in a deficit position totaling \$14.0 million in aggregate, the fair value of which totaled \$512.8 million with a corresponding historic dollar value of \$526.8 million.

The university uses a long-term targeted spending rate of 5.25%. The spending amount is calculated using 80% of the previous year's spending and 20% of the targeted long-term spending rate applied to the fair value at the start of the prior year. The spending amount determined by the formula is adjusted for inflation and taxes and constrained so that the calculated rate is at least 4.0% and not more than 6.5% of the endowment's fair value as of the start of the prior year. The actual rate of spending for 2024 and 2023, when measured against the previous year's June 30<sup>th</sup> endowment fair value, was 4.8% and 4.3%, respectively.

The university determines the expected return on endowment investments with the objective of producing a return exceeding the sum of inflation and the target spending rate. Asset allocation is the key factor driving expected return. Yale's asset allocation policy combines tested theory and informed market judgment to balance investment risks with the need for high returns. Both the need to provide resources for current operations and the desire to preserve the purchasing power of assets lead the endowment to be weighted toward equity investments.

The university manages the majority of its endowment in its Long-Term Investment Pool (the "Pool"). The Pool is unitized and allows for efficient investment among a diverse group of funds with varying restricted purposes. In addition to university funds, the Pool includes assets of affiliated entities where the university has established investment management agreements.

#### **e. Leases**

At the inception of an arrangement, the university determines if an arrangement is, or contains, a lease based on the unique facts and circumstances present in that arrangement. Lease classification, recognition, and measurement are then determined as of the lease commencement date. For arrangements that contain a lease, the university (i) identifies lease and non-lease components, (ii) determines the consideration in the contract, (iii) determines whether the lease is an operating or financing lease, and (iv) recognizes lease right of use ("ROU") assets and lease liabilities. Lease liabilities and their corresponding ROU assets are recorded based on the present value of lease payments over the expected lease term. The interest rate implicit in lease contracts is typically not readily determinable, and as such, the university uses its incremental borrowing rate based on the information available at the lease commencement date, a rate which represents one that would be incurred to borrow, on a collateralized basis, over a similar term, an amount equal to the lease payments in a similar economic environment. Some leases include options to renew and/or terminate the lease, which can impact the lease term. The exercise of these options is at the university's discretion and the university does not include any of these options within the expected lease term where it is not reasonably certain that these options will be exercised.

Fixed, or in-substance fixed, lease payments on operating leases are recognized over the expected term of the lease on a straight-line basis, while fixed, or in-substance fixed, payments on financing leases are recognized using the effective interest method. Variable lease expenses that are not considered fixed, or in-substance fixed, are recognized as incurred. Fixed and variable lease expense on operating leases is recognized within other operating expenditures in the consolidated statement of activities. Financing lease ROU asset amortization and interest costs are recorded within depreciation, amortization and interest in the consolidated statement of activities. The university has elected the short-term lease exemption and, therefore, does not recognize a ROU asset or corresponding liability for lease arrangements with an original term of 12 months or less.

Operating and financing leases are included in right of use assets and lease liabilities in the university's consolidated statements of financial position as of June 30, 2024 and 2023.

The university is a lessor of portions of certain buildings owned for retail and research purposes. Leases are generally five-year terms or less and are classified as operating leases. These leasing arrangements are not material to the consolidated financial statements.

**f. Land, Buildings and Equipment**

Land, buildings, and equipment are generally stated at cost. Annual depreciation is calculated on a straight-line basis over the lesser of the remaining useful lives or the lease term for financing leases, ranging from 15 to 50 years for buildings and improvements and 4 to 15 years for equipment.

**g. Other Assets**

Other assets include prepaid pension costs, insurance receivables, capitalized software costs, deferred expenses, and inventories. Capitalized software costs are amortized on a straight-line basis over the estimated useful lives of the software, ranging from 5 to 10 years.

**h. Collections**

Collections at Yale include works of art, literary works, historical treasures, and artifacts that are maintained in the university's museums and libraries. These collections are protected and preserved for public exhibition, education, research, and the furtherance of public service. Collections are not capitalized; purchases of collection items are recorded as expenses in the university's consolidated statement of activities in the period in which the items are acquired.

**i. Split-Interest Agreements**

The university's split-interest agreements with donors consist primarily of charitable gift annuities, pooled income funds, and irrevocable charitable remainder trusts for which the university serves as trustee. Assets are invested and payments are made to donors and/or other beneficiaries in accordance with the respective agreements.

Contribution revenue related to charitable gift annuities and charitable remainder trusts is recognized at the date the agreements are established. In addition, the fair value of the estimated future payments to be made to the beneficiaries under these agreements is recorded as a liability. For pooled income funds, contribution revenue is recognized upon establishment of the agreement at the fair value of the estimated future receipts, discounted for the estimated time period until culmination of the agreement.

**j. Beneficial Interest in Trust Assets**

The university is the beneficiary of certain irrevocable perpetual trusts and charitable remainder trusts held and administered by others. The estimated fair values of trust assets are recognized as assets and as gift revenue when reported to the university.

**k. Net Tuition, Room and Board**

Tuition, room and board revenue is generated from an enrolled student population of approximately 15,100 and 14,800 in 2024 and 2023, respectively, and is recognized in the period in which it satisfies its performance obligations. Net tuition, room and board revenue from undergraduate enrollment represents approximately 62.9% and 62.5% of total tuition, room and board revenue in 2024 and 2023, respectively.

The university maintains a policy of offering qualified applicants admission to Yale College without regard to financial circumstance, as well as meeting in full the demonstrated financial need of those admitted. Student need in all programs throughout the university is generally fulfilled through a

combination of scholarships and fellowships, loans and employment during the academic year. Tuition, room and board revenue has been reduced by certain scholarships and fellowships in the amounts of \$487.4 million and \$460.1 million in 2024 and 2023, respectively.

## **l. Contributions**

Unconditional promises to give that are expected to be collected within one year are recorded at their net realizable value. Amounts expected to be collected in future years are recorded at the present value of estimated future cash flows, which includes estimates for potential uncollectible receivables. The discount on those contributions is computed using an interest rate that reflects the time value of money applicable to the year in which the promise is received. Amortization of the discount is included in contribution revenue.

Contributions are considered conditional when the underlying agreement includes a performance barrier and a right of return or a right to release promised assets exists. Conditional promises to give are not recognized as revenue until the performance barrier and the right of return or release have been overcome.

## **m. Grant and Contract Income**

The university receives grant and contract income for exchange and non-exchange agreements from both governmental and private sources. Revenue from exchange agreements is recognized when performance obligations are met. Revenue from conditional non-exchange agreements is recognized as performance barriers are overcome and as the university overcomes either a right of return of assets transferred or the right of release of a promisor's obligation to transfer assets. Grant and contract revenue from conditional non-exchange agreements is generally recognized as qualified costs of sponsored programs are incurred. At June 30, 2024 and 2023, the university has research activities which are contractually authorized by the sponsor, but for which costs have not yet been incurred, totaling \$1,819.2 million and \$1,649.0 million, respectively.

In 2024 and 2023, grant and contract income from the federal government totaled \$898.7 million and \$776.8 million, respectively. Recovery of facilities and administrative costs of federally sponsored programs is at rates negotiated with the university's cognizant agency, the Department of Health and Human Services. The current negotiated rates will expire on June 30, 2028. New rates will be negotiated based on actual costs incurred in fiscal year 2027.

## **n. Medical Services Income, Net**

The university provides medical care to patients primarily under agreements with third-party payors, including health maintenance organizations, that provide payment for medical services at amounts different from standard rates established by the university. The university determines performance obligations based on the nature of the services provided and recognizes revenue as it satisfies those performance obligations. Generally, these performance obligations are satisfied at the point in time the service is provided.

Medical services income is reported net of contractual discounts from third-party payors and implicit price concessions to uninsured patients. The university estimates the discounts based on contractual agreements and estimates the implicit price concessions based on its historical collection experience with these classes of patients.

The following table summarizes patient care revenue for the university, net of allowances and discounts at June 30, in thousands of dollars:

	2024		2023	
Gross revenue	\$	2,734,664	\$	2,546,766
Allowances and discounts		(1,908,480)		(1,788,371)
Total patient care revenue	\$	826,184	\$	758,395

In 2024 and 2023, net patient revenue, included in income from medical services, totaled \$600.1 million and \$553.2 million from insurance companies, \$212.0 million and \$197.4 million from Medicare, \$75.5 million and \$65.9 million from Medicaid, and \$125.8 million and \$107.8 million from other third parties, respectively. In 2024 and 2023, income from medical services is offset by denials, charity care and bad debts of \$187.2 million and \$165.9 million, respectively.

**o. Net Assets Released from Restrictions**

Net assets released from restrictions are based upon the satisfaction of the purpose for which the net assets were restricted or the completion of a time stipulation. Restricted operating activity including contributions and net investment return earned, which are restricted, are reported as net assets with donor restrictions and reclassified to net assets without donor restrictions when any donor-imposed restrictions are satisfied. Non-operating restricted net assets associated with building costs are reclassified to net assets without donor restrictions when the capital asset is placed in service.

**p. Self-Insurance**

The university self-insures at varying levels for unemployment, disability, workers' compensation, property losses, certain healthcare plans, general liability, and professional liability, and obtains coverage through a captive insurance company for medical malpractice and related general liability losses. Insurance is purchased to cover liabilities above self-insurance limits. Estimates of retained exposures are accrued.

**q. Tax Status**

The university has been granted tax-exempt status under section 501(c)(3) of the Internal Revenue Code.

The university is subject to several provisions of the Tax Cuts and Jobs Act (the "Act"), enacted on December 22, 2017. Specifically, the Act introduced excise taxes on net investment income and executive compensation, as well as updated rules for calculating unrelated business taxable income. The university records tax assets and liabilities in its consolidated financial statements based on reasonable estimates determined using current guidance, including the U.S. Treasury Department final regulations. In accordance with the guidance on accounting for uncertainty in income taxes, management regularly evaluates its tax positions and does not believe the university has any uncertain tax positions that require disclosure in or adjustment to the consolidated financial statements.

**r. Estimates**

The preparation of financial statements in accordance with accounting principles generally accepted in the United States of America (“GAAP”) requires management to make estimates and judgments that affect the reported amounts of assets and liabilities and disclosures of contingencies at the date of the consolidated financial statements and the reported amounts of revenues and expenses during the reporting period.

Significant estimates made by management include the valuation of certain investments and interest rate swap agreements, the estimated net realizable value of receivables, estimated asset retirement obligations, liabilities under split interest agreements, estimated tax liabilities, and the actuarially determined employee benefit and self-insurance liabilities. Actual results could differ from those estimates.

**s. Related Parties**

Transactions with related parties occur in the normal course of the university’s activities which do not have a material effect on the university’s financial position. University related parties may include affiliates, trusts, and investment holdings. In addition, related parties may also include The President and Fellows of Yale University and senior management, their family members and any entities with which they are associated that may do business with the university.

The university and Yale New Haven Hospital (the “Hospital”) are parties to an affiliation agreement that establishes guidelines for the operation of activities between these two separate organizations. These guidelines set forth each organization's responsibility under the common goal of delivering comprehensive patient care services. The university provides professional services from faculty of the Yale School of Medicine and a variety of other administrative and clinical services. See additional disclosures in Notes 3 and 5.

**t. Recent Authoritative Pronouncements**

In June of 2022, the Financial Accounting Standards Board (“FASB”) issued new accounting guidance related to the valuation of equity securities subject to contractual sale restrictions. The guidance is required to be implemented in the university’s fiscal year 2026 with early adoption permitted. The standard is not expected to have a significant impact to the university’s consolidated financial statements.

**u. Summarized 2023 Financial Information**

The 2024 consolidated financial statements include selected comparative summarized financial information for 2023. Such information does not include sufficient detail to constitute a presentation in conformity with GAAP. Accordingly, such information should be read in conjunction with the university’s 2023 consolidated financial statements, from which the summarized financial information was derived.

## 2. Investments

The university endowment maintains a diversified investment portfolio with a strong orientation to equity investments and strategies designed to take advantage of market inefficiencies. The university's investment objectives are guided by its asset allocation policy and are achieved in partnership with external investment managers operating through a variety of investment vehicles, including separate accounts, limited partnerships and commingled funds. The university's heavy allocation to non-traditional asset classes, such as marketable alternative strategies, private equity (venture capital and leveraged buyouts) and real assets (real estate, timber, energy and minerals) generates return potential and diversification in the portfolio.

The components of endowment and non-endowment investments, net of related liabilities at June 30 are presented below, in thousands of dollars:

	2024	2023
Endowment investments:		
Long-term investment pool	\$ 41,207,871	\$ 40,428,680
Other	82,089	75,426
Total net endowment investments	41,289,960	40,504,106
Non-endowment investments:		
Long-term investment pool	500,000	300,000
Fixed income	632,122	1,353,074
Derivatives	264,934	109,874
Other	1,398,973	1,381,837
Total non-endowment investments	2,796,029	3,144,785
Net investments, at fair value	\$ 44,085,989	\$ 43,648,891

As described in Note 1d, investments are recorded at fair value. The following tables summarize the fair values of the university's investments by major type and related liabilities as of June 30, in thousands of dollars:

2024		Level 1		Level 2		Level 3	Total
Investments, at fair value:							
Cash and short-term investments	\$	1,280,880	\$	-	\$	-	1,280,880
Fixed income		1,970,194		102		-	1,970,296
Common stock:							
Domestic		1,070,386		12,464		1,134	1,083,984
Foreign		261,217		-		43,082	304,299
Total common stock		1,331,603		12,464		44,216	1,388,283
Other equity investments:							
Developed equities		-		-		1,597,481	1,597,481
Real assets		-		-		375,952	375,952
Venture capital		-		-		128,154	128,154
Total other equity investments		-		-		2,101,587	2,101,587
Other investments		65,664		700,732		364,405	1,130,801
Total leveled investments, at fair value	\$	4,648,341	\$	713,298	\$	2,510,208	7,871,847
Investments at net asset value							38,245,645
Total investments						\$	46,117,492
Liabilities associated with investments:							
Securities sold, not yet purchased	\$	333,645	\$	-	\$	-	333,645
Other liabilities		123,129		42,284		1,528,946	1,694,359
Total liabilities associated with investments	\$	456,774	\$	42,284	\$	1,528,946	2,028,004
Non-controlling interests							3,499
Net investments						\$	44,085,989

2023	Level 1	Level 2	Level 3	Total
Investments, at fair value:				
Cash and short-term investments	\$ 1,261,048	\$ -	\$ -	\$ 1,261,048
Fixed income	3,054,758	1,950	4,335	3,061,043
Common stock:				
Domestic	1,292,811	11,576	1,154	1,305,541
Foreign	281,671	-	42,229	323,900
Total common stock	1,574,482	11,576	43,383	1,629,441
Other equity investments:				
Developed equities	-	-	1,529,689	1,529,689
Real assets	-	-	320,216	320,216
Venture capital	-	-	196,454	196,454
Total other equity investments	-	-	2,046,359	2,046,359
Other investments	50,236	484,940	320,899	856,075
Total leveled investments, at fair value	\$ 5,940,524	\$ 498,466	\$ 2,414,976	8,853,966
Investments at net asset value				36,825,190
Total investments				\$ 45,679,156
Liabilities associated with investments:				
Securities sold, not yet purchased	\$ 500,356	\$ -	\$ -	\$ 500,356
Other liabilities	37,800	22,656	1,466,392	1,526,848
Total liabilities associated with investments	\$ 538,156	\$ 22,656	\$ 1,466,392	2,027,204
Non-controlling interests				3,061
Net investments				\$ 43,648,891

Included within cash and short-term investments are restricted short-term investment balances held as collateral in the amount of \$809.9 million and \$1,117.1 million as of June 30, 2024 and 2023, respectively.

While not part of a leveling category, fair values for certain investments held are based on the net asset value ("NAV") of such investments as determined by the respective external investment managers, including general partners, if market values are not readily ascertainable. These valuations involve assumptions and methods that are reviewed by the Investments Office.

Investments at NAV as of June 30, in thousands of dollars, include:

	2024	2023
Developed equities	\$ 5,499,213	\$ 5,159,727
Emerging equities	1,266,060	1,379,524
Leveraged buyouts	10,685,258	10,041,213
Marketable alternatives	6,141,123	5,443,689
Real assets	4,551,622	4,837,564
Venture capital	10,102,369	9,963,473
Total investments, at NAV	\$ 38,245,645	\$ 36,825,190

Certain investment companies are required to be consolidated for financial reporting purposes, and the related assets and liabilities of those investment companies have been included in these consolidated financial statements. Where such entities are not wholly owned by the university, the portion of the

consolidated entity's net assets that is not owned by the university is reported as a non-controlling interest.

The fair value of consolidated investment company assets and liabilities included in the university's consolidated financial statements, in thousands of dollars, include:

	2024		2023	
Consolidated investment company assets	\$	71,168	\$	90,798
Consolidated investment company liabilities		5,858		4,098
	\$	65,310	\$	86,700

Level 3 investments are valued by the university or by its external investment managers using valuation techniques standard in the industry in which they operate. The Investments Office reviews these valuation methods and evaluates the appropriateness of these valuations each year. In certain circumstances, when the general partner does not provide a valuation or the valuation provided is not considered appropriate, the Investments Office will determine those values. During the year ended June 30, 2024, the university reassessed the NAV for certain investments resulting in a \$193.1 million write down to fair value.

The following table summarizes quantitative inputs and assumptions used for Level 3 investments at June 30, for which fair value is based on unobservable inputs that are not developed by external investment managers. Weighted averages were calculated based on relative fair values. Significant increases or decreases in these unobservable inputs may result in significantly higher or lower valuation results.

Asset Class	Fair Value (in 000s)		Valuation Technique	Significant Unobservable Input	Range		Weighted Average	
	2024	2023			2024	2023	2024	2023
Emerging equities	\$	44,216	\$	43,383	Calibrated price of recent investment	round in private investment	N/A	N/A
					NAV of the underlying fund	NAV of investment holding company	N/A	N/A
Developed equities	\$	1,597,481	\$	1,529,689	Carried interest calculation	Fund high water mark	N/A	N/A
Fixed income	\$	-	\$	4,335	Indicative market quotations	Recent funding activity	N/A	N/A
Real assets	\$	375,952	\$	320,216	Discounted cash flow	Discount rate	8.0 - 12.0%	8.0 - 12.0%
Trusts	\$	225,614	\$	221,845	Net present value	Discount rate	5.0%	4.5%
Venture capital	\$	128,154	\$	196,454	Tax analysis	Likelihood of taxation	0.0%	0.0%
					Write-down	Likelihood of realization	N/A	N/A
Other investments	\$	138,791	\$	99,054	Market comparables	Price per acre	\$10,822 - \$53,288	\$10,822 - \$53,288
Liabilities	\$	(1,528,946)	\$	(1,466,392)	Various methods	University pooled unit market value	\$4,788	\$4,757

The valuation process for investments at NAV and those categorized in Level 3 of the fair value hierarchy includes evaluating the operations and valuation procedures of external investment managers and the transparency of those processes through background and reference checks, attendance at investor meetings, and periodic site visits. In determining the fair value of investments, Investments Office staff

reviews periodic investor reports, interim and annual audited financial statements received from external investment managers, and material quarter over quarter changes in valuation; and assesses the impact of macro market factors on the performance. The Investments Office meets with the Corporation's Investment Committee quarterly to review investment transactions and monitor performance of external investment managers.

Realized and unrealized gains and losses are reported in total endowment return, net of fees. Included in realized and unrealized gain (loss), net in Level 3 reported below were unrealized losses of \$91.9 million and unrealized gains of \$15.5 million that relate to investments held at June 30, 2024 and 2023, respectively.

The tables below present the change in fair value measurements for the university's Level 3 investments during the years ended June 30, in thousands of dollars:

2024	Developed equities	Real assets	Venture capital	Other	Liabilities	Total
Beginning balance	\$ 1,529,689	\$ 320,216	\$ 196,454	\$ 368,617	\$ (1,466,392)	\$ 948,584
Realized and unrealized gain (loss), net	133,780	16,721	(68,444)	14,697	(12,274)	84,480
Purchases	218,163	74,201	123	14,498	(53,813)	253,172
Sales	(284,151)	(35,186)	(194,448)	(22,827)	3,533	(533,079)
Transfers in	-	-	194,469	33,636	-	228,105
Ending balance	\$ 1,597,481	\$ 375,952	\$ 128,154	\$ 408,621	\$ (1,528,946)	\$ 981,262

2023	Developed equities	Real assets	Venture capital	Other	Liabilities	Total
Beginning balance	\$ 1,604,274	\$ 439,971	\$ 227,937	\$ 374,049	\$ (1,664,611)	\$ 981,620
Realized and unrealized gain (loss), net	347,949	(68,141)	2,254	(2,108)	50,347	330,301
Purchases	31,117	-	207	13,605	(55,593)	(10,664)
Sales	(453,651)	(51,614)	(33,944)	(16,929)	203,465	(352,673)
Ending balance	\$ 1,529,689	\$ 320,216	\$ 196,454	\$ 368,617	\$ (1,466,392)	\$ 948,584

Transfers into Level 3 consist primarily of investments reclassified from NAV to Level 3 when the practical expedient is not used.

Agreements with external investment managers include certain redemption terms and restrictions as noted in the following table:

Asset Class	Fair Value (in 000s)		Remaining Life	Unfunded Commitment (in 000s)		Redemption Terms	Redemption Restrictions
	2024	2023		2024	2023		
Developed equities	\$ 7,096,694	\$ 6,689,416	No Limit	\$ 230,587	\$ 112,872	Redemption terms range from monthly with 3 days notice to annually with 90 days notice.	Lock-up provisions range from none to 7 years.
Emerging equities	1,266,060	1,379,524	No Limit	-	67,650	Redemption terms range from monthly with 15 days notice to closed end structures not available for redemption.	Lock-up provisions range from none to 7 years.
Leveraged buyouts	10,685,258	10,041,213	1-25 years	5,360,071	4,228,144	Closed end funds not eligible for redemption.	Not redeemable.
Marketable alternatives	6,141,123	5,443,689	No Limit	99,447	111,173	Redemption terms range from monthly with 30 days notice to annually with 90 days notice.	Lock-up provisions range from none to 5 years.
Real assets	4,927,574	5,157,780	1-25 years	2,219,454	1,996,579	Closed end funds not eligible for redemption.	Not redeemable.
Venture capital	10,230,523	10,159,927	1-25 years	2,714,799	2,284,191	Redemption terms range from semi-annually with 120 days notice to closed end structures not available for redemption.	Lock-up provisions range from 2 to 3 years.
Total	\$ 40,347,232	\$ 38,871,549		\$ 10,624,358	\$ 8,800,609		

The fair value of cash and fixed income securities of \$168.9 million and \$328.4 million was provided at June 30, 2024 and 2023, respectively, to collateralize securities sold, not yet purchased.

The university may employ derivatives and other strategies to (1) manage against market risks, (2) arbitrage mispricing of related securities, and (3) replicate long or short positions more cost effectively. The fair value of derivative positions held at June 30 and related gain (loss) for the year, in thousands of dollars, were as follows:

2024			
	Assets	Liabilities	Gain
Endowment:			
Other	\$ 3	\$ 2	\$ 145
	3	2	145
Other:			
Interest rate swaps	279,495	21,289	195,357
	279,495	21,289	195,357
Gross value of derivatives	279,498	21,291	\$ 195,502
Other-counterparty netting	(13,356)	(13,356)	
Collateral:			
Cash collateral received	107,300	-	
Securities collateral received	120,384	-	
Total net exposure for derivatives	\$ 38,458	\$ 7,935	

2023

	Assets	Liabilities	Gain (Loss)
Endowment:			
Other	\$ 1	\$ 26	\$ (275)
	1	26	(275)
Other:			
Interest rate swaps	149,976	48,682	190,978
	149,976	48,682	190,978
Gross value of derivatives	149,977	48,708	\$ 190,703
Other-counterparty netting	(14,487)	(14,487)	
Collateral:			
Cash collateral received	22,850	-	
Securities collateral received/(posted)	55,480	(16,994)	
Total net exposure for derivatives	\$ 57,160	\$ 17,227	

Derivatives are reported as other investments and other liabilities for fair value leveling purposes. The university initiates derivatives under legally enforceable master netting agreements. The net exposure for derivatives is presented above, net of these master netting agreements and required collateral.

#### *Interest Rate Swaps*

Interest rate swaps are used to manage exposure to interest rate fluctuations. The notional amount of contracts that pay based on fixed rates and receive based on variable rates was \$1.8 billion and \$2.3 billion at June 30, 2024 and 2023, respectively. The notional amount of contracts that pay based on variable rates and receive based on fixed rates were \$500.0 million for both June 30, 2024 and 2023.

Derivative assets are reported as investments in the consolidated statement of financial position and derivative liabilities are reported as liabilities associated with investments. Gains and losses on derivatives used for investing are reported as part of total endowment return and gains and losses related to university debt management are reported as other investment income in the consolidated statement of activities as non-operating activity.

Derivatives held by limited partnerships and commingled investment trusts in which Yale invests pose no off-balance sheet risk to the university due to the limited liability structure of the investments.

Certain investment transactions, including derivative financial instruments, necessarily involve counterparty credit exposure. Such exposure is monitored regularly by the university's Investments Office in accordance with established credit policies and other relevant criteria.

Endowment investments include beneficial interests in outside trusts of \$184.8 million and \$182.7 million at June 30, 2024 and 2023, respectively.

The following investments held under split-interest agreements are included in the endowment investment portfolio, in thousands of dollars:

	2024	2023
Charitable gift annuities	\$ 282,011	\$ 277,923
Charitable remainder trusts	112,810	106,666
Pooled income funds	5,352	5,176
	<u>\$ 400,173</u>	<u>\$ 389,765</u>

Split-interest liabilities reported in the consolidated statement of financial position totaled \$136.9 million and \$132.3 million at June 30, 2024 and 2023, respectively, and are recorded at fair value using Level 2 measurements.

The university has agreements with certain affiliates to invest in the Pool. The obligation to these affiliates included in other liabilities within liabilities associated with investments is \$1,230.2 million and \$1,177.1 million at June 30, 2024 and 2023, respectively. The largest balance recorded is for Yale New Haven Health System (“YNHHS”), with \$896.8 million and \$849.0 million invested at June 30, 2024 and 2023, respectively. On July 1, 2024, YNHHS liquidated \$100.0 million from the Pool.

A summary of the university's total investment return as reported in the consolidated statement of activities is presented below, in thousands of dollars:

	2024	2023
Investment income	\$ 647,563	\$ 438,816
Realized and unrealized gain, net of investment management fees	1,623,747	319,868
Total endowment return	2,271,310	758,684
Other investment income	371,704	280,606
	<u>\$ 2,643,014</u>	<u>\$ 1,039,290</u>

Endowment investment returns totaling \$1,944.8 million and \$1,752.4 million were allocated to operating activities in 2024 and 2023, respectively, using the spending policy described in Note 1d.

### 3. Accounts Receivable

Accounts receivable from the following sources were outstanding at June 30, in thousands of dollars:

	2024	2023
Medical services	\$ 317,055	\$ 320,495
Grant and contracts	161,373	150,998
Affiliated organizations	161,212	115,809
Publications	6,497	6,590
Other	54,487	53,081
	<u>700,624</u>	<u>646,973</u>
Less: Allowance for doubtful accounts	(237,319)	(236,773)
	<u>\$ 463,305</u>	<u>\$ 410,200</u>

Medical services receivables are net of discounts and allowances of \$221.4 million and \$220.8 million at June 30, 2024 and 2023, respectively.

Receivables for medical services, net of contractual adjustments, are primarily based on negotiated contracts with the following:

	2024	2023
Insurance companies	43%	45%
Payments due directly from patients	22%	19%
Medicare	20%	19%
Commercial insurance and others	12%	13%
Medicaid	3%	4%

The university assesses credit losses on accounts receivable on a regular basis to determine the allowance for doubtful accounts.

The net receivable from the Hospital amounted to \$154.4 million and \$107.6 million at June 30, 2024 and 2023, respectively. Balances are settled in the ordinary course of business. The university recognized \$608.6 million and \$531.8 million in revenue and incurred \$145.5 million and \$131.8 million in expenses related to activities with the Hospital during the years ended June 30, 2024 and 2023, respectively.

#### 4. Contributions Receivable

Contributions receivable consist of the following unconditional promises to give as of June 30, in thousands of dollars:

	2024	2023
Purpose:		
Operating programs	\$ 453,804	\$ 467,832
Endowment	501,061	602,067
Capital purposes	97,873	111,789
Gross unconditional promises to give	1,052,738	1,181,688
Less: Discount to present value	(99,807)	(108,324)
Allowance for uncollectible accounts	(102,693)	(112,985)
	\$ 850,238	\$ 960,379
Amounts due in:		
Less than one year	\$ 361,801	\$ 423,809
One to five years	687,312	483,615
More than five years	3,625	274,264
	\$ 1,052,738	\$ 1,181,688

Discount rates used to calculate the present value of contributions receivable ranged from 0.07% to 7.00% at June 30, 2024 and 2023.

The university had conditional pledges of approximately \$12.0 million and \$12.9 million at June 30, 2024 and June 30, 2023, respectively, which are subject to donor-imposed conditions.

## 5. Notes Receivable

Notes receivable at June 30, in thousands of dollars, include:

	2024	2023
Institutional student loans	\$ 45,984	\$ 44,042
Federally-sponsored student loans	5,127	6,695
Notes receivable	47,006	46,880
	98,117	97,617
Less: Allowance for doubtful accounts	(20,584)	(13,190)
	\$ 77,533	\$ 84,427

### Student Loans

Institutional student loans are funded by donor funds restricted for student loan purposes and university funds made available to meet demonstrated need in excess of all other sources of student loan borrowings. Interest accrues at fixed rates upon loan disbursement.

Management regularly assesses the adequacy of the allowance for credit losses for student loans by performing ongoing evaluations of the student loan portfolio, including such factors as the differing economic risks associated with each loan category, the financial condition of specific borrowers, the level of delinquent loans, and, where applicable, the existence of any guarantees or indemnifications. Federally-sponsored loans represent amounts due from current and former students under certain federal loan programs. Loans disbursed under these programs can be assigned to the federal government in certain non-repayment situations. In these situations, the federal portion of the loan balance is guaranteed. Federally-sponsored student loans have mandated interest rates and repayment terms subject to restrictions as to their transfer and disposition.

Amounts received from the federal government to fund a portion of the federally-sponsored student loans are ultimately refundable to the federal government and have been reported as part of other liabilities in the consolidated statement of financial position. The recorded value of student loan instruments approximates fair value.

### Notes Receivable

The university and the Hospital entered into an agreement under which the Hospital will reimburse the university over a 40-year term for advances made relating to the construction of Hospital facilities. The payment includes interest based on the five-year Treasury bill plus 175 basis points, which resets every five years. In 2020, the interest rate was reset, and the monthly payment was adjusted accordingly.

## 6. Right of Use Assets and Lease Liabilities

The following table summarizes the university's lease assets and liabilities as of June 30, in thousands of dollars:

Right of use assets and liabilities	Consolidated statement of financial position location	2024	2023
Right of use asset - Operating	Right of use assets	\$ 28,643	\$ 31,703
Right of use asset - Financing	Right of use assets	111,074	240,412
Right of use liabilities - Operating	Lease liabilities	29,374	32,355
Right of use liabilities - Financing	Lease liabilities	171,494	318,767

The following table summarizes the university's lease related costs for the year ended June 30, in thousands of dollars:

Lease cost	Consolidated statement of activities location	2024	2023
Financing lease cost			
Amortization of right of use assets	Depreciation, amortization and interest	\$ 13,259	\$ 10,279
Interest on lease liabilities	Depreciation, amortization and interest	6,213	7,462
Operating lease cost	Other operating expenditures	11,841	12,496
Total lease cost		\$ 31,313	\$ 30,237

The following table summarizes maturities of lease liabilities as of June 30, 2024, in thousands of dollars:

	Financing	Operating	Total
2025	\$ 11,325	\$ 8,145	\$ 19,470
2026	11,498	7,782	19,280
2027	11,624	6,991	18,615
2028	11,753	3,188	14,941
2029	11,883	2,230	14,113
Thereafter	182,991	3,131	186,122
Total lease payments	241,074	31,467	272,541
Imputed interest	(69,580)	(2,093)	(71,673)
Present value of lease liabilities	\$ 171,494	\$ 29,374	\$ 200,868

The following table summarizes information about financing and operating leases as of June 30, in thousands of dollars:

	2024		2023	
	Financing	Operating	Financing	Operating
Weighted-average remaining lease term (years)	19	7	11	7
Weighted-average discount rate	3.62%	1.73%	1.93%	1.53%
Total undiscounted lease liability	\$ 241,074	\$ 31,467	\$ 391,381	\$ 34,836

During the fiscal year ended June 30, 2024 the university exercised a purchase option for a building that it previously leased and as a result the related financing leases were reclassified to land, buildings and equipment, net of accumulated depreciation.

## 7. Other Assets

Other assets at June 30, in thousands of dollars, include:

	2024	2023
Prepaid pension costs	\$ 241,395	\$ 168,634
Insurance receivables	223,602	142,042
Software costs, net of accumulated amortization	80,816	53,325
Deferred expenses	33,330	43,955
Inventories	18,865	18,001
	<u>\$ 598,008</u>	<u>\$ 425,957</u>

Prepaid pension costs represent the amount by which the fair value of plan assets exceed the defined benefit obligation at June 30, 2024 and 2023 (see Note 12).

Amortization expense related to other assets included in operating expenses amounted to \$13.1 million and \$14.6 million in 2024 and 2023, respectively.

## 8. Land, Buildings and Equipment

Land, buildings and equipment at June 30, less accumulated depreciation and amortization, in thousands of dollars, are as follows:

	2024	2023
Land and real estate improvements	\$ 138,812	\$ 139,394
Buildings	9,241,048	8,785,418
Equipment	466,676	535,769
	<u>9,846,536</u>	<u>9,460,581</u>
Less: Accumulated depreciation and amortization	<u>(4,341,320)</u>	<u>(4,146,360)</u>
	5,505,216	5,314,221
Construction in progress	505,907	433,762
	<u>\$ 6,011,123</u>	<u>\$ 5,747,983</u>

Depreciation expense included in operating expenses amounted to \$328.9 million and \$312.4 million in 2024 and 2023, respectively.

## 9. Other Liabilities

Other liabilities include obligations of the university that will be paid over extended periods of time and consist of the following as of June 30, in thousands of dollars:

	2024	2023
Employee benefit obligations	\$ 769,883	\$ 860,230
Compensated absences	85,740	82,233
Financial aid grant obligations	52,282	55,825
Asset retirement obligations	35,446	39,727
Other	177,146	181,929
	<u>\$ 1,120,497</u>	<u>\$ 1,219,944</u>

Included in employee benefit obligations are defined benefit plan liabilities in excess of plan assets. These liabilities amounted to \$436.8 million and \$572.7 million at June 30, 2024 and 2023, respectively (see Note 12).

## 10. Bonds and Notes Payable

Bonds and notes payable outstanding at June 30, in thousands of dollars, include:

	Interest Rate at June 30, 2024	Calendar Year of Maturity	Outstanding Balance	
			2024	2023
CHEFA tax-exempt bonds:				
Series S	5.00%	2027	\$ 111,205	\$ 111,205
Series T	5.00%	2029	93,625	93,625
Series U	1.10%	2033	250,000	250,000
Series V	2.85%	2036	200,000	200,000
Series X	5.00%	2037	103,890	125,000
Series 2010A	2.03%	2049	300,000	300,000
Series 2013A	2.86%	2042	100,000	100,000
Series 2014A	2.80%	2048	250,000	250,000
Series 2015A	0.38%	2035	300,000	300,000
Series 2016A	2.32%	2042	399,320	399,320
Series 2017A	3.23%	2042	170,920	170,920
Series 2017B	2.44%	2029/2037	194,530	194,530
Series 2017C	3.51%	2040/2057	383,380	383,380
Series 2018A	5.00%	2025	67,610	67,610
Total CHEFA bonds			2,924,480	2,945,590
Medium term notes	7.38%	2096	125,000	125,000
Taxable Series 2020A	1.59%	2025/2030/2050	1,500,000	1,500,000
Commercial paper	6.68%	2024	240,000	500,000
US Department of Energy		2029	-	18,526
Principal amount			4,789,480	5,089,116
Less: Bond issue costs			(15,390)	(16,632)
Plus: Unamortized premiums and discounts, net			73,212	65,149
			<u>\$ 4,847,302</u>	<u>\$ 5,137,633</u>

### CHEFA Tax-Exempt Bonds

The university borrows at tax-exempt rates through the Connecticut Health and Facilities Authority (“CHEFA”), a conduit issuer. CHEFA debt is a general unsecured obligation of the university. Although CHEFA is the issuer, the university is responsible for the repayment of the tax-exempt debt.

Series S bonds total \$111.2 million, bear a fixed interest rate of 5.00%, and mature in July 2027. These bonds include a net premium of \$8.8 million as of June 30, 2024.

Series T bonds consist of \$93.6 million Series T-2 bonds maturing in July 2029. The Series T-2 bonds bear a fixed interest rate of 5.00% through June 2029. These bonds include a net premium of \$16.7 million as of June 30, 2024.

Series U bonds consist of 1) \$125.0 million Series U-1 bonds and 2) \$125.0 million Series U-2 bonds, both maturing in July 2033. The Series U bonds bear a fixed interest rate of 1.10% through February 10, 2025.

Series V bonds total \$200.0 million, bear interest at a daily rate, and mature in July 2036. The bonds may be converted from a daily rate period to other variable rate modes or to a fixed rate mode at the discretion of the university.

Series X bonds consist of \$103.9 million, maturing in July 2037. On February 9, 2024 Series X was remarketed from a fixed rate of 0.25% to a fixed rate of 5.00% through maturity. These bonds include a net premium of \$20.5 million as of June 30, 2024.

Series 2010A bonds consist of 1) \$150.0 million Series 2010A-3 and 2) \$150.0 million Series 2010A-4, maturing July 2049. On February 9, 2024 Series 2010A-3 was remarketed from a fixed rate of 0.25% to a fixed rate of 2.95% through June 30, 2027. The Series 2010A-4 bonds bear a fixed interest rate of 1.10% through February 10, 2025.

Series 2013A bonds total \$100.0 million maturing in July 2042. On July 1, 2022, the Series was remarketed from a fixed rate of 1.45% to a daily variable interest rate.

Series 2014A bonds total \$250.0 million, maturing in July 2048. On February 7, 2023 the Series was remarketed from a fixed rate of 1.10% to a fixed rate of 2.80% through February 9, 2026.

Series 2015A bonds total \$300.0 million and mature in July 2035. The bonds bore a fixed interest rate of 0.38% through July 11, 2024. On July 12, 2024, Series 2015A bonds were remarketed to a fixed rate of 5.00% through July 1, 2035.

Series 2016A bonds consist of 1) \$150.0 million Series 2016A-1 bonds that were remarketed on July 1, 2022 from a fixed rate of 1.45% to a daily variable interest rate and 2) \$249.3 million Series 2016A-2 bonds bearing a fixed interest rate of 2.00% through June 30, 2026. Series 2016A-2 bonds include a net premium of \$135 thousand as of June 30, 2024. Both bond series mature in July 2042.

Series 2017A bonds consist of 1) \$85.5 million Series 2017A-1 bonds and 2) \$85.5 million Series 2017A-2 bonds. Both bond series were remarketed from a fixed interest rate of 5.00% to a weekly variable interest rate on July 1, 2022. Both bond series mature in July 2042.

Series 2017B bonds consist of 1) \$82.4 million Series 2017B-1 bonds that bear a fixed interest rate of 5.00% through July 2029 and mature in July 2029 and 2) \$112.1 million Series 2017B-2 bonds maturing in July 2037. The Series 2017B-1 bonds include a net premium of \$16.5 million as of June 30, 2024. On July 3, 2023, Series 2017B-2 was remarketed from a fixed rate of 0.55% to a fixed rate of 3.20% through June 30, 2026.

Series 2017C bonds consist of 1) \$123.3 million Series 2017C-1 bonds maturing in July 2040 and 2) \$260.1 million 2017C-2 bonds maturing in July 2057. Series 2017C-1 bonds bear a fixed interest rate of 5.00% through January 2028 and include a net premium of \$10.5 million as of June 30, 2024. On February 1, 2023, Series 2017C-2 was remarketed from a fixed interest rate of 5.00% to a fixed interest rate of 2.80% through February 2, 2026.

Series 2018A bonds total \$67.6 million, bear a fixed interest rate of 5.00%, and mature in July 2025. These bonds include a net premium of \$1.8 million as of June 30, 2024.

#### **Notes Payable**

Medium-term notes bear a fixed interest rate of 7.38% and mature in 2096, with an optional redemption provision in the year 2026. The discount associated with these notes was \$80 thousand as of June 30, 2024.

#### **Taxable Bonds**

Taxable bonds, Series 2020A, in the amount of \$1.5 billion were issued on June 9, 2020 consisting of: 2020A-1 in the amount of \$500.0 million bearing a fixed rate of 0.87% through maturity due April 15, 2025, 2020A-2 in the amount of \$500.0 million bearing a fixed rate of 1.48% through maturity due April 15, 2030, and 2020A-3 in the amount of \$500.0 million bearing a fixed rate of 2.40% through maturity due April 15, 2050. The bonds are subject to an optional redemption (in whole or in part) prior to maturity at the written direction of the issuer to the trustee.

#### **Commercial Paper**

Commercial paper consists of notes issued in the short-term taxable market and is sold at a discount from par. The maturities of individual notes are issued in ranges from one day to no more than one year and fall, on average, in a range of thirty to sixty days. In the year ended June 30, 2024 the university paid down commercial paper in the amount of \$260.0 million. The discount associated with commercial paper was \$1.5 million as of June 30, 2024.

#### **Other Financing Arrangements**

The university financed a wind energy project, Record Hill Wind, LLC, through a financing arrangement with the U.S. Department of Energy. The financing arrangement is non-recourse debt to the university and bears interest at rates ranging from 2.24% to 2.78%.

Scheduled maturities of the debt obligations, in thousands of dollars, are as follows:

2025	\$	740,000
2026		67,610
2027		-
2028		111,205
2029		-
Thereafter		3,870,665
Total	\$	4,789,480

Certain CHEFA Series are subject to tender by bondholders. To the extent all bonds subject to tender could not be remarketed, \$1.5 billion of bonds scheduled for maturity between 2033 and 2057 would be due when tendered.

Total interest expense incurred on indebtedness was \$111.3 million and \$93.8 million in 2024 and 2023, respectively. Interest capitalized to land, buildings and equipment totaled \$9.9 million and \$5.6 million in 2024 and 2023, respectively. Amortization expense related to bond issue costs included in operating expenses amounted to \$3.7 million and \$3.6 million in 2024 and 2023, respectively.

## 11. Retirement Plans – Defined Contribution

The university maintains defined contribution plans for faculty and certain staff employees. Participants may direct employee and employer contributions to annuities, mutual funds, and other investment options. Retirement expense for these plans amounted to \$183.5 million and \$165.2 million in 2024 and 2023, respectively, and is included in operating expense.

## 12. Pension and Postretirement Plans – Defined Benefit

The university has a noncontributory, defined benefit pension plan for staff. The staff pension plan provides payments based on the employee's earnings and years of participation.

In addition, the university provides postretirement benefits including health benefits based on years of service, life insurance, and a pay-out of unused sick time. While the university's subsidy of the cost of comprehensive health care benefits differs among retiree groups, substantially all employees who meet minimum age and service requirements and retire from the university are eligible for these benefits. Non-faculty employees are paid 50% of unused sick time and receive life insurance benefits upon retirement from active status.

The university uses a June 30 measurement date for its defined benefit plans.

The following table sets forth the pension and postretirement plans' funded status that is reported in other assets or other liabilities within the consolidated statements of financial position at June 30, in thousands of dollars:

	Pension		Postretirement	
	2024	2023	2024	2023
Change in benefit obligation:				
Benefit obligation, beginning of year	\$ 1,806,227	\$ 1,983,077	\$ 1,447,343	\$ 1,409,933
Service cost	59,115	69,846	50,859	56,129
Interest cost	82,461	73,438	62,891	53,227
Benefit payments	(60,694)	(57,895)	(34,613)	(31,966)
Assumption changes	(84,086)	(280,114)	40,578	(133,597)
Actuarial loss (gain)	3,290	17,875	(80,146)	93,617
Benefit obligation, end of year	\$ 1,806,313	\$ 1,806,227	\$ 1,486,912	\$ 1,447,343
Change in plan assets:				
Fair value, beginning of year	\$ 1,974,861	\$ 1,895,798	\$ 874,598	\$ 753,421
Actual return on plan assets	136,918	127,016	85,744	54,152
University contributions	-	13,169	126,031	100,457
Benefits paid	(60,694)	(57,895)	(34,613)	(31,966)
Expenses paid	(3,377)	(3,227)	(1,688)	(1,466)
Fair value, end of year	\$ 2,047,708	\$ 1,974,861	\$ 1,050,072	\$ 874,598
Funded Status	\$ 241,395	\$ 168,634	\$ (436,840)	\$ (572,745)

### Benefit Obligation

The benefit obligation represents the actuarial present value of expected future payments to plan participants for services rendered prior to that date, based on the pension benefit formula. In calculating the value, the participants' compensation levels are projected to retirement.

The accumulated benefit obligation differs from the benefit obligation above in that it does not consider assumptions about future compensation levels. It represents the actuarial present value of future payments to plan participants using current and past compensation levels. The accumulated benefit obligation for the pension plan was \$1,600.4 million and \$1,586.5 million at June 30, 2024 and June 30, 2023, respectively.

Assumptions used in determining the year end obligation of the pension and postretirement plans are:

	2024	2023
Weighted-average discount rate -		
all plans except unused sick pay plan	5.05%	4.65%
Weighted-average discount rate - unused sick pay plan	5.10%	4.85%
Weighted-average increase in future compensation levels	3.19%	3.19%
Projected health care cost trend rate (pre-65/post-65)	8.20%/13.08%	6.82%/13.02%
Ultimate trend rate (pre-65/post-65)	5.00%/5.00%	5.00%/5.00%
Year ultimate trend rate is achieved	2033	2033
Mortality	RP2014 Collar Adj., Scale MP2019	RP2014 Collar Adj., Scale MP2019

Changes in assumptions during the year resulted in a net decrease to the pension benefit obligation and a net increase to the postretirement benefit obligation at June 30, as follows, in thousands of dollars:

	2024		2023	
	Pension	Postretirement	Pension	Postretirement
Discount rate	\$ (110,945)	\$ (102,037)	\$ (280,114)	\$ (217,182)
Termination rates	1,388	659	-	-
Retirement rates	15,853	51,287	-	-
Deferred participant commencement age	9,765	-	-	-
Population growth	(147)	-	-	-
Medical trend rates	-	90,669	-	-
Medicare Part B reimbursement trends	-	-	-	(2,694)
Medicare Advantage and EGWP trends	-	-	-	86,279
	\$ (84,086)	\$ 40,578	\$ (280,114)	\$ (133,597)

### Net Periodic Benefit Cost

Net periodic benefit cost for the plans includes the following components for the years ended June 30, in thousands of dollars:

	Pension		Postretirement	
	2024	2023	2024	2023
Service cost	\$ 59,115	\$ 69,846	\$ 50,859	\$ 56,129
Administrative expenses	3,413	2,967	1,400	1,400
Interest cost	82,461	73,438	62,891	53,227
Expected return on plan assets	(142,336)	(135,690)	(69,775)	(59,348)
Net amortization:				
Prior service cost	1,579	1,663	-	-
Net gain	(4,671)	-	-	-
Net periodic benefit cost	\$ (439)	\$ 12,224	\$ 45,375	\$ 51,408

The service cost component of net periodic benefit cost is included in employee benefits as a part of operating expenses in the consolidated statement of activities. The components of net periodic benefit cost other than service cost, are included in other increases (decreases), which is reported as non-operating activity in the consolidated statement of activities.

Assumptions used in determining the net periodic benefit cost of the pension and postretirement plans are:

	2024	2023
Weighted-average discount rate - all plans except unused sick pay plan	4.65%	3.75%
Weighted-average discount rate - unused sick pay plan	4.85%	3.75%
Expected long-term rate of return	7.25%	7.25%
Weighted-average compensation increase	3.19%	3.18%
Health care cost increase (pre-65/post-65)	6.82%/13.02%	7.08%/11.68%
Ultimate trend rate (pre-65/post-65)	5.00%/5.00%	5.00%/5.00%
Year ultimate trend rate is achieved	2033	2031
Mortality	RP2014 Collar Adj., Scale MP2019	RP2014 Collar Adj., Scale MP2019

The funded status consists of the cumulative unfunded net periodic benefit cost and the cumulative change in funded status of defined benefit plans. The components of the change in funded status of defined benefit plans, which is reported in non-operating results, for the years ended June 30, in thousands of dollars, include:

	Pension		Postretirement	
	2024	2023	2024	2023
Unrecognized net actuarial loss	\$ (75,414)	\$ (253,304)	\$ (55,250)	\$ (34,717)
Amortization of gain included in net periodic cost	4,671	-	-	-
Amortization of prior service cost	(1,579)	(1,663)	-	-
	\$ (72,322)	\$ (254,967)	\$ (55,250)	\$ (34,717)

During fiscal year 2024, the postretirement plans experienced an actuarial gain of \$80.1 million largely attributable to lower than expected increases in medical plan rates. The pension plan experienced an actuarial loss of \$3.3 million largely attributable to updated census information. At the same time, the postretirement plan experienced an assumption change loss and the pension plan experienced an assumption change gain as summarized on a prior page, and asset gains of \$16.0 million and asset losses of \$5.4 million for the postretirement and pension plans, respectively.

During fiscal year 2023, the postretirement plans experienced a \$93.6 million actuarial loss largely attributable to a change in retiree cost sharing for healthcare coverage for Medicare-eligible former hourly employees. The pension plan experienced an actuarial loss of \$17.9 million largely attributable to updated census information. At the same time, both plans experienced assumption change gains as summarized on the prior page, and asset losses of \$5.2 million and \$8.7 million for the postretirement and pension plans, respectively.

The cumulative amounts of these adjustments reported as additions to net assets in the consolidated statement of financial position at June 30, in thousands of dollars, include:

	Pension		Postretirement	
	2024	2023	2024	2023
Unrecognized net actuarial gain	\$ (305,298)	\$ (234,556)	\$ (56,612)	\$ (1,362)
Unrecognized prior service cost	1,816	3,396	-	-
	<u>\$ (303,482)</u>	<u>\$ (231,160)</u>	<u>\$ (56,612)</u>	<u>\$ (1,362)</u>

Actuarial gains or losses and prior service costs resulting from plan amendments are amortized over the average remaining years of service of active participants.

### Plan Assets

The defined benefit plan assets are valued utilizing the same fair value hierarchy as the university's investments as described in Note 1d.

The following table summarizes the fair values of investments by major type held by the staff pension plan at June 30, 2024 in thousands of dollars:

2024	Level 1	Level 2	Level 3	Total
Investments, at fair value:				
Cash and short-term investments	\$ 33,225	\$ -	\$ -	\$ 33,225
US government securities	165,279	-	-	165,279
Common stock:				
Domestic	35,311	-	-	35,311
Foreign	257	-	-	257
Total common stock	35,568	-	-	35,568
Other equity investments:				
Real assets	-	-	28,234	28,234
Venture capital	-	-	80	80
Total other equity investments	-	-	28,314	28,314
Other investments	715	-	-	715
Total leveled investments, at fair value	\$ 234,787	\$ -	\$ 28,314	263,101
Investments at net asset value				1,779,538
Total investments				2,042,639
Liabilities associated with investments	\$ 87	\$ -	\$ -	87
Net investments, at fair value				2,042,552
Benefit payable				5,156
Fair value, end of year				<u>\$ 2,047,708</u>

The following table summarizes the fair values of investments by major type held by the staff pension plan at June 30, 2023 in thousands of dollars:

2023	Level 1		Level 2		Level 3		Total
Investments, at fair value:							
Cash and short-term investments	\$	30,081	\$	-	\$	-	\$ 30,081
US government securities		96,681		-		-	96,681
Common stock:							
Domestic		49,313		-		-	49,313
Foreign		1,484		-		-	1,484
Total common stock		50,797		-		-	50,797
Other equity investments:							
Real assets		-		-		23,918	23,918
Total other equity investments		-		-		23,918	23,918
Other investments		419		-		-	419
Total leveled investments, at fair value	\$	177,978	\$	-	\$	23,918	201,896
Investments at net asset value							1,785,610
Total investments							1,987,506
Liabilities associated with investments	\$	17,360	\$	196	\$	-	17,556
Net investments, at fair value							1,969,950
Benefit payable							4,911
Fair value, end of year							\$ 1,974,861

The following table summarizes the fair values of investments by major type held by the retiree health plan at June 30, 2024 in thousands of dollars:

2024	Level 1		Level 2		Level 3		Total
Investments, at fair value:							
Cash and short-term investments	\$	85,316	\$	-	\$	-	\$ 85,316
US government securities		69,233		-		-	69,233
Common stock:							
Domestic		36,813		-		-	36,813
Foreign		110		-		-	110
Total common stock		36,923		-		-	36,923
Other investments		620		-		-	620
Total leveled investments, at fair value	\$	192,092	\$	-	\$	-	192,092
Investments at net asset value							859,353
Total investments							1,051,445
Liabilities associated with investments	\$	90	\$	-	\$	-	90
Net investments, at fair value							1,051,355
Receivable							(1,283)
Fair value, end of year							\$ 1,050,072

The following table summarizes the fair values of investments by major type held by the retiree health plan at June 30, 2023 in thousands of dollars:

2023		Level 1		Level 2		Level 3		Total
Investments, at fair value:								
Cash and short-term investments	\$	40,873	\$	-	\$	-	\$	40,873
US government securities		52,491		-		-		52,491
Common stock:								
Domestic		31,060		-		-		31,060
Foreign		14,761		-		-		14,761
<hr/>								
Total common stock		45,821		-		-		45,821
Other investments		334		-		-		334
<hr/>								
Total leveled investments, at fair value	\$	139,519	\$	-	\$	-		139,519
<hr/>								
Investments at net asset value								744,468
Total investments								883,987
<hr/>								
Liabilities associated with investments	\$	6,865	\$	69	\$	-		6,934
<hr/>								
Net investments, at fair value								877,053
Receivable								(2,455)
Fair value, end of year							\$	874,598

The table below represents the change in fair value measurements for Level 3 investments held by the staff pension plan for the plan's year ended June 30, in thousands of dollars. Transfers into Level 3 consist primarily of investments reclassified from NAV to Level 3 when the practical expedient is not used. There are no Level 3 investments held by the retiree health plan:

		Pension	
		2024	2023
Beginning balance	\$	23,918	\$ 32,334
Unrealized loss		(265)	(4,622)
Purchases		5,936	-
Sales		(1,355)	(3,794)
Transfers in		80	-
Ending balance	\$	28,314	\$ 23,918

The investment objective for the pension and retiree health plans seeks a positive long-term total return after inflation to meet the university's current and future plan obligations. Asset allocations for both plans combine tested theory and informed market judgment to balance investment risks with the need for high returns. Actual plan asset allocations by category at June 30 are as follows:

	Pension		Retiree Health	
	2024	2023	2024	2023
Developed equities	37.6%	38.4%	45.8%	44.7%
Emerging equities	0.2%	2.5%	0.2%	4.0%
Marketable alternatives	16.5%	16.4%	17.3%	16.7%
Fixed income	8.1%	4.9%	6.6%	6.0%
Leveraged buyouts	16.2%	15.6%	8.5%	8.9%
Venture capital	11.2%	12.2%	7.8%	8.8%
Real assets	8.7%	8.8%	5.8%	6.8%
Cash	1.5%	1.2%	8.0%	4.1%

The pension and retiree health long-term rate of return assumption is determined by adding expected inflation to expected long-term real returns of various asset classes, considering expected volatility and correlation between the returns of various asset classes.

### Contributions

Annual contributions for the pension and retiree health plans are determined by the university considering calculations prepared by the plans' actuary as well as other factors. Expected contributions on a cash basis to the retiree health plan in fiscal year 2025 are \$96.6 million. There are no contributions expected to the pension plan in fiscal year 2025.

### Benefit Payments

The following estimated benefit payments, which reflect expected future service, are expected to be paid out of the plans, in thousands of dollars:

Fiscal year	Pension		Postretirement		Total
2025	\$	72,189	\$	46,235	\$ 118,424
2026		77,893		50,986	128,879
2027		83,321		56,450	139,771
2028		87,868		61,731	149,599
2029		93,125		66,822	159,947
2030-2033		538,653		413,850	952,503
	\$	953,049	\$	696,074	\$ 1,649,123

### 13. Net Assets

The university's net assets as of June 30, in thousands of dollars, includes:

	2024	2023
With Donor Restrictions:		
Donor-restricted endowments, perpetual in nature	\$ 6,152,664	\$ 5,883,346
Student loans, perpetual in nature	54,354	52,850
Donor-restricted endowments, subject to spending policy and appropriation	28,045,048	27,810,806
Board designated endowment, subject to spending policy and appropriation	331,803	327,357
Unexpended gift balances	1,617,990	1,509,734
Total net assets with donor restrictions	\$ 36,201,859	\$ 35,584,093
Without Donor Restrictions:		
Board designated endowment, subject to spending policy and appropriation	\$ 6,912,130	\$ 6,725,358
Funded status of defined benefit plans	(195,445)	(404,111)
Derivatives	264,934	109,874
Undesignated	2,850,073	2,709,686
Non-controlling interest	3,499	3,061
Total net assets without donor restrictions	9,835,191	9,143,868
Total net assets	\$ 46,037,050	\$ 44,727,961

Yale's endowment consists of approximately 8,700 funds established for a variety of purposes.

The endowment includes both donor-restricted and board-designated endowment funds. Board designated endowment funds are designated by the Corporation to function as endowments and include funds that have donor-imposed purpose restrictions.

The university endowment fund composition by fund type as of June 30, in thousands of dollars, includes:

2024	Without Donor Restrictions	With Donor Restrictions	Total
Donor-restricted endowment	\$ -	\$ 34,197,712	\$ 34,197,712
Board-designated endowment	6,912,130	331,803	7,243,933
	\$ 6,912,130	\$ 34,529,515	\$ 41,441,645
2023	Without Donor Restrictions	With Donor Restrictions	Total
Donor-restricted endowment	\$ -	\$ 33,694,152	\$ 33,694,152
Board-designated endowment	6,725,358	327,357	7,052,715
	\$ 6,725,358	\$ 34,021,509	\$ 40,746,867

The classification of endowment net assets by purpose as of June 30, in thousands of dollars, is as follows:

	2024	2023
Undesignated	\$ 9,117,213	\$ 9,070,176
Teaching and research	10,147,967	9,957,821
Facilities and operations	7,539,951	7,426,505
Financial aid	7,451,762	7,278,778
Other specific purposes	7,184,752	7,013,587
	<u>\$ 41,441,645</u>	<u>\$ 40,746,867</u>

Changes in endowment net assets for the fiscal years ended June 30, in thousands of dollars, were:

2024	Without Donor Restrictions	With Donor Restrictions	Total
Endowment net assets, beginning of year	\$ 6,725,358	\$ 34,021,509	\$ 40,746,867
Investment return:			
Investment income	111,432	536,131	647,563
Net appreciation	288,573	1,335,174	1,623,747
Total investment return	400,005	1,871,305	2,271,310
Contributions	731	230,746	231,477
Allocation of endowment spending	(344,118)	(1,600,676)	(1,944,794)
Other increases	130,154	6,631	136,785
Endowment net assets, end of year	<u>\$ 6,912,130</u>	<u>\$ 34,529,515</u>	<u>\$ 41,441,645</u>

  

2023	Without Donor Restrictions	With Donor Restrictions	Total
Endowment net assets, beginning of year	\$ 6,890,737	\$ 34,492,523	\$ 41,383,260
Investment return:			
Investment income	74,679	364,137	438,816
Net appreciation	290	319,578	319,868
Total investment return	74,969	683,715	758,684
Contributions	8,316	283,574	291,890
Allocation of endowment spending	(311,275)	(1,441,100)	(1,752,375)
Other increases	62,611	2,797	65,408
Endowment net assets, end of year	<u>\$ 6,725,358</u>	<u>\$ 34,021,509</u>	<u>\$ 40,746,867</u>

## 14. Functional and Natural Classification of Expenses

The consolidated financial statements report certain categories of expenses that are attributable to one or more program or supporting functions of the university. Expenses reported by functional categories include allocations of costs for the operation and maintenance of plant, interest on indebtedness and depreciation and amortization expense. The university applies various methods to allocate costs among the program and support functions, the most significant of which is based on the amount of building space utilized.

Operating expenses by functional and natural classification for the fiscal years ended June 30, in thousands of dollars, were:

				Administration and other institutional support	
2024	Programmatic support	Patient care and other related services			Total
Salaries and wages	\$ 1,604,540	\$ 751,189	\$	191,039	\$ 2,546,768
Employee benefits	541,817	189,781		67,558	799,156
Depreciation, amortization and interest	438,658	12,614		19,329	470,601
Other operating expenditures	1,169,476	280,118		146,135	1,595,729
Total operating expenses	\$ 3,754,491	\$ 1,233,702	\$	424,061	\$ 5,412,254

		Patient care and other related services	Administration and other institutional support	
2023	Programmatic support			Total
Salaries and wages	\$ 1,459,902	\$ 698,754	\$ 169,480	\$ 2,328,136
Employee benefits	499,294	175,040	70,489	744,823
Depreciation, amortization and interest	410,799	11,770	18,633	441,202
Other operating expenditures	1,077,892	247,447	96,768	1,422,107
Total operating expenses	\$ 3,447,887	\$ 1,133,011	\$ 355,370	\$ 4,936,268

## 15. Commitments and Contingencies

The university is involved in various legal actions arising in the normal course of activities and is also subject to periodic audits and inquiries by various regulatory agencies. Although the ultimate outcome is not determinable at this time, management, after taking into consideration advice of legal counsel, believes that the resolution of these pending matters should not have a material adverse effect upon the university's financial position.

The university has outstanding commitments on contracts to construct campus facilities in the amount of \$456.2 million at June 30, 2024. Funding for these projects is expected to come from capital replacement reserves, gifts, and debt.

## 16. Subsequent Events

Management has evaluated subsequent events for the period after June 30, 2024, through October 25, 2024, the date the consolidated financial statements were issued. Other than what has been disclosed in Note 2 and Note 10, there were no subsequent events that occurred after the balance sheet date that have a material impact on the university's consolidated financial statements.

**PART II**

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS**

**Yale University**  
**Schedule of Expenditures of Federal Awards**  
**Year Ended June 30, 2024**

<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<u>Federal Assistance Listing Number</u>	<u>Expenditures</u>	<u>Subrecipient Expenditures</u>
I. Research and Development Cluster				
Department of Defense				
Direct:				
Department of Defense	W81XWH1910649	12.RD	\$ 11,945	\$ -
Department of Defense	HR00112190136	12.RD	144,916	112,082
Department of Defense	W81XWH2010072	12.RD	340,793	-
Department of Defense	N6600121C4018	12.RD	1,452,331	732,529
			<u>1,949,985</u>	<u>844,611</u>
Basic and Applied Scientific Research	N00014-19-1-2104	12.300	3	-
Basic and Applied Scientific Research	N00014-18-1-2409	12.300	5,473	5,473
Basic and Applied Scientific Research	N00014-22-1-2652	12.300	7,445	-
Basic and Applied Scientific Research	N00014-18-1-2353	12.300	15,872	-
Basic and Applied Scientific Research	N00014-24-12307	12.300	21,954	-
Basic and Applied Scientific Research	N00014-24-1-2069	12.300	45,206	-
Basic and Applied Scientific Research	N00173-21-G006	12.300	54,363	-
Basic and Applied Scientific Research	N00014-24-12162	12.300	66,083	-
Basic and Applied Scientific Research	N00014-23-1-2018	12.300	102,882	-
Basic and Applied Scientific Research	N00014-24-1-2045	12.300	109,863	-
Basic and Applied Scientific Research	N00014-24-1-2124	12.300	124,532	-
Basic and Applied Scientific Research	N00014-23-1-2121	12.300	185,826	-
Basic and Applied Scientific Research	N00014-21-1-2131	12.300	200,240	-
Basic and Applied Scientific Research	N00014-22-1-2147	12.300	201,343	-
Basic and Applied Scientific Research	N00014-21-1-2417	12.300	440,183	150,693
Basic and Applied Scientific Research	N00014-23-1-2600	12.300	469,250	378,550
Basic and Applied Scientific Research	N00014-20-1-2628	12.300	634,868	-
			<u>2,685,386</u>	<u>534,716</u>
Military Medical Research and Development	W81XWH-20-1-0763	12.420	(57,694)	-
Military Medical Research and Development	W81XWH-19-1-0055	12.420	(89)	-
Military Medical Research and Development	W81XWH1810698/PR171449P1	12.420	2,173	-
Military Medical Research and Development	HT94252410469	12.420	9,440	-
Military Medical Research and Development	HT94252310034	12.420	13,265	-
Military Medical Research and Development	W81XWH2110083	12.420	14,643	-
Military Medical Research and Development	W81XWH1910618/NF180073	12.420	29,009	-
Military Medical Research and Development	HT94252310459	12.420	31,018	-
Military Medical Research and Development	W81XWH2010673	12.420	39,632	39,230
Military Medical Research and Development	W81XWH2110088	12.420	54,514	-
Military Medical Research and Development	W81XWH2211077	12.420	69,170	-
Military Medical Research and Development	W81XWH2010003	12.420	71,156	-
Military Medical Research and Development	W81XWH-20-1-0454	12.420	74,500	-
Military Medical Research and Development	HT94252310020	12.420	84,977	-
Military Medical Research and Development	HT9425-23-1-1070	12.420	85,494	-
Military Medical Research and Development	HT9425-23-1-0740	12.420	87,634	-

**Yale University**  
**Schedule of Expenditures of Federal Awards**  
**Year Ended June 30, 2024**

<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<u>Federal Assistance Listing Number</u>	<u>Expenditures</u>	<u>Subrecipient Expenditures</u>
I. Research and Development Cluster				
Department of Defense				
Direct: (Continued)				
Military Medical Research and Development	W81XWH2210623	12.420	\$ 115,553	\$ -
Military Medical Research and Development	HT9425-23-1-0739	12.420	115,649	-
Military Medical Research and Development	W81XWH2010680	12.420	116,993	-
Military Medical Research and Development	HT94252310126	12.420	125,708	-
Military Medical Research and Development	W81XWH2010538	12.420	138,046	-
Military Medical Research and Development	W81XWH2110956	12.420	139,008	-
Military Medical Research and Development	W81XWH2110019	12.420	154,459	-
Military Medical Research and Development	W81XWH-22-1-0099	12.420	182,597	-
Military Medical Research and Development	W81XWH-21-1-0718/LR200001	12.420	193,470	-
Military Medical Research and Development	HT9425-23-1-0602	12.420	195,577	-
Military Medical Research and Development	W81XWH2010310	12.420	197,138	122,209
Military Medical Research and Development	W81XWH1910557	12.420	198,420	-
Military Medical Research and Development	HT9425-23-1-0670	12.420	219,339	-
Military Medical Research and Development	W81XWH2210865	12.420	245,604	-
Military Medical Research and Development	W81XWH2110514	12.420	249,590	-
Military Medical Research and Development	HT9425-23-1-0603	12.420	270,422	-
Military Medical Research and Development	HT94252310735	12.420	282,335	-
Military Medical Research and Development	HT94252330001	12.420	283,304	172,591
Military Medical Research and Development	W81XWH2110479	12.420	297,583	-
Military Medical Research and Development	W81XWH2010580	12.420	299,443	-
Military Medical Research and Development	W81XWH2010297	12.420	329,660	-
Military Medical Research and Development	W81XWH2211078	12.420	338,879	-
Military Medical Research and Development	W81XWH2010718	12.420	342,875	-
Military Medical Research and Development	W81XWH2210629	12.420	353,714	-
Military Medical Research and Development	W81XWH2010882	12.420	364,856	-
Military Medical Research and Development	HT9425-23-1-0441	12.420	365,738	-
Military Medical Research and Development	HT9425-23-1-0329	12.420	389,566	-
Military Medical Research and Development	HT94252310472	12.420	404,486	-
Military Medical Research and Development	HT94252310458	12.420	414,791	-
Military Medical Research and Development	W81XWH2110488	12.420	443,260	-
Military Medical Research and Development	W81XWH2110411	12.420	443,473	-
Military Medical Research and Development	HT9425-23-1-0440	12.420	467,259	-
Military Medical Research and Development	W81XWH2210823	12.420	525,674	-
Military Medical Research and Development	HT94252310860	12.420	534,829	5,380
Military Medical Research and Development	W81XWH2110547	12.420	548,795	161,177
Military Medical Research and Development	W81XWH2110717	12.420	594,174	-
Military Medical Research and Development	HT9425-23-1-0454	12.420	615,255	71,503
Military Medical Research and Development	W81XWH2210005	12.420	868,929	-
Military Medical Research and Development	W81XWH2110739	12.420	2,612,519	67,629
			15,587,812	639,719
Basic Scientific Research	W911NF-17-1-0172	12.431	(2)	-
Basic Scientific Research	W911NF1910371	12.431	(1)	-
Basic Scientific Research	W911NF2110256	12.431	13,444	-
Basic Scientific Research	W911NF-23-1-0064	12.431	13,873	-
Basic Scientific Research	W911NF-24-1-0029	12.431	19,042	-
Basic Scientific Research	W911NF2310139	12.431	82,600	-
Basic Scientific Research	W911NF-24-1-0060	12.431	110,250	-
Basic Scientific Research	W911NF1810212	12.431	153,734	-
Basic Scientific Research	W911NF-23-1-0132	12.431	168,277	-
Basic Scientific Research	W911NF-23-1-0088	12.431	189,919	-
Basic Scientific Research	W911NF-23-1-0032	12.431	219,610	39,549
Basic Scientific Research	FA9550-22-1-0320	12.431	226,659	-
Basic Scientific Research	W911NF2310006	12.431	268,206	-
Basic Scientific Research	W911NF2210053	12.431	557,995	171,171
Basic Scientific Research	W911NF-23-1-0051	12.431	3,430,444	-
			5,454,050	210,720

The accompanying notes are an integral part of this schedule

**Yale University**  
**Schedule of Expenditures of Federal Awards**  
**Year Ended June 30, 2024**

<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<b>Federal Assistance Listing</b> <u>Number</u>	<u>Expenditures</u>	<b>Subrecipient</b> <u>Expenditures</u>
<b>I. Research and Development Cluster</b>				
<b>Department of Defense</b>				
<b>Direct: (Continued)</b>				
Air Force Defense Research Sciences Program	FA9550-24-1-0096	12.800	\$ 2,540	\$ -
Air Force Defense Research Sciences Program	FA9550-24-1-0182	12.800	5,657	-
Air Force Defense Research Sciences Program	FA9550-22-1-0097	12.800	11,093	-
Air Force Defense Research Sciences Program	FA9550-24-1-0038	12.800	12,571	-
Air Force Defense Research Sciences Program	FA9550-20-1-0129	12.800	40,269	-
Air Force Defense Research Sciences Program	FA9550-23-1-0605	12.800	44,456	-
Air Force Defense Research Sciences Program	FA9550-24-1-0085	12.800	46,798	-
Air Force Defense Research Sciences Program	FA9550-18-1-0134	12.800	58,203	-
Air Force Defense Research Sciences Program	FA9550-24-1-0033	12.800	70,517	-
Air Force Defense Research Sciences Program	FA9550-24-1-0048	12.800	78,680	-
Air Force Defense Research Sciences Program	FA9550-21-1-0173	12.800	92,395	-
Air Force Defense Research Sciences Program	FA9550-22-1-0393	12.800	111,352	-
Air Force Defense Research Sciences Program	FA9550-22-1-0209	12.800	113,683	-
Air Force Defense Research Sciences Program	FA9550-22-1-0041	12.800	125,849	-
Air Force Defense Research Sciences Program	FA9550-18-1-0213	12.800	164,143	-
Air Force Defense Research Sciences Program	FA9550-21-1-0152	12.800	583,164	-
Air Force Defense Research Sciences Program	FA9550-23-1-0338	12.800	1,121,423	648,370
			2,682,793	648,370
Research and Technology Development	HR0011-20-2-0045	12.910	1,017	-
Research and Technology Development	HR0011-24-2-0346	12.910	13,866	-
Research and Technology Development	HR0011-23-3-00019	12.910	52,278	-
Research and Technology Development	D23AP00171-00	12.910	88,741	-
Research and Technology Development	D22AP00141	12.910	208,241	80,481
Research and Technology Development	HR00112320038	12.910	332,726	164,930
Research and Technology Development	FA8650-18-2-7850	12.910	442,258	254,408
Research and Technology Development	HR00112320003	12.RD	506,843	-
Research and Technology Development	HR00112320023	12.RD	663,184	285,310
Research and Technology Development	HR00112120014	12.910	2,169,693	950,379
			4,478,847	1,735,508
	Subtotal - Department of Defense - Direct		32,838,873	4,613,644
<b>Pass-through:</b>				
Applied Research Associates, Inc - Department of Defense	S-D00154-00003-YALE	12.RD	(214,065)	-
Pennsylvania State University - Department of Defense	S001881-AFOSR	12.RD	(200,649)	-
Dana Farber Cancer Institute - Department of Defense	3089103	12.RD	3,270	-
Nalas Engineering Services - Department of Defense	SERDP Project Number WP20-1010	12.RD	4,360	-
Azimuth Corporation - Department of Defense	238-011-Yale	12.RD	11,721	-
Princeton University - Department of Defense	SUB0000773	12.RD	26,882	-
Icahn School of Medicine at Mount Sinai (ISMMS) - Department of Defense	0258-A061-4609	12.RD	30,847	-
University of Washington, Seattle - Department of Defense	UWSC13521	12.RD	102,676	-
Tunoptix Inc - Department of Defense	HR001123C0034	12.RD	195,439	-
Georgia Institute of Technology - Department of Defense	AWD-004311-S8	12.RD	273,550	-
GE Global Research - Department of Defense	401126008	12.RD	355,354	-
University of Washington, Seattle - Department of Defense	UWSC14393	12.RD	408,013	-
University of California, Berkeley - Department of Defense	11281	12.RD	531,228	-
			1,528,626	-
University of Rochester - Basic and Applied Scientific Research	417314/URFAO:GR510771	12.300	23,043	-
New York University - Basic and Applied Scientific Research	F1168-01	12.300	50,457	-
University of Illinois, Chicago - Basic and Applied Scientific Research	097239-17598	12.300	70,670	-
Cornell University - Basic and Applied Scientific Research	87748-21011	12.300	130,709	-
New York University - Basic and Applied Scientific Research	F2229-01	12.300	155,720	-
Duke University - Basic and Applied Scientific Research	313-0982	12.300	166,383	-
Purdue University - Basic and Applied Scientific Research	13000966-030	12.300	390,062	-
			987,044	-
University of Pennsylvania - Military Construction, National Guard	583239	12.400	20,788	-
			20,788	-

The accompanying notes are an integral part of this schedule

**Yale University**  
**Schedule of Expenditures of Federal Awards**  
**Year Ended June 30, 2024**

<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<u>Federal Assistance Listing Number</u>	<u>Expenditures</u>	<u>Subrecipient Expenditures</u>
I. Research and Development Cluster				
Department of Defense				
Pass-through: (Continued)				
Philips Healthcare - Military Medical Research and Development	Prime Ref #W81XWH20C0142	12.420	\$ (71)	\$ -
HHT Foundation International, Inc. - Military Medical Research and Development	2023-03	12.420	1	-
Oregon Health Sciences University - Military Medical Research and Development	1008339 YALE Capitation	12.420	422	-
University of Maryland at Baltimore - Military Medical Research and Development	21586	12.420	1,245	-
Thomas Jefferson University - Military Medical Research and Development	080-27000-X17201	12.420	3,247	-
Howard University - Military Medical Research and Development	GRT 000104-10015489	12.420	5,105	-
Massachusetts General Hospital - Military Medical Research and Development	237352	12.420	13,334	-
Johns Hopkins University - Military Medical Research and Development	2005207506	12.420	13,961	-
New York University Grossman School of Medicine - Military Medical Research and Development	23-A0-00-1009343	12.420	23,140	-
Jackson (Henry M.) Foundation - Military Medical Research and Development	4551	12.420	26,825	-
Wake Forest University Health Sciences - Military Medical Research and Development	1973-45829-11000001951	12.420	31,797	-
Dana Farber Cancer Institute - Military Medical Research and Development	3092701	12.420	42,430	-
Regents of the University of California - Military Medical Research and Development	1719 G IA192	12.420	57,448	-
Research Triangle Institute - Military Medical Research and Development	9-312-0216591-66319L	12.420	70,406	-
CaroGen Corporation - Military Medical Research and Development	W81XWH2210762	12.420	102,908	-
Icahn School of Medicine at Mount Sinai (ISMMS) - Military Medical Research and Development	0258-C031-4609	12.420	147,124	-
Jackson (Henry M.) Foundation - Military Medical Research and Development	948199	12.420	206,875	-
			746,197	-
Regets of the University of Michigan - Basic Scientific Research	SUBK00010308	12.431	103,941	-
University of Pittsburgh - Basic Scientific Research	AWD00007388 (420164-1)	12.431	130,168	-
Regents of the University of Michigan - Basic Scientific Research	SUBK00013908	12.431	150,742	-
University of Arizona - Basic Scientific Research	PRIME - W911NF2110325	12.431	208,146	-
			592,997	-
Jackson (Henry M.) Foundation - Uniformed Services University Medical Research Projects	5354	12.750	17,960	-
Jackson (Henry M.) Foundation - Uniformed Services University Medical Research Projects	6095	12.750	19,692	-
Jackson (Henry M.) Foundation - Uniformed Services University Medical Research Projects	6111	12.750	161,248	-
Jackson (Henry M.) Foundation - Uniformed Services University Medical Research Projects	5379/65821	12.750	466,361	-
			665,261	-
Ludwig Maximilians Universitat Muenchen - Air Force Defense Research Sciences Program	CAO FA9550-21-1-0039	12.800	34,052	-
Cornell University - Air Force Defense Research Sciences Program	162023-22606	12.800	114,408	-
SUNY Stony Brook - Air Force Defense Research Sciences Program	96835/1180991/2	12.800	165,937	-
Johns Hopkins University - Air Force Defense Research Sciences Program	2005131401	12.800	167,351	-
Stanford University - Air Force Defense Research Sciences Program	62742085-204669	12.800	185,816	-
University of Colorado, Denver - Air Force Defense Research Sciences Program	1563931	12.800	199,770	-
University of Chicago - Air Force Defense Research Sciences Program	AWD100482 (SUB00000155)	12.800	209,296	-
Emory University - Air Force Defense Research Sciences Program	A755663	12.800	264,067	-
University of Chicago - Air Force Defense Research Sciences Program	AWD102104 (SUB00000507)	12.800	667,737	-
			2,008,434	-
Pennsylvania State University - Research and Technology Development	S005171-DARPA	12.910	30,094	-
California Institute of Technology (Caltech) - Research and Technology Development	S547062	12.910	355,405	-
Icahn School of Medicine at Mount Sinai (ISMMS) - Research and Technology Development	0258-A951-4609	12.910	1,266,156	-
			1,651,655	-
	Subtotal - Department of Defense - Pass Through		8,201,002	-
	Subtotal - Department of Defense		41,039,875	4,613,644
Department of Agriculture				
Direct:				
COVID-19 Plant and Animal Disease, Pest Control, and Animal Care	APP-22174	10.250	-	78,019
Plant and Animal Disease, Pest Control, and Animal Care	APP-22174	10.250	306,911	-
			306,911	78,019
Specialty Crop Research Initiative	2020-70029-33160	10.309	129,869	36,118
Specialty Crop Research Initiative	2023-70029-41277	10.309	301,935	-
			431,804	36,118

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**Yale University**  
**Schedule of Expenditures of Federal Awards**  
**Year Ended June 30, 2024**

<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<u>Federal Assistance Listing Number</u>	<u>Expenditures</u>	<u>Subrecipient Expenditures</u>
I. Research and Development Cluster				
Department of Agriculture				
Direct: (Continued)				
Agriculture and Food Research Initiative (AFRI)	2020-67034-31894	10.310	\$ 1,405	\$ -
Agriculture and Food Research Initiative (AFRI)	2021-67034-35165	10.310	84,220	-
			85,625	-
Wood Utilization Assistance	23-DG-11094200-217	10.674	26,339	-
			26,339	-
Research Joint Venture and Cost Reimbursable Agreements	22-JV-11330152-043	10.707	19,445	-
			19,445	-
	Subtotal - Department of Agriculture - Direct		870,124	114,137
Pass-through:				
City of New Haven - Department of Agriculture	A22-0368/1910	10.RD	2,545	-
			2,545	-
Tufts--New England Medical Center - Agricultural Research Basic and Applied Research	103093-00001:AG0014	10.001	65,209	-
			65,209	-
University of Vermont - Sustainable Agriculture Research and Education	GNE22-291-AWD00000495	10.215	6,289	-
University of Vermont and State Agricultural College - Sustainable Agriculture Research and Education	LNE23-469-AWD00001024	10.215	21,222	-
University of Vermont - Sustainable Agriculture Research and Education	LNE21-423-35383	10.215	65,882	-
			93,393	-
Board of Regents of the University of Wisconsin System on Behalf of the University of Wisconsin-Madison - Agriculture and Food Research Initiative (AFRI)	0000002632	10.310	7,859	-
University of Georgia - Agriculture and Food Research Initiative (AFRI)	SUB00002498	10.310	160,030	-
			167,889	-
Colgate University - Forestry Research	201684-617	10.652	3,043	-
			3,043	-
	Subtotal - Department of Agriculture - Pass Through		332,079	-
	Subtotal - Department of Agriculture		1,202,203	114,137
Department of Education				
Direct:				
Fulbright-Hays Doctoral Dissertation Research Abroad (DDRA) Fellowship Program	P022A210043	84.022	31,931	-
Fulbright-Hays Doctoral Dissertation Research Abroad (DDRA) Fellowship Program	P022A220047	84.022	51,208	-
			83,139	-
Social and Behavioral Context for Academic Learning	R305A230395	84.305A	141,194	72,593
Social and Behavioral Context for Academic Learning	R305A180293	84.305A	341,283	236,428
Social and Behavioral Context for Academic Learning	R305A210262	84.305A	467,639	-
			950,116	309,021
	Subtotal - Department of Education - Direct		1,033,255	309,021
Pass-through:				
University of Virginia - Social and Behavioral Context for Academic Learning	GM10170.PO#2247557	84.305A	25,497	-
			25,497	-
Center for Educational Improvement - Supporting Effective Educator Development Program	GR22CEIPRCH - Carry Forward	84.423	69,913	-
Center for Educational Improvement - Supporting Effective Educator Development Program	GR22CEIPRCH	84.423	88,649	-
Center for Educational Improvement - Supporting Effective Educator Development Program	GR22CEIPRCH	84.423	167,754	-
			326,316	-
University of Connecticut - HEERF II Institutional Grants	170378080	84.425	33,629	-
University of Connecticut - HEERF II Institutional Grants	171318567	84.425	46,365	-
			79,994	-
	Subtotal - Department of Education - Pass Through		431,807	-
	Subtotal - Department of Education		1,465,062	309,021

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**Yale University**  
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I. Research and Development Cluster				
Department of Commerce				
Direct:				
Climate and Atmospheric Research	NA20OAR4310304	11.431	\$ 46,314	\$ -
Climate and Atmospheric Research	NA20OAR4310377	11.431	98,482	-
			144,796	-
	Subtotal - Department of Commerce - Direct		144,796	-
Pass-through:				
University of Connecticut - Sea Grant Support	KFS# 5657730 390744	11.417	25,944	-
			25,944	-
	Subtotal - Department of Commerce - Pass Through		25,944	-
	Subtotal - Department of Commerce		170,740	-
Department of Energy				
Direct:				
Department of Energy	PO# 2184982	81.RD	48,051	-
			48,051	-
Office of Science Financial Assistance Program	DE-SC0022535	81.049	(3,077)	-
Office of Science Financial Assistance Program	DE-FG02-98ER20311	81.049	4,891	-
Office of Science Financial Assistance Program	DE-SC0021953	81.049	16,017	-
Office of Science Financial Assistance Program	DE-SC0020162	81.049	61,133	-
Office of Science Financial Assistance Program	DE-SC0024180	81.049	101,384	-
Office of Science Financial Assistance Program	DE-SC0021965	81.049	151,822	-
Office of Science Financial Assistance Program	DE-SC0023284	81.049	165,773	150,739
Office of Science Financial Assistance Program	DE-SC0025593	81.049	174,187	-
Office of Science Financial Assistance Program	DE-SC0021012	81.049	175,980	-
Office of Science Financial Assistance Program	DE-SC0020315	81.049	186,859	-
Office of Science Financial Assistance Program	DE-SC0023134	81.049	198,775	124,568
Office of Science Financial Assistance Program	DE-SC0023198	81.049	211,466	-
Office of Science Financial Assistance Program	DE-SC0019211	81.049	243,861	-
Office of Science Financial Assistance Program	DE-SC0021298	81.049	260,471	-
Office of Science Financial Assistance Program	DE-FG02-05ER15646	81.049	320,657	-
Office of Science Financial Assistance Program	DE-SC0019521	81.049	328,717	-
Office of Science Financial Assistance Program	DE-SC0024709	81.049	347,931	11,781
Office of Science Financial Assistance Program	DE-SC0023672	81.049	354,563	-
Office of Science Financial Assistance Program	DE-FG02-07ER15909	81.049	600,597	-
Office of Science Financial Assistance Program	DE-SC0012654	81.049	680,095	-
Office of Science Financial Assistance Program	DE-SC0004168	81.049	1,136,714	-
Office of Science Financial Assistance Program	DE-SC0017660	81.049	1,695,385	-
			7,414,201	287,088
Renewable Energy Research and Development	DE-EE0010734	81.087	210,038	68,864
Renewable Energy Research and Development	DE-EE0009363	81.087	393,367	124,873
			603,405	193,737
	Subtotal - Department of Energy - Direct		8,065,657	480,825

**Yale University**  
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<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<u>Federal Assistance Listing Number</u>	<u>Expenditures</u>	<u>Subrecipient Expenditures</u>
I. Research and Development Cluster				
Department of Energy				
Pass-through:				
Pacific Northwest National Laboratory/DOE - Department of Energy	423572	81.RD	\$ (219)	\$ -
National Renewable Energy Laboratory (NREL)/DOE - Department of Energy	SUB-2021-10390	81.RD	23	-
Jefferson Science Associates, LLC - Department of Energy	JSA-23-Q418077 PO#23-P1077	81.RD	1,736	-
Michigan Technological University - Department of Energy	2010102DZ1	81.RD	3,780	-
Brookhaven National Laboratory/DOE - Department of Energy	440032	81.RD	6,250	-
Oak Ridge Institute for Science and Education (ORISE) - Department of Energy	ORISE Fellowship	81.RD	7,279	-
Pacific Northwest National Laboratory/DOE - Department of Energy	659300	81.RD	9,613	-
Lawrence Berkeley National Laboratory/(LBNL)/DOE - Department of Energy	7629278	81.RD	9,869	-
Fermi National Accelerator Laboratory/DOE -	710294	81.RD	10,133	-
Sandia National Laboratories/DOE - Department of Energy	PO# 2184982	81.RD	11,587	-
Lawrence Berkeley National Laboratory/(LBNL)/DOE - Department of Energy	7631842	81.RD	11,941	-
Lawrence Livermore National Laboratory/DOE - Department of Energy	B655885	81.RD	12,639	-
REMADE Institute/SMIA - Department of Energy	SA-19-18/18-01-SA-05	81.RD	21,628	-
Pacific Northwest National Laboratory/DOE - Department of Energy	655680	81.RD	30,676	-
Colorado School of Mines - Department of Energy	401385-5801	81.RD	32,121	-
Lawrence Livermore National Laboratory/DOE - Department of Energy	B658641	81.RD	46,604	-
Lawrence Livermore National Laboratory/DOE - Department of Energy	B654518	81.RD	55,677	-
Lawrence Berkeley National Laboratory/(LBNL)/DOE - Department of Energy	2021-0568	81.RD	63,101	-
Brookhaven National Laboratory/DOE - Department of Energy	424803	81.RD	63,792	-
REMADE Institute/SMIA - Department of Energy	SA-20-10	81.RD	67,519	-
Lawrence Livermore National Laboratory/DOE - Department of Energy	B660847	81.RD	70,201	-
Oak Ridge National Laboratory/DOE - Department of Energy	CW43727	81.RD	72,809	-
National Renewable Energy Laboratory (NREL)/DOE - Department of Energy	SUB-2023-10317	81.RD	76,563	-
Lawrence Livermore National Laboratory/DOE - Department of Energy	B650854	81.RD	82,145	-
University of Missouri-Columbia - Department of Energy	C00081734-1	81.RD	88,495	-
Sandia National Laboratories/DOE - Department of Energy	PO # 2449257 / 2011882 / 001SOW(05-17)	81.RD	98,638	-
Sandia National Laboratories/DOE - Department of Energy	2227089	81.RD	122,055	-
Regents University of California, San Francisco - Department of Energy	7369232	81.RD	131,091	-
Lawrence Berkeley National Laboratory/(LBNL)/DOE - Department of Energy	7722244	81.RD	152,764	-
Lawrence Berkeley National Laboratory/(LBNL)/DOE - Department of Energy	7563699	81.RD	181,413	-
Fermi National Accelerator Laboratory/DOE - Department of Energy	653603	81.RD	188,325	-
Fermi National Accelerator Laboratory/DOE - Department of Energy	683405	81.RD	189,468	-
Lawrence Berkeley National Laboratory/(LBNL)/DOE - Department of Energy	7615037	81.RD	199,394	-
Lawrence Berkeley National Laboratory/(LBNL)/DOE - Department of Energy	7648973	81.RD	217,547	-
Sandia National Laboratories/DOE - Department of Energy	2582803	81.RD	339,908	-
Brookhaven National Laboratory/DOE - Department of Energy	420940	81.RD	637,984	-
University of North Carolina - Department of Energy	5118795	81.RD	1,261,020	-
Brookhaven National Laboratory/DOE - Department of Energy	390027	81.RD	2,774,392	-
			7,349,961	-
Duke University - Office of Science Financial Assistance Program	323-000048	81.049	11,943	-
University of Missouri-Columbia - Office of Science Financial Assistance Program	C00069556-1	81.049	23,532	-
Duke University - Office of Science Financial Assistance Program	323-000045	81.049	48,019	-
Cornell University - Office of Science Financial Assistance Program	85989-11162	81.049	106,048	-
Research Foundation of CUNY - Office of Science Financial Assistance Program	CM00002281-04	81.049	141,536	-
Regents of the University of California - Office of Science Financial Assistance Program	2022-1848	81.049	159,385	-
Northwestern University - Office of Science Financial Assistance Program	60057285 YALE	81.049	166,396	-
Northwestern University - Office of Science Financial Assistance Program	60063984 YU	81.049	178,374	-
Massachusetts Institute of Technology (MIT) - Office of Science Financial Assistance Program	S5862 PO#826438	81.049	371,626	-
			1,206,859	-

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**Yale University**  
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<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<u>Federal Assistance Listing Number</u>	<u>Expenditures</u>	<u>Subrecipient Expenditures</u>
I. Research and Development Cluster				
Department of Energy				
Pass-through: (Continued)				
Colorado State University - Renewable Energy Research and Development	G-64001-02	81.087	\$ (217)	\$ -
North Carolina State University - Renewable Energy Research and Development	2019-0048-01	81.087	26,020	-
			25,803	-
	Subtotal - Department of Energy - Pass Through		8,582,623	-
	Subtotal - Department of Energy		16,648,280	480,825
Department of Health & Human Services				
Direct:				
COVID-19 Department Of Health And Human Services	75D30121C10286	93.RD	1,520	-
Department Of Health And Human Services	7OT2CA278649	93.RD	11,858	-
Department Of Health And Human Services	75F40122P00413	93.RD	25,587	-
Department Of Health And Human Services	75N93022P01153	93.RD	59,034	-
Department Of Health And Human Services	1OT2OD037644-01	93.RD	66,126	-
Department Of Health And Human Services	75N95023P00830/6791519	93.RD	78,511	-
Department Of Health And Human Services	7OT2CA278649	93.RD	218,139	-
Department Of Health And Human Services	5R01CA226842-02	93.RD	235,641	37,200
Department Of Health And Human Services	1R01GM137117	93.RD	314,982	-
Department Of Health And Human Services	T32GM149438	93.RD	515,684	-
COVID-19 Department Of Health And Human Services	75D30122C14697	93.RD	1,066,709	-
COVID-19 Department Of Health And Human Services	75F40120C00174	93.RD	1,114,359	-
Department Of Health And Human Services	75N92019D00036	93.RD	1,317,710	783,652
			5,025,860	820,852
Family Smoking Prevention and Tobacco Control Act Regulatory Research	5R01DA052566-02	93.077	28,479	-
Family Smoking Prevention and Tobacco Control Act Regulatory Research	5R01DA054993-03	93.077	135,677	-
Family Smoking Prevention and Tobacco Control Act Regulatory Research	1K01DA056424	93.077	147,803	-
Family Smoking Prevention and Tobacco Control Act Regulatory Research	R01DA052566	93.077	183,901	-
Family Smoking Prevention and Tobacco Control Act Regulatory Research	3K01DA056494	93.077	199,035	-
Family Smoking Prevention and Tobacco Control Act Regulatory Research	5R01DA049878	93.077	258,341	68,774
Family Smoking Prevention and Tobacco Control Act Regulatory Research	5R01DA046334	93.077	308,944	-
Family Smoking Prevention and Tobacco Control Act Regulatory Research	5R01DA046360	93.077	311,592	-
Family Smoking Prevention and Tobacco Control Act Regulatory Research	5R01DA054993-02	93.077	384,711	-
Family Smoking Prevention and Tobacco Control Act Regulatory Research	5U54DA036151-10/3U54DA036151-09S1,S2,S3	93.077	953,202	272,456
Family Smoking Prevention and Tobacco Control Act Regulatory Research	U54DA036151	93.077	3,044,585	281,700
			5,956,270	622,930
Prevention of Disease, Disability, and Death by Infectious Diseases	6 U01CK000572	93.084	71,782	-
Prevention of Disease, Disability, and Death by Infectious Diseases	1U01CK000572	93.084	204,370	153,884
			276,152	153,884
Food and Drug Administration - Research	1U01FD008131	93.103	105,172	-
Food and Drug Administration - Research	2U01FD005938	93.103	984,182	100,094
COVID-19 Food and Drug Administration - Research	5U01FD005938	93.103	34,522	-
Food and Drug Administration - Research	5U01FD005938	93.103	2,174,389	1,762,981
			3,298,265	1,863,075

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**Yale University**  
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I. Research and Development Cluster				
Department of Health & Human Services				
Direct: (Continued)				
Environmental Health	1R24ES036135	93.113	\$ 14,603	\$ -
Environmental Health	1R03ES033381-01	93.113	49,484	-
Environmental Health	5R21ES034164	93.113	136,293	-
Environmental Health	1R21ES031525	93.113	207,834	-
Environmental Health	R01ES026246	93.113	381,015	341,419
Environmental Health	2R01ES005775-26	93.113	431,168	-
Environmental Health	1R01ES030562	93.113	458,313	28,742
Environmental Health	7R01ES033630	93.113	1,037,794	-
			<u>2,716,504</u>	<u>370,161</u>
Oral Diseases and Disorders Research	1F31DE030332-01	93.121	5,587	-
Oral Diseases and Disorders Research	7U01DE033324	93.121	34,321	-
Oral Diseases and Disorders Research	7R01DE028061	93.121	296,402	36,918
Oral Diseases and Disorders Research	7R01DE030656	93.121	531,454	366,244
			<u>867,764</u>	<u>403,162</u>
Health Professions Pre-graduate Scholarship Program for Indians	1UG3AT012262	93.123	173,169	53,269
			<u>173,169</u>	<u>53,269</u>
Emergency Medical Services for Children	H34MC33245	93.127	87,779	37,346
			<u>87,779</u>	<u>37,346</u>
Centers for Research and Demonstration for Health Promotion and Disease Prevention	1 U48DP006380	93.135	909,245	467,344
			<u>909,245</u>	<u>467,344</u>
NIEHS Superfund Hazardous Substances - Basic Research and Education	1P42ES033815	93.143	119,152	44,375
NIEHS Superfund Hazardous Substances - Basic Research and Education	R01ES032712	93.143	157,561	117,749
NIEHS Superfund Hazardous Substances - Basic Research and Education	1P42ES033815	93.143	1,349,781	22,000
			<u>1,626,494</u>	<u>184,124</u>
Human Genome Research	U24 HG012108	93.172	1,511	-
Human Genome Research	1R01HG013371	93.172	76,980	-
Human Genome Research	1R01HG012969	93.172	197,041	-
Human Genome Research	1R01HG010171	93.172	221,996	-
Human Genome Research	4R00HG010669-03	93.172	252,626	-
Human Genome Research	1R01HG010749-01A1	93.172	322,612	117,181
Human Genome Research	R01HG010898	93.172	432,993	35,879
Human Genome Research	R01HG011245	93.172	525,805	-
Human Genome Research	1R01HG012735	93.172	626,666	198,589
Human Genome Research	R01HG012872	93.172	869,311	-
Human Genome Research	1R01HG011868-01	93.172	980,159	474,838
Human Genome Research	7R01HG011066	93.172	1,000,719	741,472
Human Genome Research	1U24HG012108	93.172	1,661,281	-
Human Genome Research	7RM1HG011558	93.172	2,242,813	1,905,504
			<u>9,412,513</u>	<u>3,473,463</u>
Research Related to Deafness and Communication Disorders	5R01DC008130	93.173	(1,466)	-
Research Related to Deafness and Communication Disorders	5R01DC016318-02	93.173	(417)	-
Research Related to Deafness and Communication Disorders	1R21DC018098	93.173	15,143	(1,144)
Research Related to Deafness and Communication Disorders	1F31DC021886	93.173	27,549	-
Research Related to Deafness and Communication Disorders	1F32DC019250	93.173	29,860	-
Research Related to Deafness and Communication Disorders	1K99DC021743	93.173	44,646	-
Research Related to Deafness and Communication Disorders	F32DC019521	93.173	48,087	-
Research Related to Deafness and Communication Disorders	1F32DC019302	93.173	57,758	-
Research Related to Deafness and Communication Disorders	1K99DC021504	93.173	70,749	-
Research Related to Deafness and Communication Disorders	R01DC017025	93.173	140,835	-
Research Related to Deafness and Communication Disorders	1R01DC016851-01A1	93.173	217,039	-
Research Related to Deafness and Communication Disorders	2R01DC004729	93.173	254,701	-
Research Related to Deafness and Communication Disorders	7R01DC002717	93.173	271,615	83,607
Research Related to Deafness and Communication Disorders	2R01DC002174-33A1	93.173	272,459	-

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<u>Federal Agency/Pass-Through Entity/Program Title</u>		<u>Direct / Pass-Through Number</u>	<b>Federal Assistance Listing</b>	<b>Expenditures</b>	<b>Subrecipient Expenditures</b>
			<b>Number</b>		
<b>I. Research and Development Cluster</b>					
<b>Department of Health &amp; Human Services</b>					
<b>Direct: (Continued)</b>					
	Research Related to Deafness and Communication Disorders	R01DC013791	93.173	\$ 316,926	\$ -
	Research Related to Deafness and Communication Disorders	2R01DC001919	93.173	375,776	-
	Research Related to Deafness and Communication Disorders	2R01DC011697	93.173	385,696	-
	Research Related to Deafness and Communication Disorders	1R01DC017989	93.173	393,750	104,499
	Research Related to Deafness and Communication Disorders	7R01DC017439	93.173	404,874	-
	Research Related to Deafness and Communication Disorders	1R01DC018570-01	93.173	451,820	-
	Research Related to Deafness and Communication Disorders	1R01DC019057	93.173	517,820	-
	Research Related to Deafness and Communication Disorders	1R56DC021057	93.173	648,381	-
	Research Related to Deafness and Communication Disorders	R01DC016318	93.173	699,024	171,850
	Research Related to Deafness and Communication Disorders	7R01DC019687	93.173	750,309	-
				<u>6,392,934</u>	<u>358,812</u>
	Immunization Research, Demonstration, Public Information and Education_Training and Clinical Skills Improvement Projects	1U01IP001110-01-00	93.185	25,820	26,476
	Immunization Research, Demonstration, Public Information and Education_Training and Clinical Skills Improvement Projects	6 U01IP001110-03	93.185	216,946	75,399
				<u>242,766</u>	<u>101,875</u>
	Research and Training in Complementary and Integrative Health	5R21AT010763	93.213	15,194	-
	Research and Training in Complementary and Integrative Health	5R01AT010508	93.213	99,168	-
	Research and Training in Complementary and Integrative Health	K08AT011570	93.213	138,950	-
	Research and Training in Complementary and Integrative Health	1R21AT012430	93.213	168,305	-
	Research and Training in Complementary and Integrative Health	1R21AT011575	93.213	192,398	-
	Research and Training in Complementary and Integrative Health	5K23AT011342	93.213	196,904	-
	Research and Training in Complementary and Integrative Health	5R34AT009887	93.213	203,410	-
	Research and Training in Complementary and Integrative Health	5R33AT010619	93.213	264,554	-
	Research and Training in Complementary and Integrative Health	5UH3AT009758-04	93.213	287,563	70,370
	Research and Training in Complementary and Integrative Health	R01AT010014	93.213	310,815	-
	Research and Training in Complementary and Integrative Health	4R33AT010619-02	93.213	614,609	144,511
	Research and Training in Complementary and Integrative Health	5UH3AT009758	93.213	693,954	117,925
	Research and Training in Complementary and Integrative Health	R01AT011419	93.213	781,361	545,171
	Research and Training in Complementary and Integrative Health	R01AT012041	93.213	818,948	-
	Research and Training in Complementary and Integrative Health	5UH3AT009767-06	93.213	860,007	746,419
	Research and Training in Complementary and Integrative Health	5U24AT009769	93.213	1,725,414	110,626
				<u>7,371,554</u>	<u>1,735,022</u>
COVID-19	Research on Healthcare Costs, Quality and Outcomes	2T32HS017589	93.226	10,300	-
	Research on Healthcare Costs, Quality and Outcomes	R01HS028340	93.226	28,917	-
	Research on Healthcare Costs, Quality and Outcomes	1R01HS028612	93.226	78,613	20,872
	Research on Healthcare Costs, Quality and Outcomes	7R01HS026506	93.226	82,687	35,239
	Research on Healthcare Costs, Quality and Outcomes	1R01HS029789	93.226	131,814	83,055
	Research on Healthcare Costs, Quality and Outcomes	1R18HS029812	93.226	225,654	-
	Research on Healthcare Costs, Quality and Outcomes	2T32HS017589	93.226	312,774	-
	Research on Healthcare Costs, Quality and Outcomes	1R01HS027626	93.226	591,038	135,268
	Research on Healthcare Costs, Quality and Outcomes	1U18HS029307	93.226	641,958	501,604
	Research on Healthcare Costs, Quality and Outcomes	U18HS029307	93.226	736,686	349,825
			<u>2,840,441</u>	<u>1,125,863</u>	
	National Center on Sleep Disorders Research	1R03HL157009-01	93.233	22,047	-
	National Center on Sleep Disorders Research	1K23HL159259-01	93.233	196,479	-
	National Center on Sleep Disorders Research	R01HL163659	93.233	567,289	-
	National Center on Sleep Disorders Research	U01HL150596	93.233	962,977	359,462
				<u>1,748,792</u>	<u>359,462</u>

The accompanying notes are an integral part of this schedule

**Yale University**  
**Schedule of Expenditures of Federal Awards**  
**Year Ended June 30, 2024**

<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<u>Federal Assistance Listing Number</u>	<u>Expenditures</u>	<u>Subrecipient Expenditures</u>
I. Research and Development Cluster				
Department of Health & Human Services				
Direct: (Continued)				
Mental Health Research Grants	5R01MH093897	93.242	\$ (1,606)	\$ -
Mental Health Research Grants	5R01MH116002-04	93.242	883	-
Mental Health Research Grants	1F31MH127891	93.242	2,196	-
Mental Health Research Grants	R56MH116941	93.242	3,293	-
Mental Health Research Grants	2U01MH107803-06	93.242	5,338	-
Mental Health Research Grants	5K23MH115252-05	93.242	8,268	-
Mental Health Research Grants	5K08MH116119-04	93.242	16,399	-
Mental Health Research Grants	R01MH115939	93.242	18,640	-
Mental Health Research Grants	K23MH118999	93.242	19,572	-
Mental Health Research Grants	U01MH136497	93.242	19,573	-
Mental Health Research Grants	RF1MH123245	93.242	20,889	-
Mental Health Research Grants	1R34MH134915	93.242	25,784	-
Mental Health Research Grants	1R21MH123870-01A1	93.242	27,227	-
Mental Health Research Grants	F30MH124271	93.242	27,566	-
Mental Health Research Grants	5K08MH117351-05	93.242	27,866	-
Mental Health Research Grants	F30MH123074	93.242	28,357	-
Mental Health Research Grants	1F30MH132282	93.242	32,319	-
Mental Health Research Grants	F30MH129085	93.242	32,654	-
Mental Health Research Grants	7R01MH117289-02	93.242	39,863	42,165
Mental Health Research Grants	1R21MH134183	93.242	42,893	-
Mental Health Research Grants	1R21MH125199	93.242	43,309	4,720
Mental Health Research Grants	1R21MH134565	93.242	48,029	-
Mental Health Research Grants	1F31MH131246	93.242	52,335	-
Mental Health Research Grants	2R01MH099045	93.242	53,941	-
Mental Health Research Grants	1R01MH120080-01	93.242	56,975	56,837
Mental Health Research Grants	1R21MH122940	93.242	58,524	-
Mental Health Research Grants	1R03MH128847-01A1	93.242	72,812	-
Mental Health Research Grants	1F32MH129052-01A1	93.242	73,172	-
Mental Health Research Grants	1R01MH132386	93.242	74,337	74,337
Mental Health Research Grants	1R01MH132605	93.242	78,649	-
Mental Health Research Grants	1R21MH125293-01A1	93.242	85,093	-
Mental Health Research Grants	8K00MH133250	93.242	93,630	-
Mental Health Research Grants	5U01MH107803	93.242	105,512	-
Mental Health Research Grants	1R01MH118554	93.242	105,627	-
Mental Health Research Grants	1R21MH126072	93.242	107,015	-
Mental Health Research Grants	K23MH130718	93.242	115,857	-
Mental Health Research Grants	K01MH122316	93.242	120,328	-
Mental Health Research Grants	1R21MH133370	93.242	120,771	4,326
Mental Health Research Grants	RF1MH123978	93.242	124,257	-
Mental Health Research Grants	5U01MH124639	93.242	126,168	(54,242)
Mental Health Research Grants	5R21MH120615-02/3R21MH120615-02S1	93.242	128,256	8,610
Mental Health Research Grants	K08MH134028	93.242	131,865	-
Mental Health Research Grants	1R21MH122887	93.242	140,276	-
Mental Health Research Grants	1R21MH130927	93.242	148,419	-
Mental Health Research Grants	5K23MH122777	93.242	161,383	-
Mental Health Research Grants	1R21MH128114	93.242	161,569	26,110
Mental Health Research Grants	5K08MH122733-03	93.242	162,634	-
Mental Health Research Grants	1R01MH113557	93.242	163,776	-

**Yale University**  
**Schedule of Expenditures of Federal Awards**  
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<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<u>Federal Assistance Listing Number</u>	<u>Expenditures</u>	<u>Subrecipient Expenditures</u>
I. Research and Development Cluster				
Department of Health & Human Services				
Direct: (Continued)				
Mental Health Research Grants	1K01MH125142	93.242	\$ 187,428	\$ 50,729
Mental Health Research Grants	1R56MH122449-01A1	93.242	191,821	13,527
Mental Health Research Grants	5K23MH123760-03	93.242	192,942	-
Mental Health Research Grants	1R01MH132685	93.242	196,381	-
Mental Health Research Grants	1K23MH128451-01A1	93.242	201,250	-
Mental Health Research Grants	1R01MH119430-01	93.242	203,120	-
Mental Health Research Grants	1K08MH128665	93.242	207,992	-
Mental Health Research Grants	2R25MH071584	93.242	214,628	-
Mental Health Research Grants	R01MH134715	93.242	220,634	50,171
Mental Health Research Grants	R01MH077939	93.242	221,311	-
Mental Health Research Grants	5K24MH121571	93.242	222,112	-
Mental Health Research Grants	1R01MH131528	93.242	225,586	106,048
Mental Health Research Grants	R25MH077823	93.242	226,971	-
Mental Health Research Grants	5T32MH019961	93.242	235,651	-
Mental Health Research Grants	1R34MH131238-01	93.242	237,371	29,485
Mental Health Research Grants	1R21MH133245	93.242	237,489	-
Mental Health Research Grants	K23MH121778-01	93.242	237,851	-
Mental Health Research Grants	R01MH116527	93.242	243,269	244,679
Mental Health Research Grants	1R21MH128740	93.242	260,083	-
Mental Health Research Grants	1K23MH126366	93.242	260,710	-
Mental Health Research Grants	4R00MH129565	93.242	263,346	-
Mental Health Research Grants	1R01MH118453	93.242	267,678	-
Mental Health Research Grants	R25MH087217	93.242	272,554	15,416
Mental Health Research Grants	1RF1MH128614-01	93.242	275,359	179,135
Mental Health Research Grants	5R01MH119826	93.242	281,148	200,234
Mental Health Research Grants	1R01MH127158	93.242	290,525	222,468
Mental Health Research Grants	5T32MH014276	93.242	337,120	-
Mental Health Research Grants	1R61MH129559	93.242	358,352	-
Mental Health Research Grants	1R34MH130260	93.242	367,083	174,941
Mental Health Research Grants	4R33MH115113-03	93.242	369,488	-
Mental Health Research Grants	5R01MH116038	93.242	374,040	-
Mental Health Research Grants	1R01MH121372-01	93.242	395,072	-
Mental Health Research Grants	4R33MH123028	93.242	432,349	-
Mental Health Research Grants	5P30MH062294	93.242	432,891	-
Mental Health Research Grants	R01MH133543	93.242	442,995	83,023
Mental Health Research Grants	1R01MH124802	93.242	452,093	399,645
Mental Health Research Grants	1R01MH120081-01	93.242	470,819	-
Mental Health Research Grants	T32MH018268	93.242	471,963	-
Mental Health Research Grants	2R01MH077681	93.242	486,397	-
Mental Health Research Grants	1R01MH118245	93.242	513,405	265,431
Mental Health Research Grants	1R01MH125737	93.242	524,140	102,447
Mental Health Research Grants	R01MH118215	93.242	529,792	-
Mental Health Research Grants	1R01MH121991-01	93.242	541,679	-
Mental Health Research Grants	1R01MH119164	93.242	546,249	67,274
Mental Health Research Grants	2T32MH020031	93.242	562,040	-
Mental Health Research Grants	U01MH116488	93.242	562,673	-
Mental Health Research Grants	R01MH113257	93.242	592,120	-
Mental Health Research Grants	1U01MH124619	93.242	600,176	169,292
Mental Health Research Grants	R01MH129371	93.242	610,585	-
Mental Health Research Grants	1R01MH132137	93.242	617,815	-
Mental Health Research Grants	1R01MH130609	93.242	621,147	-
Mental Health Research Grants	5R01MH118332	93.242	628,083	75,650

The accompanying notes are an integral part of this schedule

**Yale University**  
**Schedule of Expenditures of Federal Awards**  
**Year Ended June 30, 2024**

<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<u>Federal Assistance Listing Number</u>	<u>Expenditures</u>	<u>Subrecipient Expenditures</u>
I. Research and Development Cluster				
Department of Health & Human Services				
Direct: (Continued)				
Mental Health Research Grants	R01MH125203	93.242	\$ 681,855	\$ -
Mental Health Research Grants	1R01MH133562	93.242	696,773	184,014
Mental Health Research Grants	R01MH131720	93.242	713,098	-
Mental Health Research Grants	1R01MH131551	93.242	717,641	-
Mental Health Research Grants	R01MH125396	93.242	760,425	-
Mental Health Research Grants	1R01MH131768	93.242	763,856	-
Mental Health Research Grants	7R01MH118278	93.242	767,478	157,860
Mental Health Research Grants	1R01MH125008-01	93.242	775,281	-
Mental Health Research Grants	1R01MH127259	93.242	790,795	216,065
Mental Health Research Grants	R01MH121095	93.242	804,324	-
Mental Health Research Grants	1R01MH123155	93.242	811,692	505,135
Mental Health Research Grants	5R01MH120089/3R01MH120089	93.242	820,546	-
Mental Health Research Grants	1R01MH130538	93.242	826,960	-
Mental Health Research Grants	1R01MH129721-01A1	93.242	827,109	-
Mental Health Research Grants	R01MH118344-01A1	93.242	842,370	53,497
Mental Health Research Grants	1R01MH127147	93.242	854,943	-
Mental Health Research Grants	R01MH130825	93.242	857,083	-
COVID-19 Mental Health Research Grants	R01MH125737	93.242	882,882	186,016
Mental Health Research Grants	1R01MH128190	93.242	915,112	-
COVID-19 Mental Health Research Grants	RF1MH132356	93.242	916,150	779,052
Mental Health Research Grants	5R01MH118728	93.242	921,585	4,969
Mental Health Research Grants	5R01MH125205/3R01MH125205	93.242	929,621	348,394
Mental Health Research Grants	5R01MH116657-03	93.242	934,765	-
Mental Health Research Grants	1R01MH129301	93.242	969,102	308,057
Mental Health Research Grants	1R01MH124892-01A1	93.242	979,369	-
Mental Health Research Grants	1R01MH124110	93.242	1,088,837	42,167
Mental Health Research Grants	1RM1MH132648	93.242	1,194,953	-
Mental Health Research Grants	UMH108206B	93.242	1,211,049	1,207,868
Mental Health Research Grants	RF1MH128876	93.242	1,213,255	-
Mental Health Research Grants	5U01MH107803	93.242	1,420,388	-
Mental Health Research Grants	U01MH122678	93.242	1,440,841	-
COVID-19 Mental Health Research Grants	1RF1MH132337-01	93.242	1,563,017	-
Mental Health Research Grants	5U01MH121766	93.242	1,853,129	871,871
Mental Health Research Grants	2P30MH062294	93.242	1,879,079	575,687
Mental Health Research Grants	5U01MH124639-03	93.242	3,366,755	3,212,138
Mental Health Research Grants	5U19MH108206	93.242	6,687,129	4,137,434
Mental Health Research Grants	5U01MH124639	93.242	14,625,945	11,714,535
			80,533,461	27,117,217

**Yale University**  
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<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<b>Federal Assistance</b>		
		<b><u>Listing Number</u></b>	<b><u>Expenditures</u></b>	<b><u>Subrecipient Expenditures</u></b>
<b>I. Research and Development Cluster</b>				
<b>Department of Health &amp; Human Services</b>				
<b>Direct: (Continued)</b>				
Substance Abuse and Mental Health Services - Projects of Regional and National Significance	5H79TI080966-03	93.243	\$ 334,951	\$ 24,883
			334,951	24,883
Occupational Safety and Health Program	R21OH012524	93.262	135,643	-
			135,643	-
Alcohol Research Programs	1R21AA029206	93.273	(4,332)	-
Alcohol Research Programs	5P50AA012870-20	93.273	(707)	-
Alcohol Research Programs	1T35AA023760	93.273	159	-
Alcohol Research Programs	5R01AA026514	93.273	6,927	-
Alcohol Research Programs	5U24AA020794	93.273	11,388	-
Alcohol Research Programs	5U01AA020795	93.273	19,497	-
Alcohol Research Programs	R24AA022057	93.273	19,530	-
Alcohol Research Programs	1K24AA031345	93.273	26,213	-
Alcohol Research Programs	1U01AA026962	93.273	42,958	-
Alcohol Research Programs	1F32AA029627-01	93.273	47,223	-
Alcohol Research Programs	1R21AA028886-01A1	93.273	55,540	-
Alcohol Research Programs	5K99AA029454-02	93.273	56,155	-
Alcohol Research Programs	5K99AA029716-02	93.273	57,917	-
Alcohol Research Programs	1R01AA031401	93.273	60,728	-
Alcohol Research Programs	1R21AA030380-01	93.273	68,915	-
Alcohol Research Programs	5P50AA012870-22	93.273	77,035	77,037
Alcohol Research Programs	1R03AA028361	93.273	91,650	-
Alcohol Research Programs	5K01AA025670	93.273	110,197	-
Alcohol Research Programs	P50AA012870	93.273	110,569	-
Alcohol Research Programs	1R21AA031400	93.273	111,058	11,559
Alcohol Research Programs	T32AA028259	93.273	117,467	-
Alcohol Research Programs	K99AA031032	93.273	128,797	-
Alcohol Research Programs	K23AA031334	93.273	131,479	-
Alcohol Research Programs	1K99AA030601	93.273	131,886	-
Alcohol Research Programs	5K23AA026890	93.273	132,056	-
Alcohol Research Programs	1R21AA030649	93.273	135,119	-
Alcohol Research Programs	5K02AA027300	93.273	150,431	-
Alcohol Research Programs	5K01AA027832-03	93.273	150,875	-
Alcohol Research Programs	5R01AA026844-03/3R01AA026844-03S1	93.273	169,396	-
Alcohol Research Programs	R21AA029457	93.273	172,457	-
Alcohol Research Programs	7K08AA030587	93.273	173,036	-
Alcohol Research Programs	1K01AA029706-01A1	93.273	180,834	-
Alcohol Research Programs	5R01AA025605	93.273	194,010	-
Alcohol Research Programs	1K08AA029182	93.273	209,560	-
Alcohol Research Programs	5K23AA028515	93.273	212,367	-
Alcohol Research Programs	1R01AA027553-01	93.273	214,191	20,141

**Yale University**  
**Schedule of Expenditures of Federal Awards**  
**Year Ended June 30, 2024**

Federal Agency/Pass-Through Entity/Program Title	Direct / Pass-Through Number	Federal Assistance		
		Listing Number	Expenditures	Subrecipient Expenditures
I. Research and Development Cluster				
Department of Health & Human Services				
Direct: (Continued)				
Alcohol Research Programs	1R01AG072893	93.273	\$ 235,712	\$ -
Alcohol Research Programs	1R01AA028859	93.273	255,643	-
Alcohol Research Programs	1R01AA029611-01	93.273	263,750	169,646
Alcohol Research Programs	1R01AA026364-01	93.273	279,065	118,806
Alcohol Research Programs	1R01AA025342-02	93.273	332,764	27,750
Alcohol Research Programs	1U54AA027989	93.273	374,927	-
Alcohol Research Programs	1R01AA030136	93.273	413,314	36,142
Alcohol Research Programs	1R01AA029075	93.273	413,844	-
Alcohol Research Programs	R01AA030568	93.273	430,002	-
Alcohol Research Programs	R01AA030528	93.273	513,849	-
Alcohol Research Programs	1R01AA030170	93.273	524,118	50,189
Alcohol Research Programs	R01AA030923	93.273	541,582	-
Alcohol Research Programs	1R01AA030183-01	93.273	555,603	-
Alcohol Research Programs	R01AA025954	93.273	594,473	209,720
Alcohol Research Programs	1R01AA029088	93.273	673,747	226,636
Alcohol Research Programs	5R01AA029137	93.273	674,602	-
Alcohol Research Programs	2R01AA013892	93.273	739,010	-
Alcohol Research Programs	1R01AA029820	93.273	765,175	-
Alcohol Research Programs	1R01AA029113	93.273	839,436	-
Alcohol Research Programs	1R01AA028765	93.273	886,364	-
Alcohol Research Programs	5U54AA027989/3U54AA027989	93.273	1,455,410	-
Alcohol Research Programs	1P01AA029545	93.273	1,541,299	484,526
Alcohol Research Programs	5P50AA012870	93.273	1,680,119	201,334
			18,556,389	1,633,486
Drug Abuse and Addiction Research Programs	5K01DA042937-05	93.279	77	-
Drug Abuse and Addiction Research Programs	1R01DA060066	93.279	688	-
Drug Abuse and Addiction Research Programs	F31DA054762	93.279	1,317	-
Drug Abuse and Addiction Research Programs	5R01DA043337	93.279	2,516	2,516
Drug Abuse and Addiction Research Programs	7R01DA018928	93.279	3,173	-
Drug Abuse and Addiction Research Programs	1K99DA060951	93.279	4,176	-
Drug Abuse and Addiction Research Programs	1F32DA055389	93.279	7,802	-
Drug Abuse and Addiction Research Programs	5P30DA018343-18	93.279	18,678	19,310
Drug Abuse and Addiction Research Programs	F31DA054861-01	93.279	18,855	-
Drug Abuse and Addiction Research Programs	5R21DA050160-02/3R21DA050160-02S1&S2	93.279	22,250	-
Drug Abuse and Addiction Research Programs	1R21DA049583	93.279	22,343	-
Drug Abuse and Addiction Research Programs	1R61DA060625	93.279	23,767	-
Drug Abuse and Addiction Research Programs	1R01DA059378	93.279	28,194	-
Drug Abuse and Addiction Research Programs	1F30DA059437	93.279	33,030	-
Drug Abuse and Addiction Research Programs	5R01DA029910	93.279	33,406	-
Drug Abuse and Addiction Research Programs	F31DA059253	93.279	35,360	-
Drug Abuse and Addiction Research Programs	1R36DA058877	93.279	39,702	-
Drug Abuse and Addiction Research Programs	F31DA059248	93.279	41,354	-
Drug Abuse and Addiction Research Programs	2R01DA029910	93.279	43,471	-
Drug Abuse and Addiction Research Programs	1R03DA054453-01A1	93.279	56,266	-
Drug Abuse and Addiction Research Programs	RDA052790A	93.279	57,608	20,331
Drug Abuse and Addiction Research Programs	5R01DA041480	93.279	59,020	-
Drug Abuse and Addiction Research Programs	5R25DA043870	93.279	66,793	-
Drug Abuse and Addiction Research Programs	1K01DA047194	93.279	92,372	10,000
Drug Abuse and Addiction Research Programs	5P30DA018343	93.279	103,457	-
Drug Abuse and Addiction Research Programs	5U01DA051977	93.279	105,635	88,939
Drug Abuse and Addiction Research Programs	5K01DA046561	93.279	117,591	-
Drug Abuse and Addiction Research Programs	1K01DA045738	93.279	119,732	-

The accompanying notes are an integral part of this schedule

**Yale University**  
**Schedule of Expenditures of Federal Awards**  
**Year Ended June 30, 2024**

<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<b>Federal Assistance Listing</b>	<b>Expenditures</b>	<b>Subrecipient Expenditures</b>
<b>I. Research and Development Cluster</b>				
<b>Department of Health &amp; Human Services</b>				
<b>Direct: (Continued)</b>				
Drug Abuse and Addiction Research Programs	1R21DA057240	93.279	\$ 128,059	\$ -
Drug Abuse and Addiction Research Programs	1R21DA047902	93.279	128,671	84,876
Drug Abuse and Addiction Research Programs	5R01DA038709-02	93.279	138,449	-
Drug Abuse and Addiction Research Programs	1K99DA057487	93.279	140,338	-
Drug Abuse and Addiction Research Programs	2K12DA033312	93.279	144,732	133,268
Drug Abuse and Addiction Research Programs	1R61DA059895	93.279	147,388	12,175
Drug Abuse and Addiction Research Programs	1R01DA058862	93.279	149,017	-
Drug Abuse and Addiction Research Programs	1R21DA054491-01	93.279	161,679	-
Drug Abuse and Addiction Research Programs	1R01DA047789	93.279	164,491	85,790
Drug Abuse and Addiction Research Programs	1K23DA045957	93.279	175,455	-
Drug Abuse and Addiction Research Programs	K01DA056854	93.279	178,527	-
Drug Abuse and Addiction Research Programs	1R01DA052846-01	93.279	184,557	46,629
Drug Abuse and Addiction Research Programs	1R21DA052620-01A1	93.279	196,346	-
Drug Abuse and Addiction Research Programs	5K23DA052682	93.279	212,310	-
Drug Abuse and Addiction Research Programs	R21DA057592	93.279	215,633	8,661
Drug Abuse and Addiction Research Programs	2T32DA007238	93.279	226,843	-
Drug Abuse and Addiction Research Programs	1R01DA058005	93.279	239,195	145,102
Drug Abuse and Addiction Research Programs	R21DA057540	93.279	252,046	64,801
Drug Abuse and Addiction Research Programs	K08DA051667	93.279	252,886	-
Drug Abuse and Addiction Research Programs	1R21DA052864-01A1	93.279	266,717	-
Drug Abuse and Addiction Research Programs	DP1DA058737	93.279	269,955	28,130
Drug Abuse and Addiction Research Programs	1DP2DA049282-01	93.279	287,000	-
Drug Abuse and Addiction Research Programs	1R01DA052385	93.279	287,070	-
Drug Abuse and Addiction Research Programs	1R01DA047063	93.279	294,164	110,174
Drug Abuse and Addiction Research Programs	4R33DA047037	93.279	306,245	-
COVID-19 Drug Abuse and Addiction Research Programs	1R01DA053301	93.279	324,518	30,193
Drug Abuse and Addiction Research Programs	R61DA059169	93.279	329,418	103,274
Drug Abuse and Addiction Research Programs	7RF1DA056377	93.279	344,909	-
Drug Abuse and Addiction Research Programs	5R37DA014241	93.279	361,995	-
Drug Abuse and Addiction Research Programs	1R61DA053592	93.279	371,987	-
Drug Abuse and Addiction Research Programs	R33DA059884	93.279	373,811	-
Drug Abuse and Addiction Research Programs	5R01DA041271	93.279	380,958	170,334
Drug Abuse and Addiction Research Programs	1U24DA058673	93.279	383,731	149,029
Drug Abuse and Addiction Research Programs	1R01DA043125	93.279	392,448	118,696
Drug Abuse and Addiction Research Programs	K12DA033312	93.279	433,480	135,909
Drug Abuse and Addiction Research Programs	5U01DA041174	93.279	444,561	-
Drug Abuse and Addiction Research Programs	4UH3DA050251	93.279	445,149	-
Drug Abuse and Addiction Research Programs	T32DA022975	93.279	448,151	-
Drug Abuse and Addiction Research Programs	5R01DA043443	93.279	462,671	34,927
Drug Abuse and Addiction Research Programs	2R01DA033679	93.279	466,382	161,970
Drug Abuse and Addiction Research Programs	5R01DA047820	93.279	487,528	98,813
Drug Abuse and Addiction Research Programs	5U01DA051639	93.279	489,561	-
Drug Abuse and Addiction Research Programs	R01DA060636	93.279	493,606	26,801

**Yale University**  
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<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<u>Federal Assistance Listing Number</u>	<u>Expenditures</u>	<u>Subrecipient Expenditures</u>
I. Research and Development Cluster				
Department of Health & Human Services				
Direct: (Continued)				
Drug Abuse and Addiction Research Programs	1R01DA057789	93.279	\$ 494,156	\$ 116,496
Drug Abuse and Addiction Research Programs	1U01DA053628	93.279	495,801	-
Drug Abuse and Addiction Research Programs	1DP1DA058982	93.279	498,782	-
Drug Abuse and Addiction Research Programs	1R01DA050454	93.279	504,668	29,963
Drug Abuse and Addiction Research Programs	DP2DA056169	93.279	507,754	-
Drug Abuse and Addiction Research Programs	1R01DA054851	93.279	510,537	270,749
Drug Abuse and Addiction Research Programs	2T32DA019426-17	93.279	526,568	-
Drug Abuse and Addiction Research Programs	UG1DA050072	93.279	540,778	450,610
Drug Abuse and Addiction Research Programs	1R01DA057672	93.279	577,592	225,739
Drug Abuse and Addiction Research Programs	1R01DA051906	93.279	601,375	-
Drug Abuse and Addiction Research Programs	2R01DA037974	93.279	602,310	201,607
Drug Abuse and Addiction Research Programs	2K12DA000167-31	93.279	610,294	59,027
Drug Abuse and Addiction Research Programs	4R33DA047527	93.279	644,817	113,668
Drug Abuse and Addiction Research Programs	4UH3DA050322-02	93.279	645,209	-
Drug Abuse and Addiction Research Programs	1R01DA047986-01A1	93.279	705,346	-
Drug Abuse and Addiction Research Programs	1RM1DA055310	93.279	739,751	504,379
Drug Abuse and Addiction Research Programs	4UH3DA047003	93.279	750,523	214,582
Drug Abuse and Addiction Research Programs	R01DA054314	93.279	761,099	-
Drug Abuse and Addiction Research Programs	1R61DA057675	93.279	782,661	406,702
Drug Abuse and Addiction Research Programs	1R01DA057342	93.279	810,202	308,260
Drug Abuse and Addiction Research Programs	U01DA051977	93.279	828,069	125,690
Drug Abuse and Addiction Research Programs	5R37DA023999	93.279	860,413	-
Drug Abuse and Addiction Research Programs	1R01DA052454-01A1	93.279	873,727	-
Drug Abuse and Addiction Research Programs	1R01DA054703	93.279	906,456	435,293
Drug Abuse and Addiction Research Programs	R01DA045465	93.279	1,004,435	8,356
Drug Abuse and Addiction Research Programs	1R01DA051871	93.279	1,032,966	356,861
Drug Abuse and Addiction Research Programs	UG1DA015831	93.279	1,076,572	185,561
Drug Abuse and Addiction Research Programs	5U01DA041174	93.279	1,227,891	37,723
Drug Abuse and Addiction Research Programs	1U01DA053628-01	93.279	1,350,446	130,991
Drug Abuse and Addiction Research Programs	5P30DA018343	93.279	1,588,066	24,729
Drug Abuse and Addiction Research Programs	1DP1DA056106	93.279	1,821,214	-
Drug Abuse and Addiction Research Programs	UM1DA051410	93.279	1,919,035	-
Drug Abuse and Addiction Research Programs	5UG1DA050072	93.279	2,075,245	1,075,661
Drug Abuse and Addiction Research Programs	RM1DA055310	93.279	2,497,541	677,462
Drug Abuse and Addiction Research Programs	1U01DA053039	93.279	3,274,453	1,514,532
Drug Abuse and Addiction Research Programs	5UG1DA015831	93.279	9,738,397	7,903,933
			58,126,419	17,269,222
Discovery and Applied Research for Technological Innovations to Improve Human Health	R03EB031123	93.286	726	-
Discovery and Applied Research for Technological Innovations to Improve Human Health	1R01EB022030	93.286	1,865	-
Discovery and Applied Research for Technological Innovations to Improve Human Health	1R21EB034911	93.286	6,020	-
Discovery and Applied Research for Technological Innovations to Improve Human Health	1R01EB035093	93.286	14,006	-
Discovery and Applied Research for Technological Innovations to Improve Human Health	7K01EB030045	93.286	16,347	-
Discovery and Applied Research for Technological Innovations to Improve Human Health	7R13EB035035	93.286	16,750	-
Discovery and Applied Research for Technological Innovations to Improve Human Health	1R25EB030985	93.286	49,040	-
Discovery and Applied Research for Technological Innovations to Improve Human Health	R21EB028954	93.286	67,479	-
Discovery and Applied Research for Technological Innovations to Improve Human Health	1R01EB025840	93.286	70,910	-

**Yale University**  
**Schedule of Expenditures of Federal Awards**  
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Federal Agency/Pass-Through Entity/Program Title	Direct / Pass-Through Number	Federal Assistance Listing	Expenditures	Subrecipient Expenditures
		Number		
I. Research and Development Cluster				
Department of Health & Human Services				
Direct: (Continued)				
Discovery and Applied Research for Technological Innovations to Improve Human Health	R21EB026759	93.286	\$ 98,287	\$ -
Discovery and Applied Research for Technological Innovations to Improve Human Health	1R21EB029607-01A1	93.286	109,992	-
Discovery and Applied Research for Technological Innovations to Improve Human Health	R01EB033582	93.286	140,374	-
Discovery and Applied Research for Technological Innovations to Improve Human Health	1R21EB033911	93.286	150,238	-
Discovery and Applied Research for Technological Innovations to Improve Human Health	4R00EB032217	93.286	175,591	-
Discovery and Applied Research for Technological Innovations to Improve Human Health	1R21EB032950	93.286	185,272	-
Discovery and Applied Research for Technological Innovations to Improve Human Health	7U01EB027003	93.286	227,131	-
Discovery and Applied Research for Technological Innovations to Improve Human Health	R01EB025468	93.286	253,295	-
Discovery and Applied Research for Technological Innovations to Improve Human Health	1R01EB032791-01A1	93.286	303,703	-
Discovery and Applied Research for Technological Innovations to Improve Human Health	1R01EB033917	93.286	355,019	-
Discovery and Applied Research for Technological Innovations to Improve Human Health	R01EB034720	93.286	397,396	-
Discovery and Applied Research for Technological Innovations to Improve Human Health	1R01EB032658	93.286	424,951	78,782
Discovery and Applied Research for Technological Innovations to Improve Human Health	7P41EB022544	93.286	584,421	-
Discovery and Applied Research for Technological Innovations to Improve Human Health	1R01EB033764	93.286	585,826	-
Discovery and Applied Research for Technological Innovations to Improve Human Health	U01EB029811	93.286	672,893	303,166
Discovery and Applied Research for Technological Innovations to Improve Human Health	R01EB031114	93.286	819,653	567,057
Discovery and Applied Research for Technological Innovations to Improve Human Health	U01EB029811	93.286	1,433,592	415,651
			7,160,777	1,364,656
Minority Health and Health Disparities Research	R01MD015974	93.307	(34)	-
Minority Health and Health Disparities Research	1R21MD012697	93.307	3,526	-
Minority Health and Health Disparities Research	1F30MD018941	93.307	26,401	-
Minority Health and Health Disparities Research	1F31MD017129	93.307	29,463	-
Minority Health and Health Disparities Research	5K01MD016166-03	93.307	50,331	-
Minority Health and Health Disparities Research	R21MD013481	93.307	91,234	85,103
Minority Health and Health Disparities Research	R01MD018984	93.307	154,460	9,743
Minority Health and Health Disparities Research	1R21MD017327	93.307	186,601	49,532
Minority Health and Health Disparities Research	1R01MD012769	93.307	207,587	45,385
Minority Health and Health Disparities Research	R21MD016949	93.307	219,567	40,323
Minority Health and Health Disparities Research	R01MD017748	93.307	224,947	67,252
Minority Health and Health Disparities Research	1R01MD018502	93.307	265,600	105,847
Minority Health and Health Disparities Research	7R01MD015974	93.307	297,583	-
Minority Health and Health Disparities Research	1R01MD016386	93.307	373,105	302,828
Minority Health and Health Disparities Research	1R01MD017569	93.307	460,197	74,002
Minority Health and Health Disparities Research	1R01MD018928	93.307	494,534	-
Minority Health and Health Disparities Research	1R01MD018255	93.307	520,134	-
Minority Health and Health Disparities Research	1R01MD016853	93.307	662,551	393,113
Minority Health and Health Disparities Research	1R01MD017526	93.307	737,704	405,019
Minority Health and Health Disparities Research	1R01MD017298-01	93.307	774,808	-
Minority Health and Health Disparities Research	R01MD014853	93.307	783,914	325,202
Minority Health and Health Disparities Research	1R01MD016054	93.307	885,071	128,035
			7,449,284	2,031,384
Trans-NIH Research Support	UG3NS115597	93.310	(55,005)	-
Trans-NIH Research Support	1UG3HL147352	93.310	(404)	-
Trans-NIH Research Support	1DP5OD023088	93.310	(79)	-
COVID-19 Trans-NIH Research Support	3U54MD010711-05S1	93.310	-	236,951
Trans-NIH Research Support	1R03OD032623	93.310	8,683	-
Trans-NIH Research Support	1UG3CA257393	93.310	48,780	-
Trans-NIH Research Support	UH3NS115597	93.310	50,035	-
Trans-NIH Research Support	5U01DA060441	93.310	64,948	-
Trans-NIH Research Support	7DP5OD024566	93.310	104,002	-
Trans-NIH Research Support	5U54HG012510	93.310	146,285	-
Trans-NIH Research Support	1U54AG079759	93.310	250,924	-
Trans-NIH Research Support	U54AG076043	93.310	283,848	-
Trans-NIH Research Support	1U01OD033241-01/3U01OD033241-01S1	93.310	307,832	188,066
Trans-NIH Research Support	1DP2CA248136-01	93.310	349,862	-
Trans-NIH Research Support	1DP5OD036128	93.310	352,654	-

The accompanying notes are an integral part of this schedule

**Yale University**  
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<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<u>Federal Assistance Listing Number</u>	<u>Expenditures</u>	<u>Subrecipient Expenditures</u>
I. Research and Development Cluster				
Department of Health & Human Services				
Direct: (Continued)				
Trans-NIH Research Support	7DP5OD029574	93.310	\$ 359,820	\$ -
Trans-NIH Research Support	7U54HG012510	93.310	367,838	364,712
Trans-NIH Research Support	1DP2AI176740	93.310	373,292	-
COVID-19 Trans-NIH Research Support	3U54MD010711	93.310	441,343	386,759
COVID-19 Trans-NIH Research Support	3UG1DA050072	93.310	442,925	416,506
Trans-NIH Research Support	UG3CA257393	93.310	565,092	-
Trans-NIH Research Support	1DP2GM146253-01	93.310	589,713	-
Trans-NIH Research Support	7DP5OD029636	93.310	599,365	-
Trans-NIH Research Support	1U01CA260701	93.310	636,012	-
Trans-NIH Research Support	5UH3HL147352	93.310	721,614	-
Trans-NIH Research Support	1DP2CA280625-01	93.310	742,245	-
Trans-NIH Research Support	8U01DA060441	93.310	768,219	30,170
Trans-NIH Research Support	7DP2AT011327-02	93.310	930,990	-
Trans-NIH Research Support	R01AI145057	93.310	943,998	667,143
Trans-NIH Research Support	5DP1DA050986-04	93.310	1,193,226	-
Trans-NIH Research Support	U24LM013755	93.310	1,396,387	599,576
Trans-NIH Research Support	U54AG079759	93.310	1,396,816	-
Trans-NIH Research Support	U54AG076043	93.310	1,472,127	-
Trans-NIH Research Support	1UG3TR004713	93.310	1,641,185	-
Trans-NIH Research Support	5U54HG012510	93.310	2,182,259	1,159,993
Trans-NIH Research Support	7U24LM013755	93.310	5,403,207	3,489,628
			25,080,038	7,539,504
Dietary Supplement Research Program	F30HD106694	93.321	(201)	-
			(201)	-
National Center for Advancing Translational Sciences	KL2TR001862	93.350	255	-
National Center for Advancing Translational Sciences	TL1TR001864	93.350	9,448	-
National Center for Advancing Translational Sciences	5TL1TR001864	93.350	48,383	-
National Center for Advancing Translational Sciences	5KL2TR001862	93.350	80,891	-
National Center for Advancing Translational Sciences	1U01TR002763	93.350	641,380	382,699
National Center for Advancing Translational Sciences	5UL1TR001863	93.350	695,982	-
National Center for Advancing Translational Sciences	5TL1TR001864	93.350	838,108	-
National Center for Advancing Translational Sciences	5KL2TR001862	93.350	1,210,114	-
National Center for Advancing Translational Sciences	5UL1TR001863	93.350	9,623,598	-
			13,148,159	382,699
Research Infrastructure Programs	1S10OD030493	93.351	60,000	-
Research Infrastructure Programs	1S10OD034366-01	93.351	264,000	-
Research Infrastructure Programs	1S10OD034234	93.351	300,000	-
Research Infrastructure Programs	R24OD033731	93.351	400,000	-
Research Infrastructure Programs	1S10OD032277	93.351	1,333,243	-
			2,357,243	-
21st Century Cures Act - Beau Biden Cancer Moonshot	U01CA233096	93.353	544,096	136,686
21st Century Cures Act - Beau Biden Cancer Moonshot	U2CCA252979	93.353	804,759	573,381
21st Century Cures Act - Beau Biden Cancer Moonshot	U2CCA252979	93.353	1,618,248	677,561
			2,967,103	1,387,628
Nursing Research	1F31NR019934-01	93.361	(1,742)	-
Nursing Research	5R01NR016191-05/3R01NR016191-05S1	93.361	(1)	-
Nursing Research	R01NR019009	93.361	77,454	79,371

The accompanying notes are an integral part of this schedule

**Yale University**  
**Schedule of Expenditures of Federal Awards**  
**Year Ended June 30, 2024**

<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<b>Federal Assistance Listing Number</b>	<b>Expenditures</b>	<b>Subrecipient Expenditures</b>
<b>I. Research and Development Cluster</b>				
<b>Department of Health &amp; Human Services</b>				
<b>Direct: (Continued)</b>				
Nursing Research	1R01NR018335	93.361	\$ 485,106	\$ 146,918
Nursing Research	1R01NR020748	93.361	627,287	263,871
COVID-19 Nursing Research	1R01NR020855	93.361	704,395	71,416
			1,892,499	561,576
Cancer Cause and Prevention Research	5R01CA202816-02	93.393	(45)	-
Cancer Cause and Prevention Research	1R01CA215990	93.393	(6)	-
Cancer Cause and Prevention Research	K07CA230234	93.393	339	-
Cancer Cause and Prevention Research	R37CA230580-03	93.393	503	-
Cancer Cause and Prevention Research	1R01CA292936	93.393	20,728	-
Cancer Cause and Prevention Research	R21CA238066	93.393	25,136	-
Cancer Cause and Prevention Research	1R21CA252916-01A1	93.393	42,250	-
Cancer Cause and Prevention Research	1R01CA215453	93.393	43,049	46,720
Cancer Cause and Prevention Research	1R01CA206483	93.393	50,416	50,416
Cancer Cause and Prevention Research	4K00CA264404-03	93.393	70,585	-
Cancer Cause and Prevention Research	1R21CA280372	93.393	70,664	-
Cancer Cause and Prevention Research	7R21CA256575	93.393	71,588	-
Cancer Cause and Prevention Research	5R01CA214703	93.393	79,480	-
Cancer Cause and Prevention Research	R03CA252808	93.393	81,970	-
Cancer Cause and Prevention Research	K00CA245722	93.393	101,302	-
Cancer Cause and Prevention Research	1R03CA270656	93.393	135,599	-
Cancer Cause and Prevention Research	1R01CA280359	93.393	186,908	-
Cancer Cause and Prevention Research	1R21CA267900	93.393	192,378	89,866
Cancer Cause and Prevention Research	2R01CA204120	93.393	309,764	-
Cancer Cause and Prevention Research	1R01CA281959	93.393	326,549	-
Cancer Cause and Prevention Research	R01CA224140	93.393	351,848	31,661
Cancer Cause and Prevention Research	1R01CA245313	93.393	385,957	-
Cancer Cause and Prevention Research	3R01CA270788-02S1	93.393	404,756	-
Cancer Cause and Prevention Research	1R01CA238570	93.393	456,830	-
Cancer Cause and Prevention Research	1R01CA262286-01A1	93.393	507,925	-
Cancer Cause and Prevention Research	4R37CA230580	93.393	520,313	-
Cancer Cause and Prevention Research	R01CA258269	93.393	573,103	211,117
Cancer Cause and Prevention Research	R01CA24391	93.393	637,317	290,989
Cancer Cause and Prevention Research	R01CA276666	93.393	687,114	113,183
Cancer Cause and Prevention Research	5R01CA244660	93.393	697,157	435,570
Cancer Cause and Prevention Research	2R01CA215553	93.393	707,016	220,030
Cancer Cause and Prevention Research	1R01CA266604	93.393	1,025,603	-
			8,764,096	1,489,552
Cancer Detection and Diagnosis Research	R21CA252587	93.394	6,196	-
Cancer Detection and Diagnosis Research	1R03CA276790	93.394	24,141	-
Cancer Detection and Diagnosis Research	1R01CA290745	93.394	59,577	-
Cancer Detection and Diagnosis Research	1U01CA271278	93.394	68,304	-
Cancer Detection and Diagnosis Research	R21CA256380	93.394	102,918	-
Cancer Detection and Diagnosis Research	1R03CA267438	93.394	114,677	-
Cancer Detection and Diagnosis Research	R01CA165221	93.394	161,333	-
Cancer Detection and Diagnosis Research	1R21CA274152	93.394	175,634	-

The accompanying notes are an integral part of this schedule

**Yale University**  
**Schedule of Expenditures of Federal Awards**  
**Year Ended June 30, 2024**

<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<u>Federal Assistance Listing Number</u>	<u>Expenditures</u>	<u>Subrecipient Expenditures</u>
I. Research and Development Cluster				
Department of Health & Human Services				
Direct: (Continued)				
Cancer Detection and Diagnosis Research	1R21CA259964	93.394	\$ 185,830	\$ -
COVID-19 Cancer Detection and Diagnosis Research	U01CA260507	93.394	237,916	-
Cancer Detection and Diagnosis Research	1R33CA281702	93.394	297,424	-
Cancer Detection and Diagnosis Research	R01CA275188	93.394	502,434	164,920
Cancer Detection and Diagnosis Research	1R01CA280871	93.394	506,228	-
Cancer Detection and Diagnosis Research	R37CA245154	93.394	516,788	-
COVID-19 Cancer Detection and Diagnosis Research	U01CA260507	93.394	546,424	-
Cancer Detection and Diagnosis Research	2R01CA206180-06A1	93.394	613,591	60,307
Cancer Detection and Diagnosis Research	R01CA264851	93.394	634,631	-
Cancer Detection and Diagnosis Research	1R01CA269349	93.394	641,765	321,300
Cancer Detection and Diagnosis Research	U01CA233364	93.394	653,671	266,352
Cancer Detection and Diagnosis Research	1U01CA271278	93.394	1,239,727	673,577
			7,289,209	1,486,456
Cancer Treatment Research	P50CA121974	93.395	(3,178)	-
Cancer Treatment Research	1R01CA215553	93.395	103	-
Cancer Treatment Research	1R21CA286364	93.395	44,037	4,789
Cancer Treatment Research	1R01CA278212	93.395	53,717	-
Cancer Treatment Research	1R21CA263437-01	93.395	81,968	-
Cancer Treatment Research	1R37CA279834	93.395	126,462	-
Cancer Treatment Research	R21CA275978	93.395	159,829	-
Cancer Treatment Research	R01CA218501	93.395	185,094	-
Cancer Treatment Research	1R21CA278934	93.395	189,932	-
Cancer Treatment Research	1R21CA282629	93.395	189,933	-
Cancer Treatment Research	5UM1CA186689	93.395	211,189	-
Cancer Treatment Research	R01CA258867	93.395	364,822	-
Cancer Treatment Research	7R01CA237652	93.395	464,958	-
Cancer Treatment Research	R01CA269286	93.395	477,445	-
Cancer Treatment Research	1R37CA279822	93.395	558,507	113,105
Cancer Treatment Research	R01CA256530-01A1	93.395	568,527	64,972
Cancer Treatment Research	P50CA121974	93.395	573,581	7,076
Cancer Treatment Research	R01CA282877	93.395	601,238	-
Cancer Treatment Research	R01CA276186	93.395	601,253	-
Cancer Treatment Research	7P01CA240239	93.395	654,325	537,244
Cancer Treatment Research	4R01CA222518	93.395	766,260	-
Cancer Treatment Research	2R35CA197589-8	93.395	906,187	-
Cancer Treatment Research	1R01CA266757	93.395	913,948	5,025
Cancer Treatment Research	1R35CA197574	93.395	992,336	-
Cancer Treatment Research	1UG1CA233337	93.395	993,295	-
Cancer Treatment Research	4UM1CA186689	93.395	1,431,296	832,951
			12,107,064	1,565,162
Cancer Biology Research	1R01CA212376	93.396	(55)	-
Cancer Biology Research	1U01CA238728	93.396	-	24,269
Cancer Biology Research	R00CA226342	93.396	10,111	10,111
Cancer Biology Research	1F31CA281173	93.396	19,898	-
Cancer Biology Research	1R37CA285640	93.396	67,732	-
Cancer Biology Research	2R35CA197628-07	93.396	73,065	-
Cancer Biology Research	R33CA251037-01	93.396	98,331	-
Cancer Biology Research	1R50CA265359	93.396	158,885	-
Cancer Biology Research	1R01CA227473	93.396	171,793	138,463
Cancer Biology Research	R01CA237586	93.396	203,675	-
Cancer Biology Research	1R01CA230444-01	93.396	238,132	3,449

**Yale University**  
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**Year Ended June 30, 2024**

<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<u>Federal Assistance Listing Number</u>	<u>Expenditures</u>	<u>Subrecipient Expenditures</u>
I. Research and Development Cluster				
Department of Health & Human Services				
Direct: (Continued)				
Cancer Biology Research	7R01CA237208	93.396	\$ 244,142	\$ -
Cancer Biology Research	1R01CA248532-01A1	93.396	315,501	-
Cancer Biology Research	1R37CA258261	93.396	323,451	-
Cancer Biology Research	2R01CA198164	93.396	356,572	-
Cancer Biology Research	R01CA166376	93.396	379,961	-
Cancer Biology Research	1R01CA274355-01	93.396	404,851	136,114
Cancer Biology Research	2R01CA157644	93.396	408,072	-
Cancer Biology Research	R01CA240602	93.396	424,165	7,969
Cancer Biology Research	1R01CA237037	93.396	453,088	-
Cancer Biology Research	1R01CA269779	93.396	460,792	27,700
Cancer Biology Research	1R01CA230275	93.396	505,566	229,235
Cancer Biology Research	1R01CA262377	93.396	510,009	-
Cancer Biology Research	1U01CA238728	93.396	533,756	115,316
Cancer Biology Research	1R01CA248166	93.396	554,414	225,975
Cancer Biology Research	1U01CA235747	93.396	581,699	-
Cancer Biology Research	R01CA276108	93.396	591,339	19,069
Cancer Biology Research	R01CA274735	93.396	598,215	-
Cancer Biology Research	5R01CA263715	93.396	666,354	218,633
Cancer Biology Research	R01CA259386	93.396	752,493	-
Cancer Biology Research	2R35CA197628	93.396	984,900	-
Cancer Biology Research	R35CA242462	93.396	1,002,502	-
			12,093,409	1,156,303
Cancer Centers Support Grants	5P30CA016359	93.397	(3,505)	-
Cancer Centers Support Grants	5P50CA196530-02	93.397	(166)	-
Cancer Centers Support Grants	5P50DE030707	93.397	167,201	156,134
Cancer Centers Support Grants	5P50CA196530	93.397	299,124	-
Cancer Centers Support Grants	5P30CA016359	93.397	502,661	-
Cancer Centers Support Grants	2P50CA121974	93.397	1,088,644	-
Cancer Centers Support Grants	5P50CA196530	93.397	1,905,813	-
Cancer Centers Support Grants	5P50DE030707	93.397	2,319,241	380,891
Cancer Centers Support Grants	3P30CA016359	93.397	4,527,604	-
			10,806,617	537,025
Cancer Research Manpower	K12CA215110	93.398	102	-
Cancer Research Manpower	F30CA254158	93.398	636	-
Cancer Research Manpower	F31CA247018	93.398	1,141	-
Cancer Research Manpower	F31CA257288	93.398	3,810	-
Cancer Research Manpower	1F31CA254339-01	93.398	4,392	-
Cancer Research Manpower	1F30CA287869	93.398	4,614	-
Cancer Research Manpower	1F99CA264425	93.398	5,890	-
Cancer Research Manpower	1K08CA204732	93.398	18,299	-
Cancer Research Manpower	F31CA260794	93.398	20,023	-
Cancer Research Manpower	1F31CA261129-01	93.398	22,579	-
Cancer Research Manpower	F30CA254246	93.398	25,088	-
Cancer Research Manpower	KABECHE	93.398	27,266	-
Cancer Research Manpower	1 F31 CA261126-01	93.398	31,520	-
Cancer Research Manpower	1F31CA275096	93.398	32,772	-
Cancer Research Manpower	F31CA265173	93.398	32,969	-
Cancer Research Manpower	1F31CA281335	93.398	33,501	-
Cancer Research Manpower	F31CA265150	93.398	33,815	-
Cancer Research Manpower	1F31CA268845	93.398	34,441	-
Cancer Research Manpower	1F31CA268894	93.398	35,364	-
Cancer Research Manpower	K99CA282989	93.398	35,760	-
Cancer Research Manpower	1F31CA278383	93.398	41,231	-

**Yale University**  
**Schedule of Expenditures of Federal Awards**  
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<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<u>Federal Assistance Listing Number</u>	<u>Expenditures</u>	<u>Subrecipient Expenditures</u>
I. Research and Development Cluster				
Department of Health & Human Services				
Direct: (Continued)				
Cancer Research Manpower	F31CA278423	93.398	\$ 41,623	\$ -
Cancer Research Manpower	F31CA278265	93.398	42,117	-
Cancer Research Manpower	F30CA254123	93.398	42,268	-
Cancer Research Manpower	1F31CA278331	93.398	42,442	-
Cancer Research Manpower	1F31CA271571	93.398	44,811	-
Cancer Research Manpower	1F31CA254426	93.398	61,428	-
Cancer Research Manpower	F32CA265041	93.398	67,407	-
Cancer Research Manpower	5T32CA193200	93.398	102,517	-
Cancer Research Manpower	K08CA245211	93.398	111,726	-
Cancer Research Manpower	1K08CA282972	93.398	115,148	-
Cancer Research Manpower	1K08CA277003	93.398	142,189	-
Cancer Research Manpower	1K08CA237872	93.398	148,313	-
Cancer Research Manpower	5R25CA203650	93.398	163,368	74,999
Cancer Research Manpower	2R25CA203650	93.398	229,464	25,920
Cancer Research Manpower	T32CA250803	93.398	234,982	-
Cancer Research Manpower	1K08CA255465	93.398	241,388	-
Cancer Research Manpower	K08CA237856	93.398	247,362	-
Cancer Research Manpower	K08CA245112	93.398	252,702	-
Cancer Research Manpower	1K08CA248725	93.398	256,745	-
Cancer Research Manpower	K08CA259222	93.398	294,476	-
Cancer Research Manpower	K08CA258796	93.398	294,487	-
Cancer Research Manpower	1K08CA270191	93.398	305,428	-
Cancer Research Manpower	T32CA193200	93.398	320,754	-
Cancer Research Manpower	T32CA233414	93.398	364,579	-
Cancer Research Manpower	2K12CA215110	93.398	472,150	-
			5,085,087	100,919
ACL National Institute on Disability, Independent Living, and Rehabilitation Research	90AREM0007	93.433	605	-
ACL National Institute on Disability, Independent Living, and Rehabilitation Research	90AREM0002	93.433	2,662	-
ACL National Institute on Disability, Independent Living, and Rehabilitation Research	90AREM0002-04-01	93.433	19,807	-
ACL National Institute on Disability, Independent Living, and Rehabilitation Research	90AREM0002-05	93.433	127,259	-
			150,333	-
Cardiovascular Diseases Research	R01HL138357	93.837	(593)	-
Cardiovascular Diseases Research	5R01HL128973-04	93.837	(2)	-
Cardiovascular Diseases Research	1F31HL149246-01	93.837	4,220	-
Cardiovascular Diseases Research	7R01HL145293	93.837	8,096	-
Cardiovascular Diseases Research	F30HL156469	93.837	8,385	-
Cardiovascular Diseases Research	1F31HL162505	93.837	14,213	-
Cardiovascular Diseases Research	1R01HL167858	93.837	15,423	-
Cardiovascular Diseases Research	1R13HL168972	93.837	20,000	-
Cardiovascular Diseases Research	1K99HL171838	93.837	24,702	-
Cardiovascular Diseases Research	1F30HL170584	93.837	25,592	-
Cardiovascular Diseases Research	1R01HL169868	93.837	28,238	-
Cardiovascular Diseases Research	F31HL158091	93.837	29,122	-
Cardiovascular Diseases Research	1R01HL171480	93.837	32,141	-
Cardiovascular Diseases Research	F31HL165968	93.837	32,185	-
Cardiovascular Diseases Research	F31HL156319	93.837	33,048	-
Cardiovascular Diseases Research	1F30HL164007	93.837	33,523	-
Cardiovascular Diseases Research	F31HL167578	93.837	34,540	-
Cardiovascular Diseases Research	R01HL144476	93.837	36,288	-
Cardiovascular Diseases Research	F30HL158154	93.837	47,434	-
Cardiovascular Diseases Research	1U01HL142518	93.837	48,693	1,854
Cardiovascular Diseases Research	F32HL170592	93.837	49,924	-
Cardiovascular Diseases Research	1R01HL137696	93.837	66,208	2,182
Cardiovascular Diseases Research	R01HL144706	93.837	71,018	-
Cardiovascular Diseases Research	1K23HL168233	93.837	75,630	-

The accompanying notes are an integral part of this schedule

**Yale University**  
**Schedule of Expenditures of Federal Awards**  
**Year Ended June 30, 2024**

<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<u>Federal Assistance Listing Number</u>	<u>Expenditures</u>	<u>Subrecipient Expenditures</u>
I. Research and Development Cluster				
Department of Health & Human Services				
Direct: (Continued)				
Cardiovascular Diseases Research	1R01HL146723	93.837	\$ 76,789	\$ -
Cardiovascular Diseases Research	4R00HL161321	93.837	91,189	-
Cardiovascular Diseases Research	1R01HL169238	93.837	95,409	-
Cardiovascular Diseases Research	1R56HL161652-01A1	93.837	102,643	-
Cardiovascular Diseases Research	1K08HL136898	93.837	103,102	-
Cardiovascular Diseases Research	K01HL164760	93.837	103,490	-
Cardiovascular Diseases Research	1R21HL161691	93.837	119,297	-
Cardiovascular Diseases Research	1R01HL167936	93.837	136,146	-
Cardiovascular Diseases Research	1R01HL146101	93.837	140,614	-
Cardiovascular Diseases Research	1K08HL157727-01A1	93.837	146,969	-
Cardiovascular Diseases Research	K08HL155888	93.837	151,176	-
Cardiovascular Diseases Research	K23HL153775-01A1	93.837	160,180	-
Cardiovascular Diseases Research	1R21HL165147-01	93.837	163,668	-
Cardiovascular Diseases Research	1K23HL161424-01A1	93.837	173,394	-
Cardiovascular Diseases Research	1R01HL149343-01	93.837	173,622	-
Cardiovascular Diseases Research	2R01HL124402	93.837	175,769	-
Cardiovascular Diseases Research	1R01HL170949	93.837	189,340	-
Cardiovascular Diseases Research	R01HL148819	93.837	205,327	-
Cardiovascular Diseases Research	1R01HL141137	93.837	205,815	-
Cardiovascular Diseases Research	K01HL145347	93.837	216,805	-
Cardiovascular Diseases Research	1R21HL165342	93.837	219,112	-
Cardiovascular Diseases Research	1R01HL141852	93.837	225,408	-
Cardiovascular Diseases Research	7R01HL145293	93.838	228,759	248,186
Cardiovascular Diseases Research	1R01HL171054-01	93.837	242,757	-
Cardiovascular Diseases Research	1R010HL171984	93.837	243,284	-
Cardiovascular Diseases Research	1R01HL148354	93.837	249,925	11,180
Cardiovascular Diseases Research	1R01HL139629	93.837	265,991	-
Cardiovascular Diseases Research	R01HL121226	93.837	273,590	34,208
Cardiovascular Diseases Research	R01HL150449	93.837	277,200	-
Cardiovascular Diseases Research	R01HL149344-01A1	93.837	314,182	-
Cardiovascular Diseases Research	5U01HL125511-04	93.837	324,429	132,836
Cardiovascular Diseases Research	1R01HL160822	93.837	333,602	110,012
Cardiovascular Diseases Research	DP2HL151354-01	93.837	334,456	-
Cardiovascular Diseases Research	R01HL169171	93.837	347,243	-
Cardiovascular Diseases Research	R01HL136590	93.837	359,692	116,911
Cardiovascular Diseases Research	1R01HL149746-01A1	93.837	369,419	-
Cardiovascular Diseases Research	1R01HL164783	93.837	387,573	-
Cardiovascular Diseases Research	R01HL169954	93.837	396,885	205,404
Cardiovascular Diseases Research	T32HL007950-21	93.837	401,164	-
Cardiovascular Diseases Research	2P01HL107205-06A1	93.837	447,105	-
Cardiovascular Diseases Research	R35HL135820	93.837	453,216	-
Cardiovascular Diseases Research	T32HL098069-11A1	93.837	487,285	-
Cardiovascular Diseases Research	1R35HL135767	93.837	507,214	-
Cardiovascular Diseases Research	R01HL155411	93.837	512,938	-
Cardiovascular Diseases Research	2U01HL098162	93.837	533,105	70,012
Cardiovascular Diseases Research	5R01HL125811	93.837	535,948	-
Cardiovascular Diseases Research	R01HL170164	93.837	537,998	-
Cardiovascular Diseases Research	R01HL151222-01A1	93.837	554,829	-

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<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<u>Federal Assistance Listing Number</u>	<u>Expenditures</u>	<u>Subrecipient Expenditures</u>
I. Research and Development Cluster				
Department of Health & Human Services				
Direct: (Continued)				
Cardiovascular Diseases Research	7R01HL145293	93.837	\$ 579,787	\$ 318,164
Cardiovascular Diseases Research	R01HL148008	93.837	580,317	-
Cardiovascular Diseases Research	1R01HL168473	93.837	586,387	344,857
Cardiovascular Diseases Research	R01HL152548	93.837	594,863	9,509
Cardiovascular Diseases Research	R01HL155543	93.837	610,149	-
Cardiovascular Diseases Research	2R01HL144476	93.837	612,845	-
Cardiovascular Diseases Research	1R35HL145249	93.837	613,026	-
Cardiovascular Diseases Research	1R01HL157019-01	93.837	617,186	-
Cardiovascular Diseases Research	R01HL142765	93.837	619,315	39,013
Cardiovascular Diseases Research	R01HL169520	93.837	634,866	-
Cardiovascular Diseases Research	1R01HL155105	93.837	638,769	-
Cardiovascular Diseases Research	R01HL154345	93.837	655,327	-
Cardiovascular Diseases Research	R01HL158876	93.837	707,816	-
Cardiovascular Diseases Research	1R01HL162792	93.837	770,495	-
Cardiovascular Diseases Research	2R01HL131952	93.837	773,781	-
Cardiovascular Diseases Research	R01HL157111	93.837	785,035	-
Cardiovascular Diseases Research	1R01HL161746-01A1	93.837	785,429	-
Cardiovascular Diseases Research	1R01HL163640	93.837	804,458	-
Cardiovascular Diseases Research	1R01HL162580	93.837	812,126	-
Cardiovascular Diseases Research	R01HL152197	93.837	838,076	-
Cardiovascular Diseases Research	R01HL150352	93.837	862,001	-
Cardiovascular Diseases Research	R01HL136590	93.837	887,653	-
Cardiovascular Diseases Research	2R01HL135582	93.837	933,317	-
Cardiovascular Diseases Research	R35HL155988	93.837	955,521	-
			31,291,626	1,644,328
Lung Diseases Research	1K99HL151806	93.838	(395)	-
Lung Diseases Research	1F31HL158119	93.838	(231)	-
Lung Diseases Research	1R03HL154275-01	93.838	26,587	-
Lung Diseases Research	5T35HL007649	93.838	39,641	-
Lung Diseases Research	1K99HL159261	93.838	49,642	-
Lung Diseases Research	F30HL162459	93.838	52,134	-
Lung Diseases Research	1R21HL161723-01	93.838	64,786	-
Lung Diseases Research	R01HL145152	93.838	111,726	-
Lung Diseases Research	2T35HL007649	93.838	141,583	-
Lung Diseases Research	1K08HL151970-01	93.838	146,551	-
Lung Diseases Research	U01HL145567	93.838	180,803	11,888
Lung Diseases Research	1K08HL159422-01A1	93.838	194,714	-
Lung Diseases Research	1R21HL161556	93.838	225,314	123,463
Lung Diseases Research	1R01HL145660	93.838	283,755	255,083
Lung Diseases Research	R56HL168089	93.838	479,646	-
Lung Diseases Research	1R01HL152677-01	93.838	490,441	-
Lung Diseases Research	1R01HL162629	93.838	528,533	127,727
Lung Diseases Research	R35HL135805	93.838	543,462	-
Lung Diseases Research	1R01HL163177	93.838	590,813	314,046
Lung Diseases Research	2T32HL007778	93.838	712,560	-
Lung Diseases Research	1R01HL155948	93.838	720,139	-
Lung Diseases Research	1R01HL163984	93.838	828,552	26,834
Lung Diseases Research	1R01HL153604	93.838	859,211	97,324
Lung Diseases Research	1R01HL157776	93.838	882,812	-
Lung Diseases Research	R01HL159459-01	93.838	925,812	166,246
Lung Diseases Research	R35HL150766-01	93.838	954,335	-
Lung Diseases Research	2R01HL127349	93.838	1,286,495	334,741
			11,319,421	1,457,352
Blood Diseases and Resources Research	1R01HL139756	93.839	21,118	-
Blood Diseases and Resources Research	1F31HL168920	93.839	29,572	-
Blood Diseases and Resources Research	1F31HL167628	93.839	36,305	-

The accompanying notes are an integral part of this schedule

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**Schedule of Expenditures of Federal Awards**  
**Year Ended June 30, 2024**

<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<u>Federal Assistance Listing Number</u>	<u>Expenditures</u>	<u>Subrecipient Expenditures</u>
I. Research and Development Cluster				
Department of Health & Human Services				
Direct: (Continued)				
Blood Diseases and Resources Research	7K23HL140142	93.839	\$ 57,194	\$ -
Blood Diseases and Resources Research	7R03HL162694	93.839	60,038	-
Blood Diseases and Resources Research	2T32HL007974	93.839	84,509	-
Blood Diseases and Resources Research	1R34HL159119	93.839	95,722	87,512
Blood Diseases and Resources Research	1R21HL165306	93.839	112,061	47,295
Blood Diseases and Resources Research	1R21A164106	93.839	144,301	-
Blood Diseases and Resources Research	7K08HL150246-03	93.839	156,881	-
Blood Diseases and Resources Research	K01HL145580	93.839	180,966	-
Blood Diseases and Resources Research	1R34HL159119	93.839	197,691	144,715
Blood Diseases and Resources Research	1R01HL167071	93.839	206,294	-
Blood Diseases and Resources Research	R00HL153673	93.839	260,132	-
Blood Diseases and Resources Research	1R01HL150515-01	93.839	387,851	-
Blood Diseases and Resources Research	2T32HL007974-21	93.839	474,440	-
Blood Diseases and Resources Research	U01HL128566	93.839	475,278	359,348
Blood Diseases and Resources Research	R01HL122815-05A1	93.839	482,336	-
			3,462,689	638,870
Translation and Implementation Science Research for Heart, Lung, Blood Diseases, and Sleep Disorders	R21HL150459	93.840	9,934	-
Translation and Implementation Science Research for Heart, Lung, Blood Diseases, and Sleep Disorders	1F30HL164061	93.840	50,736	-
Translation and Implementation Science Research for Heart, Lung, Blood Diseases, and Sleep Disorders	1K12HL138037	93.840	62,971	-
Translation and Implementation Science Research for Heart, Lung, Blood Diseases, and Sleep Disorders	K99HL166781	93.840	99,651	-
Translation and Implementation Science Research for Heart, Lung, Blood Diseases, and Sleep Disorders	1R56HL166523	93.840	107,637	30,538
Translation and Implementation Science Research for Heart, Lung, Blood Diseases, and Sleep Disorders	1R01HL166585	93.840	177,998	-
Translation and Implementation Science Research for Heart, Lung, Blood Diseases, and Sleep Disorders	1R01HL169421	93.840	183,736	29,777
Translation and Implementation Science Research for Heart, Lung, Blood Diseases, and Sleep Disorders	T32HL155000	93.840	459,330	-
Translation and Implementation Science Research for Heart, Lung, Blood Diseases, and Sleep Disorders	1R01HL143785	93.840	488,285	105,564
Translation and Implementation Science Research for Heart, Lung, Blood Diseases, and Sleep Disorders	1R01HL163092	93.840	717,659	-
Translation and Implementation Science Research for Heart, Lung, Blood Diseases, and Sleep Disorders	5R01HL151603	93.840	760,244	470,223
			3,118,181	636,102
Arthritis, Musculoskeletal and Skin Diseases Research	1R01AR068994	93.846	(1)	-
Arthritis, Musculoskeletal and Skin Diseases Research	5R01AR074545	93.846	2,405	-
Arthritis, Musculoskeletal and Skin Diseases Research	1F31AR079928	93.846	3,247	-
Arthritis, Musculoskeletal and Skin Diseases Research	1F31AR082696	93.846	6,786	-
Arthritis, Musculoskeletal and Skin Diseases Research	2T32AR007016-48	93.846	19,461	-
Arthritis, Musculoskeletal and Skin Diseases Research	7R01AR068353	93.846	20,693	-
Arthritis, Musculoskeletal and Skin Diseases Research	1R01AR081656	93.846	32,406	-
Arthritis, Musculoskeletal and Skin Diseases Research	1F32AR079892	93.846	54,888	-
Arthritis, Musculoskeletal and Skin Diseases Research	1R01AR075412	93.846	78,201	27,738
Arthritis, Musculoskeletal and Skin Diseases Research	1K99AR079555-01A1	93.846	93,836	-
Arthritis, Musculoskeletal and Skin Diseases Research	R01AR071491	93.846	102,543	-
Arthritis, Musculoskeletal and Skin Diseases Research	R21AR079591-01	93.846	110,550	-
Arthritis, Musculoskeletal and Skin Diseases Research	1K08AR081408	93.846	155,046	-
Arthritis, Musculoskeletal and Skin Diseases Research	1K08AR080777	93.846	161,146	-
Arthritis, Musculoskeletal and Skin Diseases Research	K08AR079587	93.846	167,568	-
Arthritis, Musculoskeletal and Skin Diseases Research	1K08AR077689-01A1	93.846	169,787	-
Arthritis, Musculoskeletal and Skin Diseases Research	1R01AR073607	93.846	208,329	-
Arthritis, Musculoskeletal and Skin Diseases Research	R21AR081661	93.846	209,165	-
Arthritis, Musculoskeletal and Skin Diseases Research	R01AR082203	93.846	211,314	-
Arthritis, Musculoskeletal and Skin Diseases Research	1R01AR076420-01A1	93.846	269,197	-
Arthritis, Musculoskeletal and Skin Diseases Research	7R01AR076900	93.846	291,123	-
Arthritis, Musculoskeletal and Skin Diseases Research	R37AR040072	93.846	345,983	-
Arthritis, Musculoskeletal and Skin Diseases Research	T32AR007107	93.846	348,529	-
Arthritis, Musculoskeletal and Skin Diseases Research	R01AR079428	93.846	360,669	-
Arthritis, Musculoskeletal and Skin Diseases Research	R01AR062111	93.846	378,049	-
Arthritis, Musculoskeletal and Skin Diseases Research	R01AR062207	93.846	379,673	-
Arthritis, Musculoskeletal and Skin Diseases Research	7R01AR078035	93.846	404,096	-
Arthritis, Musculoskeletal and Skin Diseases Research	5T32AR007016-49	93.846	413,389	-

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<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<u>Federal Assistance Listing Number</u>	<u>Expenditures</u>	<u>Subrecipient Expenditures</u>
I. Research and Development Cluster				
Department of Health & Human Services				
Direct: (Continued)				
Arthritis, Musculoskeletal and Skin Diseases Research	1R01AR080416	93.846	\$ 440,956	\$ -
Arthritis, Musculoskeletal and Skin Diseases Research	1R01AR076938-03	93.846	456,990	223,230
Arthritis, Musculoskeletal and Skin Diseases Research	1R01AR078334	93.846	485,846	-
Arthritis, Musculoskeletal and Skin Diseases Research	R01AR081074	93.846	536,859	-
Arthritis, Musculoskeletal and Skin Diseases Research	1R01AR079232	93.846	566,830	-
Arthritis, Musculoskeletal and Skin Diseases Research	R01AR080152	93.846	570,625	-
Arthritis, Musculoskeletal and Skin Diseases Research	1R01AR073270	93.846	643,635	419,137
Arthritis, Musculoskeletal and Skin Diseases Research	2R01AR068392	93.846	677,908	-
Arthritis, Musculoskeletal and Skin Diseases Research	1R01AR080104	93.846	736,453	-
Arthritis, Musculoskeletal and Skin Diseases Research	R01AR078715	93.846	899,864	235,860
Arthritis, Musculoskeletal and Skin Diseases Research	2R01AR072668	93.846	948,613	-
Arthritis, Musculoskeletal and Skin Diseases Research	2R01AR063663	93.846	976,766	-
			<u>12,939,423</u>	<u>905,965</u>
Diabetes, Digestive, and Kidney Diseases Extramural Research	P30DK045735	93.847	(16,787)	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	5K08DK113109-04	93.847	(3,368)	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	5R01DK111038-03	93.847	(1,940)	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	5P30DK045735-25	93.847	(80)	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	1R56DK132266-01A1	93.847	262	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	5R01DK049587	93.847	449	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	5R01DK093771-06	93.847	451	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	1R01DK138155	93.847	1,066	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	1R01DK138015	93.847	2,924	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	1R56DK129344	93.847	3,481	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	2T32DK007017-46	93.847	5,673	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	2R01DK057846	93.847	5,986	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	2U01 DK106908-06	93.847	10,275	9,772
Diabetes, Digestive, and Kidney Diseases Extramural Research	1F31DK137452	93.847	12,483	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	1K08DK128585	93.847	13,998	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	1R01DK120373-01A1	93.847	15,724	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	1R01DK136623	93.847	15,820	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	R01DK121326	93.847	25,753	27,858
Diabetes, Digestive, and Kidney Diseases Extramural Research	1F31DK126362	93.847	27,843	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	5F31DK132866	93.847	28,667	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	F31DK132941	93.847	29,011	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	1F30DK131846	93.847	35,459	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	1K23DK136932	93.847	36,797	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	1R01DK139675	93.847	38,865	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	1R01DK134624	93.847	39,396	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	1R01DK113984	93.847	40,430	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	U54DK106857	93.847	40,893	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	1F31DK135356	93.847	40,960	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	1F31DK136246	93.847	42,381	-

**Yale University**  
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I. Research and Development Cluster				
Department of Health & Human Services				
Direct: (Continued)				
Diabetes, Digestive, and Kidney Diseases Extramural Research	1R01DK138986	93.847	\$ 48,250	\$ -
Diabetes, Digestive, and Kidney Diseases Extramural Research	R03DK134791	93.847	49,896	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	R01DK020495-42	93.847	57,526	13,286
Diabetes, Digestive, and Kidney Diseases Extramural Research	1R21DK128680-01	93.847	58,087	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	R01DK117650	93.847	58,888	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	2R01DK089098	93.847	78,680	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	R01DK111539	93.847	81,676	26,129
Diabetes, Digestive, and Kidney Diseases Extramural Research	1K08DK133687	93.847	82,804	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	K01DK124441	93.847	94,254	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	1R21DK130299	93.847	95,817	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	1R03DK135445	93.847	97,432	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	1R03DK134793	93.847	111,532	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	1R25DK121566	93.847	121,319	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	5K01DK120783	93.847	124,628	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	K23DK117065	93.847	130,631	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	K23DK132517	93.847	139,140	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	1K01DK132514	93.847	140,011	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	1K23DK129836-01	93.847	143,908	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	2R01DK099097	93.847	144,146	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	1R01DK135689	93.847	148,955	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	K08DK133496	93.847	153,094	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	1R01DK121948	93.847	154,465	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	1R01DK124321-01	93.847	159,987	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	1R01DK113191	93.847	160,388	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	5T32DK007017	93.847	161,478	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	1K23DK127154	93.847	164,207	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	5K08DK119642	93.847	167,316	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	7K08DK124686	93.847	168,102	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	K01DK118005	93.847	170,818	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	1K23DK125718	93.847	175,574	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	7R01DK122164-03	93.847	176,993	37,499
Diabetes, Digestive, and Kidney Diseases Extramural Research	2R01DK033793-34A1	93.847	185,054	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	1R01DK124788	93.847	190,536	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	5K23DK115893	93.847	191,332	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	5R01DK114169/3R01DK114169 S1	93.847	194,189	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	1R01DK117597	93.847	198,597	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	T35DK104689	93.847	199,800	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	7R01DK114504	93.847	204,437	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	5R01DK120911-03/3R01DK120911-03S1	93.847	209,482	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	K23DK128560	93.847	216,566	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	1K01DK129441	93.847	217,802	6,088
Diabetes, Digestive, and Kidney Diseases Extramural Research	R01DK129616	93.847	224,746	213,453
Diabetes, Digestive, and Kidney Diseases Extramural Research	5U01DK106908	93.847	247,388	28,213
Diabetes, Digestive, and Kidney Diseases Extramural Research	U01DK133768	93.847	270,449	-

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			<b>Number</b>	<b>Expenditures</b>	
<b>I. Research and Development Cluster</b>					
<b>Department of Health &amp; Human Services</b>					
<b>Direct: (Continued)</b>					
COVID-19	Diabetes, Digestive, and Kidney Diseases Extramural Research	R00DK120869	93.847	\$ 277,505	\$ -
	Diabetes, Digestive, and Kidney Diseases Extramural Research	R00DK129712	93.847	312,108	-
	Diabetes, Digestive, and Kidney Diseases Extramural Research	1R01DK112771	93.847	312,476	-
	Diabetes, Digestive, and Kidney Diseases Extramural Research	2R01DK083294	93.847	312,654	-
	Diabetes, Digestive, and Kidney Diseases Extramural Research	1R01DK134977	93.847	314,973	-
	Diabetes, Digestive, and Kidney Diseases Extramural Research	5R01DK125492-02	93.847	328,092	-
	Diabetes, Digestive, and Kidney Diseases Extramural Research	R01DK093771	93.847	330,841	-
	Diabetes, Digestive, and Kidney Diseases Extramural Research	5R01DK117651-04	93.847	338,851	-
	Diabetes, Digestive, and Kidney Diseases Extramural Research	1R01DK121551	93.847	340,219	-
	Diabetes, Digestive, and Kidney Diseases Extramural Research	2R01DK093629	93.847	340,774	-
	Diabetes, Digestive, and Kidney Diseases Extramural Research	2T32DK007356	93.847	347,651	-
	Diabetes, Digestive, and Kidney Diseases Extramural Research	1R01DK124420	93.847	355,401	-
	Diabetes, Digestive, and Kidney Diseases Extramural Research	1R01DK126295	93.847	359,821	12,442
	Diabetes, Digestive, and Kidney Diseases Extramural Research	5T32DK007058	93.847	361,044	-
	Diabetes, Digestive, and Kidney Diseases Extramural Research	1R01DK135650	93.847	365,767	110,852
	Diabetes, Digestive, and Kidney Diseases Extramural Research	T32DK007276	93.847	375,861	-
	Diabetes, Digestive, and Kidney Diseases Extramural Research	2R01DK077065-12	93.847	379,005	-
	Diabetes, Digestive, and Kidney Diseases Extramural Research	2R01DK057846	93.847	380,053	22,779
	Diabetes, Digestive, and Kidney Diseases Extramural Research	P30DK079310	93.847	393,777	163,339
	Diabetes, Digestive, and Kidney Diseases Extramural Research	1R01DK130362	93.847	395,389	-
	Diabetes, Digestive, and Kidney Diseases Extramural Research	2R01DK096096	93.847	401,995	-
	Diabetes, Digestive, and Kidney Diseases Extramural Research	1R01DK114075	93.847	404,798	-
	Diabetes, Digestive, and Kidney Diseases Extramural Research	R01DK129552	93.847	409,249	17,496
	Diabetes, Digestive, and Kidney Diseases Extramural Research	1U2CDK134901	93.847	415,658	-
	Diabetes, Digestive, and Kidney Diseases Extramural Research	1R01DK135645	93.847	426,141	-
	Diabetes, Digestive, and Kidney Diseases Extramural Research	1U2CDK134901	93.847	434,439	-
	Diabetes, Digestive, and Kidney Diseases Extramural Research	R01DK132645	93.847	437,497	-
	Diabetes, Digestive, and Kidney Diseases Extramural Research	1R01DK126447	93.847	468,852	-
	Diabetes, Digestive, and Kidney Diseases Extramural Research	R01DK124500	93.847	475,158	119,849
	Diabetes, Digestive, and Kidney Diseases Extramural Research	R01DK137467	93.847	486,439	-
	Diabetes, Digestive, and Kidney Diseases Extramural Research	1R01DK134549	93.847	487,788	-
	Diabetes, Digestive, and Kidney Diseases Extramural Research	1R01DK121511-01A1	93.847	499,364	-
	Diabetes, Digestive, and Kidney Diseases Extramural Research	2R01DK113135	93.847	503,282	-
	Diabetes, Digestive, and Kidney Diseases Extramural Research	1R01DK126809	93.847	504,511	-
	Diabetes, Digestive, and Kidney Diseases Extramural Research	R01DK101528	93.847	513,334	-
	Diabetes, Digestive, and Kidney Diseases Extramural Research	5R01DK124272	93.847	513,713	-
	Diabetes, Digestive, and Kidney Diseases Extramural Research	1R01DK128277	93.847	523,843	66,034
	Diabetes, Digestive, and Kidney Diseases Extramural Research	R01DK132563	93.847	524,738	-
	Diabetes, Digestive, and Kidney Diseases Extramural Research	R01DK132274	93.847	531,858	74,531
	Diabetes, Digestive, and Kidney Diseases Extramural Research	2R01DK101984-07	93.847	546,106	-
	Diabetes, Digestive, and Kidney Diseases Extramural Research	R01DK134398	93.847	549,491	-
	Diabetes, Digestive, and Kidney Diseases Extramural Research	1R01DK126815	93.847	565,837	85,674
	Diabetes, Digestive, and Kidney Diseases Extramural Research	R01DK130318	93.847	574,175	-
	Diabetes, Digestive, and Kidney Diseases Extramural Research	1R01DK131127-01A1	93.847	583,851	-

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I. Research and Development Cluster					
Department of Health & Human Services					
Direct: (Continued)					
Diabetes, Digestive, and Kidney Diseases Extramural Research	1R01DK134329	93.847	\$	591,282	\$ -
Diabetes, Digestive, and Kidney Diseases Extramural Research	1R01DK135587	93.847		609,266	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	1R01DK131033	93.847		611,838	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	U54DK106857	93.847		621,007	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	R01DK118728	93.847		638,797	303,673
Diabetes, Digestive, and Kidney Diseases Extramural Research	1R01DK128087	93.847		643,941	279,607
Diabetes, Digestive, and Kidney Diseases Extramural Research	R01DK133143	93.847		653,690	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	U01DK123817	93.847		655,582	231,318
Diabetes, Digestive, and Kidney Diseases Extramural Research	R01DK129466	93.847		661,311	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	R01DK120891	93.847		676,738	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	2R01DK099097	93.847		690,323	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	1R01DK135052	93.847		703,879	85,340
Diabetes, Digestive, and Kidney Diseases Extramural Research	1R01DK119968	93.847		709,995	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	1R01DK129523	93.847		716,244	248,092
Diabetes, Digestive, and Kidney Diseases Extramural Research	1R01DK126637-01	93.847		718,375	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	1DP2DK125119	93.847		732,363	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	1R01DK125650-01A1	93.847		736,298	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	1U01DK123799	93.847		753,505	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	R01DK132069	93.847		814,149	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	2R01DK099039	93.847		837,134	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	R01DK111038	93.847		856,187	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	R01DK130997	93.847		934,590	42,785
Diabetes, Digestive, and Kidney Diseases Extramural Research	R01DK133798	93.847		1,005,874	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	1R01DK127637	93.847		1,006,733	461,092
Diabetes, Digestive, and Kidney Diseases Extramural Research	5RC2DK120534-02	93.847		1,148,916	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	2P30DK045735	93.847		1,341,765	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	2P30DK034989	93.847		1,506,194	-
				47,343,607	2,687,201
Extramural Research Programs in the Neurosciences and Neurological Disorders	1R21NS119992-01	93.853		(102)	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	R21NS108060	93.853		(10)	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	5R01NS094253-02	93.853		159	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	F99NS125835	93.853		4,392	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	8K00EY036644	93.853		5,734	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	1F99NS129174	93.853		6,856	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	1R01NS134606	93.853		8,347	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	F32NS123002	93.853		9,368	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	1F31NS118810-01	93.853		9,415	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	1R01NS132860	93.853		9,463	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	1R01NS118463-01	93.853		10,941	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	1F31NS130957	93.853		11,109	-
COVID-19 Extramural Research Programs in the Neurosciences and Neurological Disorders	1K23NS133488	93.853		11,763	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	1F31NS132530	93.853		16,987	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	1F31NS135909	93.853		17,412	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	1F31NS122412	93.853		17,535	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	1R01NS136442	93.853		21,793	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	2R01NS036251-21	93.853		25,277	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	1F31NS127495	93.853		26,151	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	1F31NS129354	93.853		28,315	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	1F31NS131038	93.853		28,322	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	R21NS118764	93.853		28,564	7,293
Extramural Research Programs in the Neurosciences and Neurological Disorders	F31NS134151	93.853		28,799	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	R25NS079193	93.853		29,473	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	1K99NS133494	93.853		30,067	-

The accompanying notes are an integral part of this schedule

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**Schedule of Expenditures of Federal Awards**  
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I. Research and Development Cluster				
Department of Health & Human Services				
Direct: (Continued)				
Extramural Research Programs in the Neurosciences and Neurological Disorders	1F31NS127453	93.853	\$ 30,241	\$ -
Extramural Research Programs in the Neurosciences and Neurological Disorders	F31NS122294	93.853	31,066	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	1F31NS130899	93.853	31,210	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	1F31NS125953	93.853	32,572	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	1K23NS101099-01A1	93.853	32,945	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	1F32NS131266	93.853	32,949	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	1F31NS129248	93.853	34,067	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	1F31NS130903	93.853	40,031	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	2R01NS086932	93.853	40,119	45,660
Extramural Research Programs in the Neurosciences and Neurological Disorders	F31NS131036	93.853	42,134	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	5U01NS106513	93.853	53,469	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	2R01NS103931	93.853	63,014	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	K23NS099478	93.853	69,913	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	1U24NS129500	93.853	79,630	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	1R01NS125482	93.853	85,329	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	2U24NS107215	93.853	89,076	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	1R35NS132342	93.853	96,918	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	5R01NS104917	93.853	99,656	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	1R21NS120116	93.853	100,273	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	R01NS109062	93.853	101,155	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	U24NS107215	93.853	113,928	55,811
Extramural Research Programs in the Neurosciences and Neurological Disorders	1T32NS131190	93.853	116,792	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	U24NS107136	93.853	126,391	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	2R01NS086932	93.853	133,984	68,560
Extramural Research Programs in the Neurosciences and Neurological Disorders	K23NS118056	93.853	140,118	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	1R21NS128641	93.853	144,960	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	2R01NS011613	93.853	146,565	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	R01NS111961	93.853	154,145	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	1R01NS109160	93.853	158,271	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	R21NS134229	93.853	161,062	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	1R21NS131852	93.853	167,151	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	7R01NS115144	93.853	167,454	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	R21NS130381	93.853	168,326	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	K23NS110980	93.853	172,897	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	5R01NS105640	93.853	178,083	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	5K23NS107624	93.853	179,702	16,594
Extramural Research Programs in the Neurosciences and Neurological Disorders	1R21NS132543	93.853	182,331	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	1U24NS129500	93.853	190,379	42,300
Extramural Research Programs in the Neurosciences and Neurological Disorders	R21NS129197	93.853	191,146	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	R01NS133091	93.853	195,865	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	2T32NS007224-36	93.853	198,284	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	K23NS105924	93.853	198,540	-

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I. Research and Development Cluster				
Department of Health & Human Services				
Direct: (Continued)				
Extramural Research Programs in the Neurosciences and Neurological Disorders	K23NS112596	93.853	\$ 200,145	\$ -
Extramural Research Programs in the Neurosciences and Neurological Disorders	1R35NS132156	93.853	206,286	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	K23NS121634	93.853	214,944	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	2R01NS091070	93.853	234,465	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	T32NS105583	93.853	236,347	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	4R00NS114166	93.853	257,077	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	1R21NS132011	93.853	264,420	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	R21NS132546	93.853	264,480	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	2R01NS094219	93.853	272,561	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	5R01NS114400	93.853	277,664	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	R01NS110721	93.853	279,403	67,383
Extramural Research Programs in the Neurosciences and Neurological Disorders	R01NS112907	93.853	304,412	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	U01NS130585	93.853	312,381	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	R01NS111980	93.853	317,687	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	R01NS112223	93.853	320,120	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	U01NS130585	93.853	325,394	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	R01NS113236	93.853	337,839	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	1R01NS118884	93.853	344,138	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	4R37NS100901	93.853	350,605	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	1R01NS112706-01	93.853	353,446	287,172
Extramural Research Programs in the Neurosciences and Neurological Disorders	1R01NS121773	93.853	357,005	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	5R01NS028695	93.853	363,330	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	R56NS129540	93.853	363,367	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	1R01NS111935	93.853	387,965	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	1R01NS128358-01	93.853	393,940	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	1R35NS132342	93.853	414,660	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	2R37NS045876	93.853	424,227	50,296
Extramural Research Programs in the Neurosciences and Neurological Disorders	1R01NS133434	93.853	439,136	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	R01NS126271	93.853	445,239	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	R01NS132926	93.853	453,485	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	1R01NS121026	93.853	460,585	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	1R01NS122907-01	93.853	461,555	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	RF1NS132840	93.853	464,060	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	1R01NS115544-02	93.853	471,776	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	R01NS114130	93.853	474,124	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	R01NS110824	93.853	483,561	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	2R01NS097547	93.853	492,199	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	R01NS132868	93.853	497,835	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	T32NS041228	93.853	506,653	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	1R01NS117904	93.853	513,513	240,642
Extramural Research Programs in the Neurosciences and Neurological Disorders	R01NS126277	93.853	514,307	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	4R01NS116584	93.853	515,394	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	1R01NS118886	93.853	530,135	76,357
Extramural Research Programs in the Neurosciences and Neurological Disorders	R53NS097283	93.853	550,518	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	2R01NS021501	93.853	554,729	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	1R01NS127879-01	93.853	555,776	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	1R01NS123405-01	93.853	560,453	136,439

**Yale University**  
**Schedule of Expenditures of Federal Awards**  
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<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<u>Federal Assistance Listing Number</u>	<u>Expenditures</u>	<u>Subrecipient Expenditures</u>
I. Research and Development Cluster				
Department of Health & Human Services				
Direct: (Continued)				
Extramural Research Programs in the Neurosciences and Neurological Disorders	1UG3NS130228	93.853	\$ 562,243	\$ 480,312
Extramural Research Programs in the Neurosciences and Neurological Disorders	R01NS130189	93.853	570,785	291,882
Extramural Research Programs in the Neurosciences and Neurological Disorders	1R01NS124819-01A1	93.853	574,118	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	2R01NS066974	93.853	578,601	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	5R01NS111242-02	93.853	598,512	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	R01NS102239	93.853	650,991	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	1R01NS130057	93.853	664,675	9,608
Extramural Research Programs in the Neurosciences and Neurological Disorders	2R01NS035193	93.853	679,628	98,869
Extramural Research Programs in the Neurosciences and Neurological Disorders	1R01NS122388-01	93.853	690,531	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	R01NS118463	93.853	731,155	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	R01NS106104	93.853	731,827	626,446
Extramural Research Programs in the Neurosciences and Neurological Disorders	1R01NS123183	93.853	774,849	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	1RF1NS130069	93.853	783,815	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	1R01NS127469-01A1	93.853	853,786	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	RF1NS128953	93.853	866,936	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	1R35NS132156	93.853	914,088	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	UG3NS123307	93.853	976,522	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	2R01NS100547	93.853	1,314,092	774,911
Extramural Research Programs in the Neurosciences and Neurological Disorders	UH3NS112826-03	93.853	1,324,885	298,889
Extramural Research Programs in the Neurosciences and Neurological Disorders	U01NS106513-02	93.853	3,214,889	2,881,510
			41,538,540	6,556,934
Allergy and Infectious Diseases Research	U19AI089992	93.855	(25,615)	(25,615)
Allergy and Infectious Diseases Research	1R01AI123208-03	93.855	(4,344)	-
Allergy and Infectious Diseases Research	3R01AI151176	93.855	(3,265)	(3,265)
Allergy and Infectious Diseases Research	1R01AI126033	93.855	(313)	-
Allergy and Infectious Diseases Research	5R01AI118855-03	93.855	(81)	-
Allergy and Infectious Diseases Research	5R01AI121207-04	93.855	(6)	-
Allergy and Infectious Diseases Research	1R01AI123204	93.855	3,998	-
Allergy and Infectious Diseases Research	1F31AI161971	93.855	5,587	-
Allergy and Infectious Diseases Research	1F31AI183702	93.855	6,874	-
Allergy and Infectious Diseases Research	2T32AI007517	93.855	10,048	-
Allergy and Infectious Diseases Research	1R01AI138141	93.855	12,706	-
Allergy and Infectious Diseases Research	1K99AI159302	93.855	13,057	-
Allergy and Infectious Diseases Research	5R01AI104739	93.855	15,884	3,151
Allergy and Infectious Diseases Research	1F30AI181493	93.855	16,646	-
Allergy and Infectious Diseases Research	1R01AI131613	93.855	25,287	-
Allergy and Infectious Diseases Research	T32AI007640	93.855	26,248	-
Allergy and Infectious Diseases Research	F31AI164909	93.855	28,628	-
COVID-19 Allergy and Infectious Diseases Research	1F31AI176650	93.855	30,112	-
Allergy and Infectious Diseases Research	1F30AI174787	93.855	30,846	-
Allergy and Infectious Diseases Research	1F31AI169882	93.855	33,544	-
Allergy and Infectious Diseases Research	1R01AI150560	93.855	35,517	35,101
Allergy and Infectious Diseases Research	1R01AI136794	93.855	36,211	64,703
Allergy and Infectious Diseases Research	F30AI157227	93.855	36,640	-
Allergy and Infectious Diseases Research	1F31AI167626	93.855	39,016	-
Allergy and Infectious Diseases Research	U19AI089992	93.855	39,834	39,835
Allergy and Infectious Diseases Research	1F31AI179156	93.855	40,596	-
Allergy and Infectious Diseases Research	1F31AI169966	93.855	42,698	-
Allergy and Infectious Diseases Research	R21AI163969	93.855	42,745	29,065
Allergy and Infectious Diseases Research	U01AI145965	93.855	48,933	48,083
Allergy and Infectious Diseases Research	1R21AI163674	93.855	49,846	-
Allergy and Infectious Diseases Research	F30AI157301	93.855	54,085	-
Allergy and Infectious Diseases Research	1R01AI182061	93.855	54,826	-
Allergy and Infectious Diseases Research	1R21AI180187	93.855	55,739	-
Allergy and Infectious Diseases Research	R21AI176204	93.855	63,846	-

The accompanying notes are an integral part of this schedule

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**Schedule of Expenditures of Federal Awards**  
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<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<b>Federal Assistance Listing</b> <u>Number</u>	<u>Expenditures</u>	<b>Subrecipient Expenditures</b>
<b>I. Research and Development Cluster</b>				
<b>Department of Health &amp; Human Services</b>				
<b>Direct: (Continued)</b>				
Allergy and Infectious Diseases Research	1R21AI178097	93.855	\$ 64,753	\$ -
Allergy and Infectious Diseases Research	2R01AI044616-20	93.855	64,870	-
Allergy and Infectious Diseases Research	1R21AI159580	93.855	70,555	-
Allergy and Infectious Diseases Research	1R21AI178859	93.855	79,654	-
Allergy and Infectious Diseases Research	1R01AI137079	93.855	81,305	-
Allergy and Infectious Diseases Research	R21AI159201	93.855	93,417	-
Allergy and Infectious Diseases Research	1R21AI171842	93.855	96,466	-
COVID-19 Allergy and Infectious Diseases Research	1R21AI178582	93.855	96,614	-
COVID-19 Allergy and Infectious Diseases Research	1K99AI177945	93.855	97,510	-
Allergy and Infectious Diseases Research	1R01AI181379	93.855	103,728	7,680
Allergy and Infectious Diseases Research	1R21AI160171	93.855	106,673	-
Allergy and Infectious Diseases Research	1R21AI157857	93.855	107,037	44,406
Allergy and Infectious Diseases Research	5U19AI089681	93.855	120,317	120,317
Allergy and Infectious Diseases Research	1R21AI153644-01A1	93.855	122,603	-
Allergy and Infectious Diseases Research	1R21AI161838-01A1	93.855	123,898	-
Allergy and Infectious Diseases Research	1R21AI166387	93.855	127,633	-
Allergy and Infectious Diseases Research	1R21AI168968	93.855	137,004	-
Allergy and Infectious Diseases Research	R21AI163663-01	93.855	139,832	-
COVID-19 Allergy and Infectious Diseases Research	RAI169531A	93.855	144,556	-
Allergy and Infectious Diseases Research	1R21AI173465	93.855	145,071	-
Allergy and Infectious Diseases Research	1R21AI164590-01	93.855	150,175	-
Allergy and Infectious Diseases Research	1R21AI180408	93.855	150,256	-
Allergy and Infectious Diseases Research	5T32AI055403	93.855	157,909	-
COVID-19 Allergy and Infectious Diseases Research	1R21AI173746	93.855	159,082	-
Allergy and Infectious Diseases Research	T32AI007210	93.855	159,759	-
Allergy and Infectious Diseases Research	1R01AI127865	93.855	160,822	-
Allergy and Infectious Diseases Research	1R21AI157890	93.855	162,696	102,636
Allergy and Infectious Diseases Research	1K08AI171182	93.855	164,727	-
Allergy and Infectious Diseases Research	1R01AI182086-01	93.855	166,987	-
COVID-19 Allergy and Infectious Diseases Research	K23AI159518	93.855	172,731	-
Allergy and Infectious Diseases Research	K08AI159229	93.855	176,092	-
Allergy and Infectious Diseases Research	1R21AI167773	93.855	179,279	85,050
Allergy and Infectious Diseases Research	R01AI141009	93.855	186,713	95,326
COVID-19 Allergy and Infectious Diseases Research	1R01AI161399	93.855	188,393	188,393
Allergy and Infectious Diseases Research	1R21AI174129	93.855	189,552	78,340
Allergy and Infectious Diseases Research	R21AI171333	93.855	191,933	-
Allergy and Infectious Diseases Research	1R01AI181779	93.855	195,855	-
Allergy and Infectious Diseases Research	1R01AI179874	93.855	203,674	-
COVID-19 Allergy and Infectious Diseases Research	1K08AI163493-01	93.855	211,854	-
Allergy and Infectious Diseases Research	1R21AI178705	93.855	212,590	-
Allergy and Infectious Diseases Research	4R00AI168483	93.855	217,989	-
Allergy and Infectious Diseases Research	1R21AI173637	93.855	223,057	109,927
Allergy and Infectious Diseases Research	R21AI173914	93.855	238,438	-
Allergy and Infectious Diseases Research	R21AI174387	93.855	247,499	-
Allergy and Infectious Diseases Research	2R01AI110325-	93.855	253,117	84,207

**Yale University**  
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<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<u>Federal Assistance Listing Number</u>	<u>Expenditures</u>	<u>Subrecipient Expenditures</u>
I. Research and Development Cluster				
Department of Health & Human Services				
Direct: (Continued)				
Allergy and Infectious Diseases Research	1R01AI152220	93.855	\$ 260,805	\$ -
Allergy and Infectious Diseases Research	1R01AI144152-01	93.855	271,000	-
Allergy and Infectious Diseases Research	1R56AI175206	93.855	273,003	-
Allergy and Infectious Diseases Research	R01AI110452	93.855	285,465	-
Allergy and Infectious Diseases Research	R56AI173289	93.855	299,750	-
Allergy and Infectious Diseases Research	1R01AI139525	93.855	300,354	-
Allergy and Infectious Diseases Research	1R01AI162820	93.855	301,652	-
Allergy and Infectious Diseases Research	2R01AI113040	93.855	303,263	-
Allergy and Infectious Diseases Research	5R01AI154844	93.855	306,267	-
COVID-19 Allergy and Infectious Diseases Research	R01AI174105	93.855	310,503	113,690
Allergy and Infectious Diseases Research	1R01AI166364	93.855	311,543	-
Allergy and Infectious Diseases Research	1R01AI12505-05	93.855	311,736	238,188
Allergy and Infectious Diseases Research	1R01AI177082	93.855	317,256	91,619
COVID-19 Allergy and Infectious Diseases Research	R21AI178249	93.855	319,525	-
Allergy and Infectious Diseases Research	5T32AI007517	93.855	338,786	-
Allergy and Infectious Diseases Research	5R01AI132409	93.855	351,182	43,702
Allergy and Infectious Diseases Research	R01AI114780-06A1	93.855	373,948	-
Allergy and Infectious Diseases Research	1R01AI181308	93.855	374,574	50,708
Allergy and Infectious Diseases Research	5U19AI089992	93.855	392,594	-
Allergy and Infectious Diseases Research	1R01AI148255	93.855	395,093	-
Allergy and Infectious Diseases Research	1R01AI142624	93.855	410,877	-
Allergy and Infectious Diseases Research	1T32AI155387	93.855	414,523	-
Allergy and Infectious Diseases Research	2R01AI049561	93.855	434,986	-
Allergy and Infectious Diseases Research	2T32AI007019	93.855	476,187	-
Allergy and Infectious Diseases Research	1DP2AI177891	93.855	477,517	-
Allergy and Infectious Diseases Research	1DP2AI171113	93.855	478,193	-
Allergy and Infectious Diseases Research	R01AI137093	93.855	501,344	-
Allergy and Infectious Diseases Research	1R01AI165480-01	93.855	502,141	-
Allergy and Infectious Diseases Research	R01AI153351	93.855	511,689	75,295
Allergy and Infectious Diseases Research	R01AI137079	93.855	532,636	-
Allergy and Infectious Diseases Research	2R01AI104824-06A1	93.855	543,272	359,091
Allergy and Infectious Diseases Research	1R01AI155562-01A1	93.855	547,029	240,924
COVID-19 Allergy and Infectious Diseases Research	1R01AI157488	93.855	550,294	-
Allergy and Infectious Diseases Research	R01AI148467	93.855	561,838	-
COVID-19 Allergy and Infectious Diseases Research	3R01AI157488-03S1	93.855	561,991	-
Allergy and Infectious Diseases Research	2R01AI108834-08	93.855	592,363	-
Allergy and Infectious Diseases Research	R01AI158805	93.855	612,170	114,458
Allergy and Infectious Diseases Research	2R01AI127642	93.855	614,624	58,100
Allergy and Infectious Diseases Research	R01AI153422	93.855	630,398	39,890
Allergy and Infectious Diseases Research	1R01AI165661	93.855	643,446	-
Allergy and Infectious Diseases Research	1R01AI152443	93.855	651,773	13,216
Allergy and Infectious Diseases Research	1R01AI152421	93.855	653,767	-
Allergy and Infectious Diseases Research	1R01AI146584	93.855	654,266	426,671
Allergy and Infectious Diseases Research	R01AI147854	93.855	656,197	408,489
Allergy and Infectious Diseases Research	2R01AI150560	93.855	669,413	99,619
Allergy and Infectious Diseases Research	2R01AI032524	93.855	676,781	88,492
Allergy and Infectious Diseases Research	5R37AI030492	93.855	677,230	-

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<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<u>Federal Assistance Listing Number</u>	<u>Expenditures</u>	<u>Subrecipient Expenditures</u>
I. Research and Development Cluster				
Department of Health & Human Services				
Direct: (Continued)				
COVID-19 Allergy and Infectious Diseases Research	R01AI112970-06	93.855	\$ 683,366	\$ 358,660
Allergy and Infectious Diseases Research	2R01AI087946-12	93.855	685,387	51,159
Allergy and Infectious Diseases Research	1R01AI165499-01A1	93.855	687,742	-
Allergy and Infectious Diseases Research	1R01AI153100	93.855	697,599	126,412
Allergy and Infectious Diseases Research	3R01AI157488	93.855	700,382	-
Allergy and Infectious Diseases Research	2R01AI055472	93.855	713,595	-
Allergy and Infectious Diseases Research	1R01AI168238	93.855	716,976	66,414
Allergy and Infectious Diseases Research	R37AI116313	93.855	736,191	-
Allergy and Infectious Diseases Research	2R01AI114618-06	93.855	740,710	-
Allergy and Infectious Diseases Research	1R01AI171980-01A1	93.855	742,039	60,483
Allergy and Infectious Diseases Research	R01AI162826	93.855	762,256	135,428
Allergy and Infectious Diseases Research	1R01AI164692	93.855	763,097	107,950
Allergy and Infectious Diseases Research	R01AI162645	93.855	765,051	22,534
Allergy and Infectious Diseases Research	1R01AI150334-01	93.855	778,774	-
Allergy and Infectious Diseases Research	9R01AI155072	93.855	779,042	-
Allergy and Infectious Diseases Research	R01AI151176-03	93.855	785,217	299,217
COVID-19 Allergy and Infectious Diseases Research	1R01AI163395	93.855	810,170	53,114
Allergy and Infectious Diseases Research	1R01AI145164-01	93.855	813,008	-
Allergy and Infectious Diseases Research	1R01AI150913	93.855	815,800	-
Allergy and Infectious Diseases Research	1R01AI162260	93.855	837,808	-
Allergy and Infectious Diseases Research	R01AI174863	93.855	844,592	63,170
COVID-19 Allergy and Infectious Diseases Research	1R01AI158615	93.855	937,155	676,736
Allergy and Infectious Diseases Research	U19AI089992BCV	93.855	1,091,041	83,524
Allergy and Infectious Diseases Research	5U19AI089681-15	93.855	1,102,901	759,334
Allergy and Infectious Diseases Research	U19AI089992	93.855	2,079,596	75,536
Allergy and Infectious Diseases Research	2P01AI039671	93.855	2,593,163	1,622,100
			53,008,950	8,131,263
Biomedical Research and Research Training	4R00GM124296-03	93.859	(830)	-
Biomedical Research and Research Training	1R01GM118614	93.859	(327)	-
Biomedical Research and Research Training	1R01GM120162-03	93.859	(13)	-
Biomedical Research and Research Training	2R01GM026132	93.859	89	-
Biomedical Research and Research Training	1F32GM136179-01A1	93.859	5,468	-
Biomedical Research and Research Training	1R35GM122560	93.859	5,575	-
Biomedical Research and Research Training	1F32GM142204	93.859	5,814	-
Biomedical Research and Research Training	1F32GM150246	93.859	6,088	-
Biomedical Research and Research Training	1F32GM151766	93.859	12,042	-
Biomedical Research and Research Training	1F31GM145178-01	93.859	17,705	-
Biomedical Research and Research Training	T32GM100884	93.859	19,204	-
Biomedical Research and Research Training	1R35GM153265	93.859	24,890	-
Biomedical Research and Research Training	1F31GM149144	93.859	27,629	-
Biomedical Research and Research Training	1F31GM143917	93.859	29,495	-
Biomedical Research and Research Training	1K99GM140174	93.859	29,897	-
Biomedical Research and Research Training	1F31GM149174	93.859	33,053	-
Biomedical Research and Research Training	F32GM145116	93.859	33,591	-
Biomedical Research and Research Training	1R01GM125955	93.859	35,254	-
Biomedical Research and Research Training	T32GM007324	93.859	38,429	-
Biomedical Research and Research Training	1R35GM128670	93.859	42,210	-
Biomedical Research and Research Training	2T32GM008283	93.859	42,615	-
Biomedical Research and Research Training	2R01GM106189	93.859	49,856	-
Biomedical Research and Research Training	2R35GM131913	93.859	49,908	-
Biomedical Research and Research Training	2R01GM105718	93.859	51,260	-
Biomedical Research and Research Training	2R01GM112766	93.859	52,732	-
Biomedical Research and Research Training	2R01GM101316	93.859	55,855	-
Biomedical Research and Research Training	2T32GM067543-16	93.859	56,425	-
Biomedical Research and Research Training	F32GM151792	93.859	58,178	-

The accompanying notes are an integral part of this schedule

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<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<b>Federal Assistance Listing</b> <u>Number</u>	<u>Expenditures</u>	<b>Subrecipient Expenditures</b>
I. Research and Development Cluster				
Department of Health & Human Services				
Direct: (Continued)				
Biomedical Research and Research Training	1R35GM153474	93.859	\$ 58,213	\$ -
Biomedical Research and Research Training	2T32GM007499-41	93.859	59,713	-
Biomedical Research and Research Training	1R35GM153482	93.859	64,476	-
Biomedical Research and Research Training	1R01GM132114	93.859	65,045	-
Biomedical Research and Research Training	1F32GM145094-01	93.859	65,809	-
Biomedical Research and Research Training	1R35GM132092	93.859	109,729	-
Biomedical Research and Research Training	2R35GM131687	93.859	116,621	-
Biomedical Research and Research Training	1R01GM136969	93.859	121,769	-
Biomedical Research and Research Training	2R01GM110530	93.859	142,322	-
Biomedical Research and Research Training	1R25GM150132	93.859	142,646	-
Biomedical Research and Research Training	R01GM131642	93.859	143,246	-
Biomedical Research and Research Training	1R01GM129081	93.859	149,402	-
Biomedical Research and Research Training	R25GM140278-01	93.859	180,321	-
Biomedical Research and Research Training	1R01GM139337-01	93.859	195,051	-
Biomedical Research and Research Training	1R01GM136815	93.859	209,381	53,806
Biomedical Research and Research Training	1T32GM145452	93.859	210,812	-
Biomedical Research and Research Training	1R35GM149264	93.859	215,012	-
Biomedical Research and Research Training	2R01GM032136	93.859	225,298	-
Biomedical Research and Research Training	1R01GM135290	93.859	232,602	-
Biomedical Research and Research Training	1R35GM151146	93.859	232,844	-
Biomedical Research and Research Training	1R35GM139449	93.859	233,184	-
Biomedical Research and Research Training	R35GM150907	93.859	243,066	-
Biomedical Research and Research Training	1R35GM152208-01	93.859	250,201	-
Biomedical Research and Research Training	R01GM117230	93.859	250,777	-
Biomedical Research and Research Training	R01GM132358	93.859	256,802	-
Biomedical Research and Research Training	1R01GM138411-01	93.859	259,141	-
Biomedical Research and Research Training	1R01GM131004	93.859	267,017	-
Biomedical Research and Research Training	R01GM150502	93.859	283,203	-
Biomedical Research and Research Training	R01GM134148	93.859	283,452	-
Biomedical Research and Research Training	R25GM146264	93.859	293,687	204,418
Biomedical Research and Research Training	2R35GM131715	93.859	307,288	-
Biomedical Research and Research Training	1R01GM137031	93.859	309,289	-
Biomedical Research and Research Training	R35GM148072	93.859	316,019	-
Biomedical Research and Research Training	1R01GM138533	93.859	323,661	-
Biomedical Research and Research Training	T32GM086287	93.859	323,822	-
Biomedical Research and Research Training	R35GM145251	93.859	327,759	-
Biomedical Research and Research Training	1R35GM147565-01	93.859	329,147	-
Biomedical Research and Research Training	2R01GM117386-06	93.859	339,779	-
Biomedical Research and Research Training	1R35GM131913	93.859	342,567	-
Biomedical Research and Research Training	2R01GM101316	93.859	343,038	-
Biomedical Research and Research Training	1R35GM150645	93.859	346,747	-
Biomedical Research and Research Training	1R01GM141313	93.859	347,164	-
Biomedical Research and Research Training	1R01GM138722-01	93.859	347,973	-
Biomedical Research and Research Training	R35GM142547	93.859	353,220	-

**Yale University**  
**Schedule of Expenditures of Federal Awards**  
**Year Ended June 30, 2024**

<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<u>Federal Assistance Listing Number</u>	<u>Expenditures</u>	<u>Subrecipient Expenditures</u>
I. Research and Development Cluster				
Department of Health & Human Services				
Direct: (Continued)				
Biomedical Research and Research Training	2R01GM110243	93.859	\$ 360,733	\$ 57,390
Biomedical Research and Research Training	R35GM148260	93.859	368,309	-
Biomedical Research and Research Training	1DP2GM154014	93.859	369,667	-
Biomedical Research and Research Training	1R01GM135331-01A1	93.859	371,300	-
Biomedical Research and Research Training	R01GM123798	93.859	372,775	-
Biomedical Research and Research Training	R35GM150648	93.859	373,810	-
Biomedical Research and Research Training	2R01GM073857	93.859	374,118	268,320
Biomedical Research and Research Training	R35GM137956-02	93.859	374,593	-
Biomedical Research and Research Training	2R01GM123011	93.859	382,776	-
Biomedical Research and Research Training	1R35GM142825	93.859	387,823	-
Biomedical Research and Research Training	1R35GM146919-01	93.859	388,297	-
Biomedical Research and Research Training	2R01GM112766	93.859	391,765	-
Biomedical Research and Research Training	1R35GM131776	93.859	401,288	-
Biomedical Research and Research Training	1R35GM147039	93.859	403,210	-
Biomedical Research and Research Training	1R35GM149293	93.859	408,350	-
Biomedical Research and Research Training	R35GM143072-01	93.859	409,073	-
Biomedical Research and Research Training	1R01GM140735	93.859	415,215	-
Biomedical Research and Research Training	R01GM138856	93.859	418,644	265,627
Biomedical Research and Research Training	1R35GM146725-01	93.859	428,566	-
Biomedical Research and Research Training	3R35GM133573-05S1	93.859	430,975	-
Biomedical Research and Research Training	2R01GM065313	93.859	431,265	-
Biomedical Research and Research Training	1R35GM137952	93.859	432,928	-
Biomedical Research and Research Training	5R01GM134005-02	93.859	434,468	126,539
Biomedical Research and Research Training	1R35GM131714	93.859	438,068	-
Biomedical Research and Research Training	1T32GM149444	93.859	439,447	-
Biomedical Research and Research Training	R01GM137068	93.859	439,636	-
Biomedical Research and Research Training	R25GM114000	93.859	441,839	180,809
Biomedical Research and Research Training	1R01GM146147	93.859	442,506	187,385
Biomedical Research and Research Training	1T32GM145469	93.859	442,577	-
Biomedical Research and Research Training	R35GM142959	93.859	445,442	-
Biomedical Research and Research Training	1R01GM141192-01	93.859	449,203	-
Biomedical Research and Research Training	5R01GM131319	93.859	450,843	16,527
Biomedical Research and Research Training	R35GM138341	93.859	450,872	-
Biomedical Research and Research Training	R35GM147095	93.859	460,917	-
Biomedical Research and Research Training	1R35GM144105	93.859	470,433	-
Biomedical Research and Research Training	2R01GM118614-06A1	93.859	472,080	-
Biomedical Research and Research Training	R35GM150619	93.859	475,711	-
Biomedical Research and Research Training	R35GM150838	93.859	478,376	-
Biomedical Research and Research Training	R01CA240418	93.859	481,804	-
Biomedical Research and Research Training	2R01GM126211	93.859	485,559	-
Biomedical Research and Research Training	R35GM136656	93.859	491,366	-
Biomedical Research and Research Training	R35GM128661	93.859	496,059	-
Biomedical Research and Research Training	1R01GM140481	93.859	498,885	-
Biomedical Research and Research Training	R35GM131687	93.859	499,005	-
Biomedical Research and Research Training	2R01GM112781	93.859	499,638	-
Biomedical Research and Research Training	R35GM136346-01	93.859	512,033	-
Biomedical Research and Research Training	2R01GM115636-06A1	93.859	520,478	-

**Yale University**  
**Schedule of Expenditures of Federal Awards**  
**Year Ended June 30, 2024**

Federal Agency/Pass-Through Entity/Program Title	Direct / Pass-Through Number	Federal Assistance Listing		Subrecipient
		Number	Expenditures	Expenditures
I. Research and Development Cluster				
Department of Health & Human Services				
Direct: (Continued)				
Biomedical Research and Research Training	2R01GM100930	93.859	\$ 521,706	\$ -
Biomedical Research and Research Training	DGM137414A	93.859	533,385	-
Biomedical Research and Research Training	R01GM102262	93.859	537,362	-
Biomedical Research and Research Training	R01GM130847	93.859	537,851	219,352
Biomedical Research and Research Training	1R35GM142687	93.859	547,641	-
Biomedical Research and Research Training	1R01GM141350	93.859	572,687	-
Biomedical Research and Research Training	1T32GM148332	93.859	578,532	-
Biomedical Research and Research Training	R35GM128670	93.859	579,021	-
Biomedical Research and Research Training	R35GM122485	93.859	591,157	-
Biomedical Research and Research Training	R01GM151829	93.859	595,019	-
Biomedical Research and Research Training	1R35GM131715	93.859	611,889	-
Biomedical Research and Research Training	1R01GM146463	93.859	623,801	160,068
Biomedical Research and Research Training	5R35GM138185	93.859	629,630	-
Biomedical Research and Research Training	R01GM105672	93.859	651,343	-
Biomedical Research and Research Training	1R35GM142875	93.859	657,800	-
Biomedical Research and Research Training	1R35GM138299	93.859	665,849	-
Biomedical Research and Research Training	1R01GM151344	93.859	677,183	82,987
Biomedical Research and Research Training	1R35GM144096	93.859	699,021	-
Biomedical Research and Research Training	1R35GM141961	93.859	699,536	-
Biomedical Research and Research Training	1R35GM148348	93.859	706,850	-
Biomedical Research and Research Training	2R35GM122580	93.859	720,440	-
Biomedical Research and Research Training	2R35GM118159	93.859	731,939	-
Biomedical Research and Research Training	1R35GM132092	93.859	881,537	-
Biomedical Research and Research Training	1R35GM136325	93.859	920,596	-
Biomedical Research and Research Training	2R35GM122473	93.859	1,021,821	-
Biomedical Research and Research Training	1RM1GM141649	93.859	1,512,201	-
Biomedical Research and Research Training	1RM1GM149406	93.859	2,041,175	-
Biomedical Research and Research Training	T32GM136651	93.859	2,238,846	-
			53,698,950	1,823,228
Child Health and Human Development Extramural Research	K23HD098710	93.865	(11)	-
Child Health and Human Development Extramural Research	F31HD104443	93.865	12,460	-
Child Health and Human Development Extramural Research	2T32HD007149	93.865	13,645	-
Child Health and Human Development Extramural Research	1R21HD111764	93.865	18,353	-
Child Health and Human Development Extramural Research	1F31HD112117	93.865	21,723	-
Child Health and Human Development Extramural Research	F30HD111263	93.865	28,062	-
Child Health and Human Development Extramural Research	1F31HD107950	93.865	28,294	-
Child Health and Human Development Extramural Research	F31HD104415	93.865	28,359	-
Child Health and Human Development Extramural Research	1F31HD111285	93.865	28,718	-
Child Health and Human Development Extramural Research	1F30HD112087	93.865	29,170	-
Child Health and Human Development Extramural Research	1F30HD107932	93.865	32,966	-
Child Health and Human Development Extramural Research	2R01HD096745	93.865	41,539	-
Child Health and Human Development Extramural Research	R03HD103862	93.865	42,644	-
Child Health and Human Development Extramural Research	1R61HD114344	93.865	44,894	-
Child Health and Human Development Extramural Research	1F31HD109060	93.865	45,582	-
Child Health and Human Development Extramural Research	R03HD109641	93.865	46,606	16,980
Child Health and Human Development Extramural Research	F30HD106692	93.865	47,335	-
Child Health and Human Development Extramural Research	R01HD093608	93.865	54,210	-
Child Health and Human Development Extramural Research	R03HD100883	93.865	59,570	-
Child Health and Human Development Extramural Research	7R01HD088626	93.865	70,724	-
Child Health and Human Development Extramural Research	4R37HD042012	93.865	71,659	-
Child Health and Human Development Extramural Research	1F32HD111328	93.865	72,235	-
Child Health and Human Development Extramural Research	1K99HD105001	93.865	75,200	-
Child Health and Human Development Extramural Research	1F32HD106666	93.865	76,029	-
Child Health and Human Development Extramural Research	1F32HD108935	93.865	80,444	-

The accompanying notes are an integral part of this schedule

**Yale University**  
**Schedule of Expenditures of Federal Awards**  
**Year Ended June 30, 2024**

<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<u>Federal Assistance Listing Number</u>	<u>Expenditures</u>	<u>Subrecipient Expenditures</u>
I. Research and Development Cluster				
Department of Health & Human Services				
Direct: (Continued)				
Child Health and Human Development Extramural Research	7F32HD104542	93.865	\$ 80,699	\$ -
Child Health and Human Development Extramural Research	1R21HD110617	93.865	87,387	17,767
Child Health and Human Development Extramural Research	1R01HD100369	93.865	97,995	7,074
Child Health and Human Development Extramural Research	K99HD112607	93.865	101,249	-
Child Health and Human Development Extramural Research	1R03HD110741	93.865	105,231	59,331
Child Health and Human Development Extramural Research	K23HD109508	93.865	135,984	-
Child Health and Human Development Extramural Research	1R01HD109213	93.865	165,798	-
Child Health and Human Development Extramural Research	1R01HD092185	93.865	167,786	11,631
Child Health and Human Development Extramural Research	7R21HD103931	93.865	171,285	-
Child Health and Human Development Extramural Research	1K23HD107178	93.865	171,418	-
Child Health and Human Development Extramural Research	K23HD104907	93.865	174,476	-
Child Health and Human Development Extramural Research	1R21HD107609-01A1	93.865	193,465	103,146
Child Health and Human Development Extramural Research	1R21HD110110	93.865	211,345	36,181
Child Health and Human Development Extramural Research	R01HD103512	93.865	241,203	196,451
Child Health and Human Development Extramural Research	4R00HD101653	93.865	252,781	-
Child Health and Human Development Extramural Research	1R21HD110843	93.865	255,776	-
Child Health and Human Development Extramural Research	1R01HD110693	93.865	257,923	-
Child Health and Human Development Extramural Research	1R01HD103692-01	93.865	299,879	-
Child Health and Human Development Extramural Research	T32HD007149	93.865	315,165	-
Child Health and Human Development Extramural Research	1R01HD097368	93.865	318,092	-
Child Health and Human Development Extramural Research	5R01HD100563-02/3R01HD100563-02S1	93.865	323,431	50,970
Child Health and Human Development Extramural Research	1R01HD110583	93.865	328,186	130,349
Child Health and Human Development Extramural Research	2K12HD047018	93.865	342,735	-
Child Health and Human Development Extramural Research	4R00HD104924	93.865	361,206	-
Child Health and Human Development Extramural Research	1DP2HD108774-01	93.865	366,814	-
Child Health and Human Development Extramural Research	5R01HD100035	93.865	389,159	-
Child Health and Human Development Extramural Research	R01HD098128	93.865	403,116	-
Child Health and Human Development Extramural Research	R01HD096745	93.865	405,033	-
Child Health and Human Development Extramural Research	1R01HD108218	93.865	433,308	94,685
Child Health and Human Development Extramural Research	1DP2HD112040-01	93.865	463,956	-
Child Health and Human Development Extramural Research	1R01HD100468-01A1	93.865	474,041	38,151
Child Health and Human Development Extramural Research	1R01HD110059	93.865	568,021	-
Child Health and Human Development Extramural Research	R01HD102030	93.865	577,704	-
Child Health and Human Development Extramural Research	2R01HD053112	93.865	591,578	126,219
Child Health and Human Development Extramural Research	1R01HD109326	93.865	594,469	-
Child Health and Human Development Extramural Research	R01HD028016	93.865	596,156	-
Child Health and Human Development Extramural Research	2R01HD076248	93.865	601,182	-
Child Health and Human Development Extramural Research	1R01HD106359	93.865	639,325	385,899
Child Health and Human Development Extramural Research	1R01HD106326-01	93.865	641,014	270,441
Child Health and Human Development Extramural Research	7R01HD085853	93.865	643,644	516,440
Child Health and Human Development Extramural Research	5R01HD102186	93.865	677,135	-
Child Health and Human Development Extramural Research	R01HD100336	93.865	848,288	20,443
Child Health and Human Development Extramural Research	R01HD102537	93.865	917,446	178,178
Child Health and Human Development Extramural Research	1R01HD105267	93.865	1,278,194	174,043
			18,340,488	2,434,379
Aging Research	5P50AG047270-03	93.866	63	-
Aging Research	1R21AG074238-01	93.866	3,498	3,498
Aging Research	F30AG066371	93.866	7,850	-
Aging Research	1R21AG085366	93.866	9,416	-
Aging Research	7R01AG061811	93.866	11,767	-
Aging Research	1F31AG086008	93.866	19,210	-
Aging Research	1R03AG087416	93.866	20,920	-
Aging Research	1F31AG081110	93.866	25,591	-

The accompanying notes are an integral part of this schedule

**Yale University**  
**Schedule of Expenditures of Federal Awards**  
**Year Ended June 30, 2024**

<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<b>Federal Assistance Listing</b> <u>Number</u>	<u>Expenditures</u>	<b>Subrecipient</b> <u>Expenditures</u>
I. Research and Development Cluster				
Department of Health & Human Services				
Direct: (Continued)				
Aging Research	F30AG074629	93.866	\$ 29,340	\$ -
Aging Research	1F31AG069490-01A1	93.866	31,204	-
Aging Research	R03AG073988	93.866	38,303	-
Aging Research	F31AG079606	93.866	39,473	-
Aging Research	7R21AG070714	93.866	41,261	-
Aging Research	1K76AG059987	93.866	45,347	-
Aging Research	R01AG056628	93.866	47,565	5,992
Aging Research	5R25ES029052	93.866	55,342	-
Aging Research	R03AG074067-01	93.866	74,472	-
Aging Research	4R01AG068191	93.866	75,230	-
Aging Research	T35AG049685	93.866	77,789	-
Aging Research	7R01AG061445	93.866	78,218	-
Aging Research	R21AG079145	93.866	79,369	-
Aging Research	1K99AG078503	93.866	89,556	-
Aging Research	5R01AG062276-03	93.866	94,636	-
Aging Research	K99AG083129	93.866	97,885	-
Aging Research	R21AG076239	93.866	101,965	-
Aging Research	1R56AG076681-01	93.866	103,135	-
Aging Research	1R21AG075778-01	93.866	109,200	-
Aging Research	1R03AG074063	93.866	115,571	-
Aging Research	1R01AG062210-01	93.866	123,538	-
Aging Research	5P30AG021342-20	93.866	135,965	67,451
Aging Research	R56AG071201	93.866	140,122	-
Aging Research	1R21AG072961-01	93.866	158,554	11,811
Aging Research	5R01AG073177-02	93.866	162,320	-
Aging Research	R03AG073991	93.866	163,450	-
Aging Research	K23AG059919	93.866	164,069	-
Aging Research	1R03AG078942	93.866	165,737	74,899
Aging Research	1R01AG060084	93.866	174,565	-
Aging Research	K01AG078126	93.866	176,985	-
Aging Research	1R01AG057912	93.866	180,890	29,470
Aging Research	4R01AG070926	93.866	189,719	-
Aging Research	1R56AG079086-01	93.866	207,248	-
Aging Research	R33AG058926	93.866	210,193	219,453
Aging Research	4R01AG071587	93.866	216,625	-
Aging Research	R01AG080439	93.866	224,366	55,714
Aging Research	K76AG074905	93.866	253,022	-
Aging Research	7R01AG076153	93.866	269,956	-
Aging Research	1R01AG058565	93.866	272,487	(5,180)
Aging Research	RF1AG081413	93.866	292,238	119,907
Aging Research	1K76AG064548	93.866	307,600	-
Aging Research	3R33AG069822	93.866	310,098	309,495
Aging Research	T32AG019134	93.866	327,014	-
Aging Research	5R01AG056728	93.866	328,117	-

**Yale University**  
**Schedule of Expenditures of Federal Awards**  
**Year Ended June 30, 2024**

<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<u>Federal Assistance Listing Number</u>	<u>Expenditures</u>	<u>Subrecipient Expenditures</u>
I. Research and Development Cluster				
Department of Health & Human Services				
Direct: (Continued)				
Aging Research	1RF1AG082216	93.866	\$ 358,293	\$ -
Aiqna Research	RF1AG071587	93.866	359,077	-
Aiqna Research	7R01AG075820	93.866	365,112	-
Aging Research	7RF1AG072799	93.866	367,286	286,996
Aging Research	R01AG069921	93.866	368,695	-
Aging Research	2R01AG017560	93.866	378,501	-
Aging Research	5P30AG066508-05	93.866	404,923	-
Aging Research	R01AG081814	93.866	424,615	-
Aging Research	R01AG061190	93.866	453,566	-
Aging Research	2R01AG056628	93.866	467,573	37,575
Aiqna Research	R01AG066165	93.866	480,290	-
Aiqna Research	R01AG065403	93.866	502,471	292,671
Aging Research	R01AG068285	93.866	505,212	-
Aging Research	5R01AG066447-05	93.866	523,064	-
Aging Research	RF1AG083090	93.866	546,742	-
Aging Research	5R01AG068863	93.866	550,100	-
Aging Research	1R01AG078926	93.866	563,155	-
Aging Research	1R01AG071528	93.866	584,274	306,844
Aiqna Research	1R01AG077529	93.866	598,314	-
Aiqna Research	R01AG065917	93.866	602,834	276,761
Aging Research	5DP1AG066590	93.866	610,661	-
Aging Research	1R01AG062668	93.866	640,803	-
Aging Research	1R01AG067329	93.866	641,936	-
Aging Research	1R01AG076782	93.866	644,492	-
Aging Research	R01AG076154	93.866	665,067	-
Aging Research	R01AG065474	93.866	692,587	-
Aiqna Research	1RF1AG080948	93.866	701,056	359,988
Aiqna Research	1R01AG073969	93.866	723,236	76,551
Aging Research	R01AG079916	93.866	738,117	34,231
Aging Research	1RF1AG082190	93.866	761,733	-
Aging Research	R01AG080587	93.866	761,757	-
Aging Research	RF1AG068191-01A1	93.866	798,791	251,548
Aging Research	RF1AG070926	93.866	802,188	-
Aging Research	1R01AG074657	93.866	808,988	-
Aging Research	R01AG067533	93.866	809,864	100,505
Aiqna Research	R01AG076681	93.866	840,241	-
Aiqna Research	R56AG074015	93.866	872,255	-
Aging Research	R01AG074609	93.866	1,013,480	-
Aging Research	5R01AG073177	93.866	1,014,933	-
Aging Research	R01AG034924	93.866	1,083,002	-
Aging Research	U01AG058608	93.866	1,377,034	-
Aging Research	2P30AG021342	93.866	1,568,492	-
Aging Research	P30AG066508	93.866	2,781,506	-
Aiqna Research	1RF1AG074341	93.866	2,919,149	-
Aiqna Research	2P01AG051459	93.866	3,258,066	1,012,086
			43,611,585	3,928,266
Vision Research	2T32EY022312-08	93.867	(1,206)	-
Vision Research	1R01EY029323-01	93.867	7,068	4,573
Vision Research	F30EY032338	93.867	28,987	-
Vision Research	1F31EY035937	93.867	30,890	-
Vision Research	1F30EY034380	93.867	31,643	-
Vision Research	1R21EY036254	93.867	38,681	-
Vision Research	1F31EY034776	93.867	40,893	-
Vision Research	F32EY032389	93.867	51,319	-
Vision Research	K99EY035344	93.867	70,479	-

The accompanying notes are an integral part of this schedule

**Yale University**  
**Schedule of Expenditures of Federal Awards**  
**Year Ended June 30, 2024**

<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<u>Federal Assistance Listing Number</u>	<u>Expenditures</u>	<u>Subrecipient Expenditures</u>
I. Research and Development Cluster				
Department of Health & Human Services				
Direct: (Continued)				
Vision Research	1K08EY033013	93.867	\$ 139,157	\$ -
Vision Research	2R01EY026065	93.867	147,170	-
Vision Research	R01EY014454	93.867	164,121	41,372
Vision Research	1R21EY031512-01A1	93.867	164,635	22,369
Vision Research	1R21EY035090	93.867	215,810	-
Vision Research	1R01EY034003	93.867	217,950	-
Vision Research	K23EY030530	93.867	259,595	-
Vision Research	R01EY035127	93.867	319,830	-
Vision Research	1R01EY034697	93.867	320,830	-
Vision Research	1R01EY030854-01A1	93.867	360,935	-
Vision Research	1R01EY034605	93.867	365,758	-
Vision Research	2R01EY026555	93.867	399,311	-
Vision Research	1R01EY034652	93.867	407,947	-
Vision Research	R01EY031751	93.867	416,083	30,752
Vision Research	1R01EY032555-01A1	93.867	420,825	-
Vision Research	1R01EY033333-01A1	93.867	455,092	-
Vision Research	2R01EY022951	93.867	503,061	-
Vision Research	2R01EY015788	93.867	526,387	-
Vision Research	5R01EY032396-02	93.867	542,370	225,271
Vision Research	R01EY034234	93.867	574,513	-
Vision Research	P30EY026878	93.867	696,864	-
Vision Research	DP1EY033975	93.867	1,282,327	-
			9,199,325	324,337
Medical Library Assistance	7K99LM014024	93.879	64,337	-
Medical Library Assistance	1G08LM013801	93.879	184,055	-
Medical Library Assistance	1R01LM014087	93.879	380,594	-
Medical Library Assistance	1R01LM013477-01	93.879	453,397	187,780
Medical Library Assistance	7R01LM013712	93.879	611,407	266,137
Medical Library Assistance	2T15LM007056	93.879	703,865	-
			2,397,655	453,917
Special Projects of National Significance	U90HA39341	93.928	180,056	13,209
			180,056	13,209
International Research and Research Training	2D43TW009607	93.989	42,223	16,044
International Research and Research Training	R01TW012674	93.989	60,671	-
International Research and Research Training	D43TW012507	93.989	63,505	19,728
International Research and Research Training	1D43TW012262	93.989	80,552	46,162
International Research and Research Training	D43TW011526	93.989	109,957	89,521
International Research and Research Training	1K01TW011194	93.989	130,616	-
International Research and Research Training	1D43TW012492	93.989	233,714	106,673
International Research and Research Training	R33TW011663	93.989	246,200	29,091
International Research and Research Training	1D43TW011324	93.989	269,090	43,617
International Research and Research Training	1U2RTW012231	93.989	400,639	219,264
International Research and Research Training	1D43TW012202	93.989	541,149	296,774
International Research and Research Training	2D43TW010540	93.989	1,213,391	522,479
			3,391,707	1,389,353
Subtotal - Department of Health & Human Services - Direct			657,826,285	110,803,020

**Yale University**  
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<u>Federal Agency/Pass-Through Entity/Program Title</u>		<u>Direct / Pass-Through Number</u>	<u>Federal Assistance Listing Number</u>	<u>Expenditures</u>	<u>Subrecipient Expenditures</u>
<b>I. Research and Development Cluster</b>					
<b>Department of Health &amp; Human Services</b>					
<b>Pass-through</b>					
	Children's Hospital Corporation, (formerly CHB) - Department Of Health And Human Services	GENFD0001939647	93.RD	\$ (1,140)	\$ -
	Emergency Medicine Foundation - Department Of Health And Human Services	GEAR 2.0 EMF	93.RD	1	-
	University of Pennsylvania - Department Of Health And Human Services	582741/ RIS#35520 \ 587995	93.RD	477	-
	Vanderbilt University Medical Center - Department Of Health And Human Services	VUMC106413	93.RD	1,644	-
	Parabon NanoLabs, Inc. - Department Of Health And Human Services	20240205-Yale-092-CRISPR-SBIRI-001	93.RD	2,319	-
	University of Pittsburgh - Department Of Health And Human Services	CNVA00056666 (413614-26)	93.RD	2,395	-
	Brigham and Women's Hospital - Department Of Health And Human Services	120077	93.RD	3,201	-
COVID-19	Sloan-Kettering Institute for Cancer Research - Department Of Health And Human Services	Req. 2000271 - PTE 1U91A171399-01	93.RD	10,024	-
	Tempus Labs - Department Of Health And Human Services	20201021	93.RD	11,059	-
	Oregon Health Sciences University - Department Of Health And Human Services	1004086-001 YALE	93.RD	11,878	-
	University of Tennessee Health Science Center - Department Of Health And Human Services	23-3734-YALE	93.RD	12,316	-
	Regents of the University of Michigan - Department Of Health And Human Services	SUBK00017593	93.RD	14,361	-
	Oregon Health Sciences University - Department Of Health And Human Services	1004086-001 Yale S1900G	93.RD	15,000	-
	Boston University - Department Of Health And Human Services	HIV-ComRT	93.RD	23,719	-
	Massachusetts General Hospital - Department Of Health And Human Services	242018	93.RD	27,199	-
	Public Health Institute - Department Of Health And Human Services	PBI 05152021	93.RD	28,528	-
	Icahn School of Medicine at Mount Sinai (ISMMS) - Department Of Health And Human Services	0258-A473-4609	93.RD	29,951	-
	Massachusetts General Hospital - Department Of Health And Human Services	237496	93.RD	32,706	-
	University of Utah - Department Of Health And Human Services	10065912-01-Yale	93.RD	35,374	-
	Eiqen - Department Of Health And Human Services	R42CA224888	93.RD	37,206	-
	Salk Institute for Biological Studies - Department Of Health And Human Services	18-0061-S002	93.RD	37,998	-
COVID-19	City of New Haven - Department Of Health And Human Services	A21-2370	93.RD	39,078	-
	University of Connecticut - Department Of Health And Human Services	448937	93.RD	42,244	-
	University of Texas Health Science at Houston - Department Of Health And Human Services	SA0004270	93.RD	44,532	-
	BC Cancer Research Institute - Department Of Health And Human Services	2023-0538	93.RD	49,060	-
	Stanford University - Department Of Health And Human Services	63377517-26345	93.RD	49,300	-
	University of California, Los Angeles (UCLA) - Department Of Health And Human Services	2000 G YD004	93.RD	49,790	-
	Leidos Biomedical Research, Inc. (formerly SAIC-Frederick) -	24X010	93.RD	52,616	-
	University of Pennsylvania - Department Of Health And Human Services	78096	93.RD	53,831	-
	Stanford University - Department Of Health And Human Services	63217654-272590	93.RD	58,131	-
	University of Miami - Department Of Health And Human Services	0S00001119	93.RD	62,968	-
	New York University - Department Of Health And Human Services	24-A0-S1-1011311	93.RD	65,051	-
COVID-19	HealthPartners Institute For Education & Research - Department Of Health And Human Services	X2024200 - Yale	93.RD	67,309	-
	Public Health Institute - Department Of Health And Human Services	PBI 03012021	93.RD	67,788	-
	Stanford University - Department Of Health And Human Services	63217654-272590	93.RD	71,003	-

**Yale University**  
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I. Research and Development Cluster				
Department of Health & Human Services				
Pass-through: (Continued)				
COVID-19 Sloan-Kettering Institute for Cancer Research - Department Of Health And Human Services	Req. 2000271 - PTE 1U91AI171399-01	93.RD	\$ 81,384	\$ -
Boston University - Department Of Health And Human Services	4500004633	93.RD	83,657	-
Vanderbilt University Medical Center - Department Of Health And Human Services	VUMC 110731	93.RD	97,116	-
University of Washington, Seattle - Department Of Health And Human Services	UWSC10520	93.RD	97,495	-
Dartmouth College - Department Of Health And Human Services	R1399	93.RD	128,262	-
University of Miami - Department Of Health And Human Services	0S00001493	93.RD	132,156	-
ENRICH BIOSYSTEMS INC. - Small Business Innovation Research	75N91022C0061	93.RD	132,431	-
COVID-19 Rush University Medical Center - Department Of Health And Human Services	20042803-Sub01	93.RD	134,121	-
Stanford University - Department Of Health And Human Services	63217654-272590	93.RD	142,065	-
Washington University in St. Louis - Department Of Health And Human Services	WU-21-0449	93.RD	161,233	-
Emory University - Department Of Health And Human Services	A305103	93.RD	165,342	-
Icahn School of Medicine at Mount Sinai (ISMMS) - Department Of Health And Human Services	0258-A457-4609	93.RD	181,707	-
BC Cancer Research Institute - Department Of Health And Human Services	2024-0342	93.RD	184,567	-
The University of Sciences, Techniques and Technologies of Bamako (USTTB) - Dept Of Health And Human Services	USTT - YU - 003 / R01NS118522	93.RD	219,004	-
Connecticut Dept. of Mental Health and Addiction Services - Department Of Health And Human Services	23MHA6092	93.RD	289,327	-
University of California, San Diego - Department Of Health And Human Services	705794	93.RD	338,187	-
Icahn School of Medicine at Mount Sinai (ISMMS) - Department Of Health And Human Services	0258-B457-4609	93.RD	347,272	-
Vanderbilt University Medical Center - Department Of Health And Human Services	VUMC106413	93.RD	378,900	-
COVID-19 Rush University Medical Center - Department Of Health And Human Services	20042803-Sub01	93.RD	594,668	-
COVID-19 Philips Healthcare - Department Of Health And Human Services	75A50120C000097-2	93.RD	650,736	-
University of California, San Diego - Department Of Health And Human Services	KR 705551	93.RD	1,117,128	307,235
Emory University - Department Of Health And Human Services	A900625	93.RD	1,137,819	-
			<u>7,903,494</u>	<u>307,235</u>
Regents of the University of Michigan - Family Smoking Prevention and Tobacco Control Act Regulatory Research	SUBK00007978	93.077	94,906	-
American University of Beirut - Family Smoking Prevention and Tobacco Control Act Regulatory Research	104211-Subcontract1-Yale	93.077	113,849	-
American University of Beirut - Family Smoking Prevention and Tobacco Control Act Regulatory Research	104211-Subcontract1-Yale	93.077	132,644	-
			<u>341,399</u>	-
Children's Hospital Corporation, (formerly CHB) - Blood Disorder Program: Prevention, Surveillance, and Research	GENFD0002095154/GENFD0002269888	93.080	3,977	-
Children's Hospital Corporation, (formerly CHB) - Blood Disorder Program: Prevention, Surveillance, and Research	GENFD0002269888	93.080	13,984	-
			<u>17,961</u>	-
Massachusetts Department of Public Health - Prevention of Disease, Disability, and Death by Infectious Diseases	INTF5104H78W22195350	93.084	661,445	-
			<u>661,445</u>	-
University of Arizona - Environmental Health	579610	93.113	26,857	-
Emory University - Environmental Health	A014068	93.113	34,136	-
University of Nebraska Medical Center - Environmental Health	34-1905-2279-301	93.113	36,092	-
Washington University in St. Louis - Environmental Health	WU-23-0302	93.113	76,793	-
University of California, Berkeley - Environmental Health	00010812	93.113	202,140	-
			<u>376,018</u>	-

**Yale University**  
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<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<u>Federal Assistance Listing Number</u>	<u>Expenditures</u>	<u>Subrecipient Expenditures</u>
<b>I. Research and Development Cluster</b>				
<b>Department of Health &amp; Human Services</b>				
<b>Pass-through: (Continued)</b>				
University of North Carolina - Oral Diseases and Disorders Research	5113679	93.121	\$ 150,258	\$ -
			<u>150,258</u>	<u>-</u>
University of California, Davis - Emergency Medical Services for Children	A20-1236-S002	93.127	366	-
University of Texas at Austin - Emergency Medical Services for Children	UTA20-000621	93.127	529,450	148,016
			<u>529,816</u>	<u>148,016</u>
Johns Hopkins University - Injury Prevention and Control Research and State and Community Based Programs	2006127607	93.136	10,448	-
Brown University - Injury Prevention and Control Research and State and Community Based Programs	00002481	93.136	24,044	-
			<u>34,492</u>	<u>-</u>
Harvard School of Public Health - NIEHS Superfund Hazardous Substances Basic Research and Education	113146-5111923	93.143	10,122	-
Harvard School of Public Health - NIEHS Superfund Hazardous Substances Basic Research and Education	113146-5111923	93.143	10,500	-
Harvard School of Public Health - NIEHS Superfund Hazardous Substances Basic Research and Education	113146-5111852	93.143	36,045	-
Harvard School of Public Health - NIEHS Superfund Hazardous Substances Basic Research and Education	113146-5111852	93.143	63,282	-
University of Louisville Research Fdn, Inc - NIEHS Superfund Hazardous Substances Basic Research and Education	ULRF-21-0642J2-01	93.143	256,833	-
			<u>376,782</u>	<u>-</u>
University of Massachusetts, Worcester - HIV-Related Training and Technical Assistance	OSP29994-08	93.145	4,285	-
University of Massachusetts, Worcester - HIV-Related Training and Technical Assistance	OSP29994-08	93.145	361,699	-
			<u>365,984</u>	<u>-</u>
Oregon Health Sciences University - Human Genome Research	1020958 YALE	93.172	1,144	-
Oregon Health Sciences University - Human Genome Research	1020958 YALE	93.172	6,431	-
Jackson Laboratory - Human Genome Research	210368-0224-09	93.172	10,116	-
Stanford University - Human Genome Research	62690935-208880	93.172	26,473	-
University of California, Santa Cruz - Human Genome Research	A20-0450-S007	93.172	44,458	-
Jackson Laboratory - Human Genome Research	210354-0824-07	93.172	46,637	-
Washington University in St. Louis - Human Genome Research	WU-23-0290	93.172	50,735	-
Massachusetts Institute of Technology (MIT) - Human Genome Research	s6377, PO #1081001	93.172	52,763	-
Jackson Laboratory - Human Genome Research	210314-0523-02	93.172	81,001	-
The Trustees of Columbia University in the City of New York - Human Genome Research	1(GG008363-01)	93.172	113,405	-
Northeastern University - Human Genome Research	500694-78050	93.172	127,263	-
European Bioinformatics Institute - EMBL-EBI - Human Genome Research	Yale-4559-02	93.172	266,173	-
Stanford University - Human Genome Research	62690935-208880	93.172	311,725	-
Washington University in St. Louis - Human Genome Research	WU-24-0190	93.172	343,000	-
Oregon Health Sciences University - Human Genome Research	1020958 YALE	93.172	648,805	-
			<u>2,130,129</u>	<u>-</u>
Sacred Heart University - Research Related to Deafness and Communication Disorders	21-62138-21-116	93.173	6,891	-
The Trustees of Columbia University in the City of NY - Research Related to Deafness and Communication Disorders	5(GG015069-03)	93.173	43,611	-
Columbia University - Research Related to Deafness and Communication Disorders	2(GG015069-01)	93.173	129,134	-
			<u>179,636</u>	<u>-</u>
University of Texas at Austin - Immunization Research, Demonstration, Public Information and Education_Training and Clinical Skills Improvement Projects	UTA20-000942 PARENT 26220280	93.185	118,508	-
			<u>118,508</u>	<u>-</u>
University of Connecticut - Research and Training in Complementary and Integrative Health	178539054	93.213	1,352	-
Emory University - Research and Training in Complementary and Integrative Health	A955680	93.213	15,353	-
Northern California Institute for Research & Education - Research and Training in Complementary & Integrative Health	SEAL2242-01	93.213	20,508	10,435

The accompanying notes are an integral part of this schedule

**Yale University**  
**Schedule of Expenditures of Federal Awards**  
**Year Ended June 30, 2024**

Federal Agency/Pass-Through Entity/Program Title	Direct / Pass-Through Number	Federal Assistance Listing	Expenditures	Subrecipient Expenditures
		Number		
I. Research and Development Cluster				
Department of Health & Human Services				
Pass-through: (Continued)				
Brigham and Women's Hospital - Research and Training in Complementary and Integrative Health	1R01AT012228-01	93.213	\$ 31,136	\$ -
Northern California Institute for Research & Education - Research and Training in Complementary and Integrative Health	SEAL2242-01	93.213	79,409	27,435
University of Alabama at Birmingham - Research and Training in Complementary and Integrative Health	000536962-SC002	93.213	130,130	-
Brigham and Women's Hospital - Research and Training in Complementary and Integrative Health	129585	93.213	148,063	-
Palmer College Foundation - Research and Training in Complementary and Integrative Health	12274	93.213	344,967	-
			770,918	37,870
Johns Hopkins University - Research on Healthcare Costs, Quality and Outcomes	2004987469	93.226	1,865	-
Regents of the University of Michigan - Research on Healthcare Costs, Quality and Outcomes	SUBK00018211	93.226	3,524	-
New York University School of Medicine - Research on Healthcare Costs, Quality and Outcomes	19-A0-00-003674	93.226	14,656	-
Johns Hopkins University - Research on Healthcare Costs, Quality and Outcomes	2004987469	93.226	16,516	-
Northwestern University - Research on Healthcare Costs, Quality and Outcomes	60065785 YALE	93.226	20,578	-
The Trustees of Columbia University in the City of New York - Research on Healthcare Costs, Quality and Outcomes	1(GG019102-01)	93.226	86,808	-
Regents of the University of Michigan - Research on Healthcare Costs, Quality and Outcomes	SUBK00018709	93.226	97,410	-
Regents of the University of Michigan - Research on Healthcare Costs, Quality and Outcomes	SUBK00018211	93.226	136,844	-
New York University School of Medicine - Research on Healthcare Costs, Quality and Outcomes	19-A0-00-003674	93.226	189,472	-
Massachusetts General Hospital - Research on Healthcare Costs, Quality and Outcomes	242018	93.226	311,636	-
			879,309	-
University of Southern California - National Center on Sleep Disorders Research	SCON-00005749	93.233	40,637	-
New York University - National Center on Sleep Disorders Research	21-A0-00-1006478/Project #118604	93.233	113,887	-
Case Western Reserve University - National Center on Sleep Disorders Research	RES601941	93.233	165,017	-
			319,541	-
Hartford Hospital - Mental Health Research Grants	126379-Y	93.242	(25,581)	-
Icahn School of Medicine at Mount Sinai (ISMMS) - Mental Health Research Grants	0255-C272-4609	93.242	(9)	-
Regents University of California, San Francisco - Mental Health Research Grants	13997sc	93.242	2,562	-
Regents University of California, San Francisco - Mental Health Research Grants	13997sc	93.242	3,630	-
George Washington University - Mental Health Research Grants	21-M80	93.242	3,963	-
Research Foundation of State University of New York (SUNY) - Mental Health Research Grants	100-1160744-87896	93.242	4,087	-
Regents University of California, San Francisco - Mental Health Research Grants	10936sc	93.242	5,026	-
University of Washington, Seattle -	1R01AT012228-01	93.242	6,885	-
University of Vermont - Mental Health Research Grants	34337SUB00000223	93.242	7,058	-
University of Iowa - Mental Health Research Grants	S02816-01	93.242	7,339	-
Icahn School of Medicine at Mount Sinai (ISMMS) - Mental Health Research Grants	0255-F662-4609	93.242	8,236	-
Johns Hopkins University - Mental Health Research Grants	2004870606	93.242	9,556	-
University of North Carolina - Mental Health Research Grants	5131110	93.242	10,115	-
University of Maryland - Mental Health Research Grants	97339-Z0315202	93.242	11,577	-
University of California, Los Angeles (UCLA) - Mental Health Research Grants	2000 G WF250	93.242	12,115	-
University of Arizona - Mental Health Research Grants	755175	93.242	13,623	-
George Washington University - Mental Health Research Grants	23--M76	93.242	13,765	-
University of Massachusetts Medical School - Mental Health Research Grants	SUB000000215	93.242	13,817	-
University of North Carolina -	1R01MH136149-01	93.242	14,979	-
The Florida International University Board of Trustees - Mental Health Research Grants	000639	93.242	18,180	-
Hartford Hospital - Mental Health Research Grants	126379-Y33	93.242	20,229	-
Hartford Hospital - Mental Health Research Grants	126370-Y1	93.242	20,338	-
Boston University - Mental Health Research Grants	4500003636	93.242	22,146	-
Ohio State University - Mental Health Research Grants	SPC-1000012398   GR133185	93.242	23,770	-
Icahn School of Medicine at Mount Sinai (ISMMS) - Mental Health Research Grants	0255-E822-4609	93.242	25,548	-
University of Maryland at Baltimore - Mental Health Research Grants	21688	93.242	26,289	-
Icahn School of Medicine at Mount Sinai (ISMMS) - Mental Health Research Grants	0255-E822-4609	93.242	27,073	-
University of Connecticut - Mental Health Research Grants	180247552	93.242	28,765	-
Cornell University - Mental Health Research Grants	144729-21932	93.242	30,289	-
Florida International University - Mental Health Research Grants	000335	93.242	31,731	-
Jackson (Henry M.) Foundation - Mental Health Research Grants	PO 1067987-6213-67295	93.242	32,343	-
Washington University in St. Louis - Mental Health Research Grants	WU-23-0368	93.242	39,906	-
Rutgers (the State University of New Jersey) - Mental Health Research Grants	0459	93.242	44,928	-
Hartford Hospital - Mental Health Research Grants	126401-Y	93.242	49,972	-
Icahn School of Medicine at Mount Sinai (ISMMS) - Mental Health Research Grants	0255-G801-4609	93.242	52,377	-

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		Number	Expenditures	Expenditures	
I. Research and Development Cluster					
Department of Health & Human Services					
Pass-through: (Continued)					
University of New Mexico - Mental Health Research Grants	3RNY7	93.242	\$ 54,937	\$ -	-
Hartford Hospital - Mental Health Research Grants	126360-Y1	93.242	55,336	-	-
Johns Hopkins University - Mental Health Research Grants	2005239823	93.242	60,164	-	-
University of Connecticut - Mental Health Research Grants	164529756/KFS# 5674560	93.242	62,544	-	-
University of Pennsylvania - Mental Health Research Grants	583167	93.242	63,525	-	-
Georgia State University Research Foundation - Mental Health Research Grants	SP00015049-02	93.242	63,729	-	-
Mayo Clinic of Rochester - Mental Health Research Grants	YAL-322349-01	93.242	65,522	-	-
University of North Carolina - Mental Health Research Grants	5127809	93.242	69,020	-	-
Board of Regents of the Univ of Wisconsin System on Behalf of the Univ of Wisconsin - Mental Health Research Grants	3541	93.242	87,164	-	-
New York Genome Center, Inc. - Mental Health Research Grants	2021-0050-Yale-01	93.242	87,861	-	-
University of Massachusetts - Mental Health Research Grants	SUB00000480	93.242	95,842	-	-
Icahn School of Medicine at Mount Sinai (ISMMS) - Mental Health Research Grants	0255-8053-4609	93.242	97,468	-	-
Columbia University - Mental Health Research Grants	2(GG014816-01)	93.242	99,160	-	-
Northwestern University - Mental Health Research Grants	60066245 Yale	93.242	108,920	-	-
Duke University - Mental Health Research Grants	A034583	93.242	115,049	-	-
University of California, San Diego - Mental Health Research Grants	KR 704696	93.242	116,777	-	-
University of Pennsylvania - Mental Health Research Grants	587318	93.242	123,232	-	-
Columbia University - Mental Health Research Grants	1(GG015103-01)	93.242	134,731	-	-
Icahn School of Medicine at Mount Sinai (ISMMS) - Mental Health Research Grants	0255-E532-4609	93.242	140,950	-	-
Research Foundation of State University of New York (SUNY) - Mental Health Research Grants	100-1181791-97169	93.242	144,296	-	-
The Trustees of Columbia University in the City of New York - Mental Health Research Grants	1(GG017773-01)	93.242	162,126	-	-
COVID-19	Regents University of California, San Francisco - Mental Health Research Grants	14213sc	93.242	175,250	-
	Children's Hospital of Philadelphia (The) - Mental Health Research Grants	20412544/GRT-00002437	93.242	178,487	-
	University of Pennsylvania - Mental Health Research Grants	583978	93.242	181,096	-
	Research Foundation of State University of New York (SUNY) - Mental Health Research Grants	100-1087883-91809	93.242	187,915	-
	University of Texas Health Science at Houston - Mental Health Research Grants	SA0003699	93.242	219,364	-
	Indiana University - Mental Health Research Grants	8818-YU	93.242	223,354	-
	University of Massachusetts - Mental Health Research Grants	OSP2018096	93.242	266,471	-
	Feinstein Institute for Medical Research (The) - Mental Health Research Grants	AWD00001140-YU	93.242	333,232	-
	Weill Medical College of Cornell University - Mental Health Research Grants	227961	93.242	473,152	-
	Icahn School of Medicine at Mount Sinai (ISMMS) - Mental Health Research Grants	0255-F381-4609	93.242	486,958	-
	Florida International University - Mental Health Research Grants	800010268-01	93.242	496,198	-
	University of Virginia - Mental Health Research Grants	GR100562.SUB00000198	93.242	550,945	-
	Icahn School of Medicine at Mount Sinai (ISMMS) - Mental Health Research Grants	0255-C271-4609	93.242	640,675	-
	Regents University of California, San Francisco - Mental Health Research Grants	13997sc	93.242	1,595,806	-
				8,633,883	-
	American Academy of Addiction Psychiatry - Substance Abuse and Mental Health Services_Projects of Regional and National Significance	MFG-2022-4	93.243	99,705	-
	American Academy of Addiction Psychiatry - Substance Abuse and Mental Health Services_Projects of Regional and National Significance	MFG-2022-3	93.243	103,993	-
	American Academy of Addiction Psychiatry - Substance Abuse and Mental Health Services_Projects of Regional and National Significance	MFG-2022-5	93.243	104,000	-
			307,698	-	
The University of Memphis - Alcohol Research Programs	A24-0051-S001	93.273	6,747	-	
University of California, Irvine - Alcohol Research Programs	2022-1779	93.273	11,962	-	
Syracuse University - Alcohol Research Programs	30505-05408-S01	93.273	17,114	-	
University of Louisville Research Fdn, Inc - Alcohol Research Programs	ULRF 21-0656-01	93.273	21,613	-	
Vanderbilt University Medical Center - Alcohol Research Programs	VUMC95888	93.273	27,387	-	
University of Pittsburgh - Alcohol Research Programs	AWD00007751 (139333-1)	93.273	30,524	-	
The Trustees of Columbia University in the City of New York - Alcohol Research Programs	2(GG016144-01)	93.273	37,356	-	
TheraNova, LLC - Alcohol Research Programs	TNV27188-02C	93.273	52,797	-	
Virginia Commonwealth University - Alcohol Research Programs	FP00009867 SA003	93.273	62,546	-	
Mayo Clinic of Rochester - Alcohol Research Programs	YAL-243530-04	93.273	65,682	-	
New York University School of Medicine - Alcohol Research Programs	19-A1-00-1001516/112563	93.273	79,536	-	
New York University School of Medicine - Alcohol Research Programs	19-A0-00-1002752	93.273	97,786	-	
Jackson (Henry M.) Foundation - Alcohol Research Programs	5943	93.273	141,424	-	

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**Yale University**  
**Schedule of Expenditures of Federal Awards**  
**Year Ended June 30, 2024**

Federal Agency/Pass-Through Entity/Program Title	Direct / Pass-Through Number	Federal Assistance Listing			Subrecipient Expenditures	
		Number	Expenditures	Expenditures		
I. Research and Development Cluster						
Department of Health & Human Services						
Pass-through: (Continued)						
New York University - Alcohol Research Programs	22-A0-00-1007862/Project #260926	93.273	\$ 152,858	\$ -		
University of Washington, Seattle - Alcohol Research Programs	UWSC14514	93.273	170,808	-		
University of Kentucky - Alcohol Research Programs	3200005087-23-089	93.273	457,737	-		
			1,433,877	-		
University of Connecticut Health Center - Drug Abuse and Addiction Research Programs	R21DA051934	93.279	(33)	-		
Regents University of California, San Francisco - Drug Abuse and Addiction Research Programs	14412sc	93.279	124	-		
Center for Social Innovation - Drug Abuse and Addiction Research Programs	1R43DA055192-01	93.279	716	-		
University of Pennsylvania - Drug Abuse and Addiction Research Programs	585172	93.279	1,900	-		
University of California, San Diego - Drug Abuse and Addiction Research Programs	705676	93.279	2,269	-		
University of California, Davis - Drug Abuse and Addiction Research Programs	A22-1977-S002	93.279	4,001	-		
Massachusetts General Hospital - Drug Abuse and Addiction Research Programs	241902	93.279	5,089	-		
Simon Fraser University - Drug Abuse and Addiction Research Programs	20099	93.279	5,150	-		
University of Pennsylvania - Drug Abuse and Addiction Research Programs	585172	93.279	5,773	-		
Dartmouth College - Drug Abuse and Addiction Research Programs	R1663	93.279	6,492	-		
New York University - Drug Abuse and Addiction Research Programs	23-A0-00-1010582	93.279	6,882	-		
University of Pittsburgh - Drug Abuse and Addiction Research Programs	AWD00007725 (139347-2)	93.279	6,940	-		
Boston Medical Center - Drug Abuse and Addiction Research Programs	7562-YALE-11A1AGMT-01	93.279	7,023	-		
Stanford University - Department Of Health And Human Services	63485863-287187	93.279	8,478	-		
Ukrainian Institute on Public Health Policy - Drug Abuse and Addiction Research Programs	U01DA045384	93.279	10,267	-		
University of Connecticut - Drug Abuse and Addiction Research Programs	146488263	93.279	10,450	-		
Boston Medical Center - Drug Abuse and Addiction Research Programs	BMC #6738	93.279	13,104	-		
University of California, San Diego - Drug Abuse and Addiction Research Programs	705676	93.279	13,832	-		
Research Foundation for Mental Hygiene - Drug Abuse and Addiction Research Programs	158463	93.279	18,725	-		
COVID-19	Brown University - Drug Abuse and Addiction Research Programs	00002489	21,282	-		
	Partnership to End Addiction - Drug Abuse and Addiction Research Programs	R24DA051946	93.279	26,656	-	
	Indiana University - Drug Abuse and Addiction Research Programs	9246_YALE	93.279	31,530	-	
	New York University School of Medicine - Drug Abuse and Addiction Research Programs	17-A1-00006921	93.279	33,914	-	
	Icahn School of Medicine at Mount Sinai (ISMMS) - Drug Abuse and Addiction Research Programs	0255-F876-4609	93.279	34,697	-	
	Icahn School of Medicine at Mount Sinai (ISMMS) - Drug Abuse and Addiction Research Programs	0255-F875-4609	93.279	36,168	-	
	University of British Columbia - Drug Abuse and Addiction Research Programs	GR028378	93.279	40,362	-	
	New York University Grossman School of Medicine - Drug Abuse and Addiction Research Programs	22-A0-00-1008771 - Project 267235	93.279	47,999	-	
	Stanford University - Drug Abuse and Addiction Research Programs	62097889-26345	93.279	51,011	-	
	Board of Trustees of Leland Stanford Junior University - Drug Abuse and Addiction Research Programs	63017761-257650	93.279	51,947	-	
	University of Pennsylvania - Drug Abuse and Addiction Research Programs	588079	93.279	61,581	-	
	Dartmouth College - Drug Abuse and Addiction Research Programs	R1469	93.279	62,622	-	
	Icahn School of Medicine at Mount Sinai (ISMMS) - Drug Abuse and Addiction Research Programs	0255-C601-4609	93.279	64,030	-	
	RTI International - Drug Abuse and Addiction Research Programs	1-312-0217653-66170L	93.279	73,082	-	
	New York University School of Medicine - Drug Abuse and Addiction Research Programs	18-A0-001001703/111675	93.279	74,894	-	
	RTI International - Drug Abuse and Addiction Research Programs	1-312-0217761-66296L	93.279	76,589	-	
	University of Pennsylvania - Drug Abuse and Addiction Research Programs	588079	93.279	90,732	-	
	Wake Forest University Health Sciences - Drug Abuse and Addiction Research Programs	1933-30151-11000002039	93.279	91,247	-	
	Hennepin Healthcare Research Institute - Drug Abuse and Addiction Research Programs	15562-02	93.279	97,981	-	
	New York University School of Medicine - Drug Abuse and Addiction Research Programs	22-A0-00-1008538	93.279	104,191	-	
	Board of Trustees of Leland Stanford Junior University - Drug Abuse and Addiction Research Programs	63017761-257650	93.279	108,814	-	
	University of Massachusetts - Drug Abuse and Addiction Research Programs	S51110000040533	93.279	116,894	-	
	Washington University in St. Louis - Drug Abuse and Addiction Research Programs	WU-23-0073	93.279	127,087	-	
	Hennepin Healthcare Research Institute - Drug Abuse and Addiction Research Programs	15477-02	93.279	193,433	-	
	Research Triangle Institute - Drug Abuse and Addiction Research Programs	1-312-0216573-65364L	93.279	202,010	-	
	Research Foundation for Mental Hygiene - Drug Abuse and Addiction Research Programs	158463	93.279	207,434	-	
	University of Pennsylvania - Drug Abuse and Addiction Research Programs	588079	93.279	220,334	-	
	New York University School of Medicine - Drug Abuse and Addiction Research Programs	18-A0-001001703/111675	93.279	222,681	-	
	University of Connecticut - Drug Abuse and Addiction Research Programs	175671438	93.279	251,885	-	
	University of Connecticut - Drug Abuse and Addiction Research Programs	420109/KFS #5663920	93.279	265,903	-	
	Dartmouth College - Drug Abuse and Addiction Research Programs	R1804	93.279	580,875	-	
	New York University School of Medicine - Drug Abuse and Addiction Research Programs	18-A0-001001703/111675	93.279	627,482	-	
				4,424,529	-	

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**Yale University**  
**Schedule of Expenditures of Federal Awards**  
**Year Ended June 30, 2024**

<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<u>Federal Assistance Listing Number</u>	<u>Expenditures</u>	<u>Subrecipient Expenditures</u>
<b>I. Research and Development Cluster</b>				
<b>Department of Health &amp; Human Services</b>				
<b>Pass-through: (Continued)</b>				
Connecticut Dept. of Public Health (DPH) - Centers for Disease Control and Prevention_Investigations and Technical Assistance	2023-0103	93.283	\$ (358)	\$ -
COVID-19 Connecticut Dept. of Public Health (DPH) - Centers for Disease Control and Prevention_Investigations and Technical Assistance	2017-0026-6	93.283	445,490	-
Connecticut Dept. of Public Health (DPH) - Centers for Disease Control and Prevention_Investigations and Technical Assistance	2017-0026-6	93.283	1,998,277	-
			<u>2,443,409</u>	-
University of Minnesota - Discovery and Applied Research for Technological Innovations to Improve Human Health	N006264805	93.286	(1,957)	-
University of California, San Diego - Discovery and Applied Research for Technological Innovations to Improve Human Health	704653	93.286	10,591	-
Duke University - Discovery and Applied Research for Technological Innovations to Improve Human Health	303001498	93.286	71,031	-
University of Alabama at Birmingham - Discovery and Applied Research for Technological Innovations to Improve Human Health	000541053-SC001	93.286	92,337	-
Vanderbilt University - Discovery and Applied Research for Technological Innovations to Improve Human Health	OSA00000188	93.286	119,715	-
			<u>291,717</u>	-
Beth Israel Deaconess Medical Center - Teenage Pregnancy Prevention Program	GRT65038	93.297	37,039	-
			<u>37,039</u>	-
Medical Cyberworlds, Inc. - Minority Health and Health Disparities Research	4R44MD017104-02	93.307	5,657	-
Weill Medical College of Cornell University - Minority Health and Health Disparities Research	225031-5	93.307	9,407	-
Harvard School of Public Health - Minority Health and Health Disparities Research	111369-5125800	93.307	12,388	-
University of Maryland at Baltimore - Minority Health and Health Disparities Research	21624	93.307	38,987	-
Morehouse School of Medicine - Minority Health and Health Disparities Research	RCC-001 YALE (parent)	93.307	73,016	-
The Trustees of Columbia University in the City of New York - Minority Health and Health Disparities Research	3(GG019113-01)	93.307	85,468	-
Morehouse School of Medicine - Minority Health and Health Disparities Research	RCC-SUP-001Yale	93.307	102,990	-
Brigham and Women's Hospital - Minority Health and Health Disparities Research	127174	93.307	228,824	-
			<u>556,737</u>	-
Regents of the University of Minnesota - Trans-NIH Research Support	P010409603	93.310	107	-
Black Hills Center for American Indian Health - Trans-NIH Research Support	S06GM146079A	93.310	20,588	-
Regents of the University of Minnesota - Trans-NIH Research Support	P010409603	93.310	23,214	-
University of North Carolina - Trans-NIH Research Support	5125795 (previously 5121993)	93.310	33,776	-
University of North Carolina - Trans-NIH Research Support	5127717	93.310	42,326	-
Rutgers (the State University of New Jersey) - Trans-NIH Research Support	SUB00002751	93.310	51,229	-
Black Hills Center for American Indian Health - Trans-NIH Research Support	1S06GM146079-B	93.310	119,316	-
Vanderbilt University - Trans-NIH Research Support	VUMC 110731	93.310	135,512	-
Brown University - Trans-NIH Research Support	00002372	93.310	180,911	-
Duke University - Trans-NIH Research Support	303001799	93.310	194,516	-
Baylor College of Medicine - Trans-NIH Research Support	70000001053/ P7000000598	93.310	215,929	-
Baylor College of Medicine - Trans-NIH Research Support	7000001324/P7000000874	93.310	330,807	-
			<u>1,348,231</u>	-
COVID-19 Women & Infants Hospital of Rhode Island - NIH Office of Research on Women's Health	OT2HL161847-01	93.313	28,679	-
			<u>28,679</u>	-
COVID-19 Connecticut Dept. of Public Health (DPH) - Emerging Infections Programs	DPH20240157PSA	93.317	431,642	-
Connecticut Dept. of Public Health (DPH) - Emerging Infections Programs	DPH20240157PSA	93.317	1,544,719	-
			<u>1,976,361</u>	-
New York University School of Medicine - National Center for Advancing Translational Sciences	3UL1TR001445-05S3	93.350	(21,011)	-
New York University School of Medicine - National Center for Advancing Translational Sciences	A031871 (SPS-248405)	93.350	110	-
Mayo Clinic of Rochester - National Center for Advancing Translational Sciences	YAL-254500-04/PO #68942259	93.350	65,313	-
Mayo Clinic of Rochester - National Center for Advancing Translational Sciences	20-A0-S1-004185	93.350	81,707	-
National Jewish Health - National Center for Advancing Translational Sciences	20115904	93.350	243,238	-
			<u>369,357</u>	-
Duke University - 21st Century Cures Act - Beau Biden Cancer Moonshot	A034458	93.353	27,380	-
			<u>27,380</u>	-
University of Washington, Seattle - Nursing Research	UWSC14675	93.361	3,915	-
University of Colorado, Denver - Nursing Research	FY22.342.003 / R01NR019989	93.361	50,238	-
COVID-19 New York University - Nursing Research	F1970-01	93.361	119,859	-

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**Yale University**  
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**Year Ended June 30, 2024**

<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<u>Federal Assistance Listing Number</u>	<u>Expenditures</u>	<u>Subrecipient Expenditures</u>
<b>I. Research and Development Cluster</b>				
<b>Department of Health &amp; Human Services</b>				
<b>Pass-through: (Continued)</b>				
			\$ 174,012	\$ -
Georgetown University - Cancer Cause and Prevention Research	425346 GR425204 YU-New	93.393	1,396	-
New York University - Cancer Cause and Prevention Research	21-A1-00-1004038	93.393	4,697	-
Johns Hopkins University - Cancer Cause and Prevention Research	2004811763	93.393	5,656	-
Emory University - Cancer Cause and Prevention Research	A763736	93.393	9,387	-
Johns Hopkins University - Cancer Cause and Prevention Research	2004811763	93.393	12,150	-
University of Michigan - Cancer Cause and Prevention Research	SUBK00019846	93.393	17,422	-
Johns Hopkins University - Cancer Cause and Prevention Research	2005629758	93.393	18,450	-
University of Massachusetts, Worcester - Cancer Cause and Prevention Research	OSP32495-01	93.393	27,406	-
University of Southern California - Cancer Cause and Prevention Research	SCON-00003530	93.393	28,202	-
Washington University in St. Louis - Cancer Cause and Prevention Research	WU-24-0246	93.393	37,848	-
Regents of the University of Minnesota - Cancer Cause and Prevention Research	N010895602	93.393	64,038	-
Ohio State University - Cancer Cause and Prevention Research	SPC-1000012342   GR133072	93.393	67,507	-
Washington University in St. Louis - Cancer Cause and Prevention Research	WU-23-0361	93.393	72,793	-
University of Southern California - Cancer Cause and Prevention Research	SCON-00003764	93.393	135,966	-
Washington University in St. Louis - Cancer Cause and Prevention Research	WU-24-0194	93.393	174,721	-
Weill Medical College of Cornell University - Cancer Cause and Prevention Research	232136-3	93.393	221,185	-
Brigham and Women's Hospital - Cancer Cause and Prevention Research	129899	93.393	221,319	-
Medical University of South Carolina - Cancer Cause and Prevention Research	A21-0022-S001	93.393	221,809	-
			1,341,952	-
Mayo Clinic of Rochester - Cancer Detection and Diagnosis Research	YAL-275155	93.394	(983)	-
Binary Genomics, Inc. - Cancer Detection and Diagnosis Research	001	93.394	2,407	-
Johns Hopkins University - Cancer Detection and Diagnosis Research	2005914955	93.394	12,781	-
Regents University of California, San Francisco - Cancer Detection and Diagnosis Research	14706sc	93.394	13,168	-
Washington University in St. Louis - Cancer Detection and Diagnosis Research	WU-23-0260	93.394	20,758	-
Hutchinson (Fred) Cancer Research Center - Cancer Detection and Diagnosis Research	0001175640	93.394	22,267	-
Massachusetts General Hospital - Cancer Detection and Diagnosis Research	241543	93.394	37,091	-
Arizona State University - Cancer Detection and Diagnosis Research	ASUB00001592	93.394	42,503	-
Massachusetts General Hospital - Cancer Detection and Diagnosis Research	241543	93.394	53,073	-
Washington University in St. Louis - Cancer Detection and Diagnosis Research	WU-24-0353	93.394	53,497	-
Mayo Clinic of Rochester - Cancer Detection and Diagnosis Research	YAL-275155-03	93.394	64,819	-
Massachusetts General Hospital - Cancer Detection and Diagnosis Research	238235	93.394	68,657	-
University of Alabama at Birmingham - Cancer Detection and Diagnosis Research	000540409-SC001	93.394	75,492	-
Dana Farber Cancer Institute - Cancer Detection and Diagnosis Research	1292702	93.394	145,716	-
			611,246	-
Mayo Clinic of Rochester - Cancer Treatment Research	YAL-289763-01/P.O.69096777	93.395	730	-
Mayo Clinic of Rochester - Cancer Treatment Research	YTY-289763	93.395	2,422	-
Mayo Clinic of Rochester - Cancer Treatment Research	YTY-289763-02	93.395	2,854	-
Mayo Clinic of Rochester - Cancer Treatment Research	YLE-289763	93.395	2,992	-
Oregon Health Sciences University - Cancer Treatment Research	1013080 YALE	93.395	4,442	-
Public Health Institute - Cancer Treatment Research	AR03259	93.395	4,732	-
University of Minnesota - Cancer Treatment Research	N008125903	93.395	5,344	-
ECOG-ACRIN Cancer Research Group - Cancer Treatment Research	U10CA180820-06-YALE1C	93.395	6,331	-
Mayo Clinic of Rochester - Cancer Treatment Research	YAL-289763-03	93.395	7,339	-
Public Health Institute - Cancer Treatment Research	AR66237	93.395	7,475	-
Research Foundation of State University of New York (SUNY) - Cancer Treatment Research	R1275687	93.395	8,012	-
Oregon Health Sciences University - Cancer Treatment Research	1013080 YALE	93.395	8,277	-
Mayo Clinic of Rochester - Cancer Treatment Research	YLE-289763-03	93.395	11,141	-
ECOG-ACRIN Cancer Research Group - Cancer Treatment Research	U10CA180820-06-YALE1C	93.395	13,365	-
Wits Health Consortium (Pty) Ltd - Cancer Treatment Research	3R01CA250012-04S1	93.395	14,180	-
Oregon Health Sciences University - Cancer Treatment Research	1013080_YALE	93.395	19,634	-
Oregon Health Sciences University - Cancer Treatment Research	1013080 YALE	93.395	25,690	-
Bessor Pharma, LLC - Cancer Treatment Research	Yale University SRA; Subcontract No: 1	93.395	26,875	-
Oregon Health Sciences University - Cancer Treatment Research	1013080 YALE	93.395	27,633	-
Brigham and Women's Hospital - Cancer Treatment Research	125263	93.395	28,209	-
George Washington University - Cancer Treatment Research	22-M09	93.395	30,022	-

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**Yale University**  
**Schedule of Expenditures of Federal Awards**  
**Year Ended June 30, 2024**

Federal Agency/Pass-Through Entity/Program Title	Direct / Pass-Through Number	Federal Assistance Listing	Subrecipient	
		Number	Expenditures	Expenditures
I. Research and Development Cluster				
Department of Health & Human Services				
Pass-through: (Continued)				
Icahn School of Medicine at Mount Sinai (ISMMS) - Cancer Treatment Research	0255-I771-4609	93.395	\$ 35,435	\$ -
University of Alabama at Birmingham - Cancer Treatment Research	000531215-SC001	93.395	42,335	-
Mayo Clinic of Rochester - Cancer Treatment Research	YUN-289763/P.O. #68352733	93.395	46,134	-
University of Alabama at Birmingham - Cancer Treatment Research	000531215	93.395	62,969	-
Ohio State University - Cancer Treatment Research	SPC-1000006107	93.395	66,726	-
Icahn School of Medicine at Mount Sinai (ISMMS) - Cancer Treatment Research	0255-I111-4609	93.395	88,275	-
Oregon Health Sciences University - Cancer Treatment Research	1013080_YALE	93.395	88,338	-
Brigham and Women's Hospital - Cancer Treatment Research	125263	93.395	91,200	-
Children's Hospital of Philadelphia (The) - Cancer Treatment Research	PO960236RSUB	93.395	103,613	-
Mayo Clinic of Rochester - Cancer Treatment Research	YUN-289763-02	93.395	131,182	-
			1,013,906	-
University of Chicago - Cancer Biology Research	AWD101836 (SUB00000496)	93.396	4,256	-
Brown University - Cancer Biology Research	00001917	93.396	4,414	-
Sage Bionetworks - Cancer Biology Research	2022.10	93.396	5,410	-
University of Nebraska Medical Center - Cancer Biology Research	34-1905-2281-103	93.396	10,891	-
University of Chicago - Cancer Biology Research	AWD102783 (SUB00000644)	93.396	12,285	-
University of Connecticut - Cancer Biology Research	165993561	93.396	12,759	-
University of Pittsburgh - Cancer Biology Research	AWD00006808 (139005-2)	93.396	14,386	-
Dana Farber Cancer Institute - Cancer Biology Research	1174105	93.396	66,135	-
Sage Bionetworks - Cancer Biology Research	2022.10	93.396	74,422	-
Washington University in St. Louis - Cancer Biology Research	WU-20-404	93.396	131,092	-
Beth Israel Deaconess Medical Center - Cancer Biology Research	GRT65436	93.396	139,174	-
University of Arizona - Cancer Biology Research	586645	93.396	180,297	-
Cornell University - Cancer Biology Research	147010-22173	93.396	254,695	-
Cincinnati Children's Hospital Medical Center - Cancer Biology Research	313686	93.396	299,422	-
Dana Farber Cancer Institute - Cancer Biology Research	1174203/1174204/1174205	93.396	353,410	-
			1,563,048	-
Institute for Systems Biology - Cancer Centers Support Grants	2022.0012 P060672	93.397	10,776	-
University of Pittsburgh - Cancer Centers Support Grants	AWD00006483 (801345-1)	93.397	19,959	-
Dana Farber Cancer Institute - Cancer Centers Support Grants	1305010	93.397	20,944	-
Dana Farber Cancer Institute - Cancer Centers Support Grants	1230510	93.397	20,950	-
Institute for Systems Biology - Cancer Centers Support Grants	2022.0012 P060669	93.397	36,037	-
Johns Hopkins University - Cancer Centers Support Grants	2005391976	93.397	92,706	-
Institute for Systems Biology - Cancer Centers Support Grants	2022.0012	93.397	105,130	-
Johns Hopkins University - Cancer Centers Support Grants	2005391976	93.397	119,307	-
Regents of the University of Michigan - Cancer Centers Support Grants	SUBK00017576	93.397	126,691	-
Regents of the University of Michigan - Cancer Centers Support Grants	SUBK00017576	93.397	141,434	-
Institute for Systems Biology - Cancer Centers Support Grants	2022.0012	93.397	230,889	-
			924,823	-
Beth Israel Deaconess Medical Center - Cancer Research Manpower	GRT65682	93.398	9,524	-
			9,524	-
Oregon Health Sciences University - Cancer Control	1014562_YALE	93.399	7,605	-
ECOG-ACRIN Cancer Research Group - Cancer Control	UG1CA189828-09-YALE1	93.399	19,972	-
Oregon Health Sciences University - Cancer Control	1014562_YALE	93.399	26,722	-
			54,299	-
Yale New Haven Health Systems - Strengthening Public Health Systems and Services through National Partnerships to Improve and Protect the Nation's Health	CK22-2203-YSM-ID-CHIPSTER-02	93.421	1,820	-
Brown University - Strengthening Public Health Systems and Services through National Partnerships to Improve and Protect the Nation's Health	00002314	93.421	24,757	-
COVID-19 Stanford University - Strengthening Public Health Systems and Services through National Partnerships to Improve and Protect the Nation's Health	63301089-306582	93.421	37,381	-
Yale New Haven Health Systems - Strengthening Public Health Systems and Services through National Partnerships to Improve and Protect the Nation's Health	CK22-2203-YSM-ID-01	93.421	150,426	-
			214,384	-
Boston University - Public Health Training Centers Program	4500004369/4500004899	93.516	116,796	-
			116,796	-

The accompanying notes are an integral part of this schedule

**Yale University**  
**Schedule of Expenditures of Federal Awards**  
**Year Ended June 30, 2024**

<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<u>Federal Assistance Listing Number</u>	<u>Expenditures</u>	<u>Subrecipient Expenditures</u>
I. Research and Development Cluster				
Department of Health & Human Services				
Pass-through: (Continued)				
State of CT Dept of Mental Health and Addiction Services - Emergency Grants to Address Mental and Substance Use Disorders During COVID-19	22MHA1015	93.665	\$ 210	\$ -
Washington University in St. Louis - National Organizations for Chronic Disease Prevention and Health Promotion	WU-23-0589	93.809	210	-
Duke University - Cardiovascular Diseases Research	SPS-277265 WBSE-303001994	93.837	1	-
SUNY Downstate Medical Center - Cardiovascular Diseases Research	100-1091654-96488	93.837	9	-
Texas A&M University - Cardiovascular Diseases Research	M2002222	93.837	42	-
Icahn School of Medicine at Mount Sinai (ISMMS) - Cardiovascular Diseases Research	0255-A343-4605	93.837	123	-
Inova Health Care Services - Cardiovascular Diseases Research	OSPRSD-537	93.837	257	-
Ohio State University - Cardiovascular Diseases Research	GR129950/PO #SPC-1000011810	93.837	1,876	-
Massachusetts General Hospital - Cardiovascular Diseases Research	A5332	93.837	1,951	-
Arrhythmia Dynamics, LLC - Cardiovascular Diseases Research	1R43HL158467-01	93.837	2,777	-
University of Pittsburgh - Cardiovascular Diseases Research	AWD00003099 (135921-1)	93.837	3,743	-
BioGraft, Inc. - Cardiovascular Diseases Research	2022-162397-3	93.837	4,419	-
Weill Medical College of Cornell University - Cardiovascular Diseases Research	226310	93.837	6,297	-
Regents University of California, San Francisco - Cardiovascular Diseases Research	14810SC	93.837	7,820	-
University of California, San Francisco - Cardiovascular Diseases Research	13220sc	93.837	10,616	-
Rutgers, the State University of New Jersey - Cardiovascular Diseases Research	2927	93.837	13,320	-
University of Alabama at Birmingham - Cardiovascular Diseases Research	000530812-SC017	93.837	13,672	-
John B. Pierce Laboratory Inc. (The) - Cardiovascular Diseases Research	300-A	93.837	16,833	-
Brigham and Women's Hospital - Cardiovascular Diseases Research	2020A015252	93.837	17,475	-
Regents of the University of California - Cardiovascular Diseases Research	1718 G LA224	93.837	21,495	-
Cincinnati Children's Hospital Medical Center - Cardiovascular Diseases Research	313945	93.837	21,885	-
University of Illinois at Urbana-Champaign - Cardiovascular Diseases Research	097337-17689	93.837	22,150	-
Vitalant Research Institute - Cardiovascular Diseases Research	11745YU148	93.837	23,217	-
New York University School of Medicine - Cardiovascular Diseases Research	17-A1-00-005849-01; Project 111223	93.837	23,465	-
The Miriam Hospital -	710-7147188	93.837	26,185	-
Research Institute at Nationwide Children's Hospital (The) - Cardiovascular Diseases Research	700250-0325-00	93.837	27,087	-
Children's Hospital Boston - Cardiovascular Diseases Research	GENFD0002297444	93.837	28,028	-
University of Texas Southwestern Medical Center (The) - Cardiovascular Diseases Research	GMO230102	93.837	30,956	-
Regents University of California, San Francisco - Cardiovascular Diseases Research	13220sc	93.837	32,204	-
University of Texas Southwestern Medical Center (The) - Cardiovascular Diseases Research	GMO230712 PO0000003063	93.837	33,341	-
Children's Hospital Boston - Cardiovascular Diseases Research	GENFD0002297444	93.837	34,424	-
Regents of the University of Michigan - Cardiovascular Diseases Research	SUB00012350	93.837	35,439	-
Cincinnati Children's Hospital Medical Center - Cardiovascular Diseases Research	OS00000632/313945	93.837	35,575	-
Research Institute at Nationwide Children's Hospital (The) - Cardiovascular Diseases Research	OS00000632/313945	93.837	35,575	-
Cincinnati Children's Hospital Medical Center - Cardiovascular Diseases Research	OS00000528/313945	93.837	36,334	-
Emory University - Cardiovascular Diseases Research	A591443	93.837	40,019	-
Temple University - Cardiovascular Diseases Research	265891-04-YU / 265891	93.837	41,063	-
Cincinnati Children's Hospital Medical Center - Cardiovascular Diseases Research	OS00000527/313945	93.837	45,176	-
The Miriam Hospital - Cardiovascular Diseases Research	710-7147188	93.837	46,005	-
University of Alabama at Birmingham - Cardiovascular Diseases Research	000530812-SC017	93.837	47,331	-
Cincinnati Children's Hospital Medical Center - Cardiovascular Diseases Research	OS00000530/3131945	93.837	50,000	-
Vanderbilt University Medical Center - Cardiovascular Diseases Research	VUMC95997	93.837	57,071	-
Board of Trustees of Leland Stanford Junior University - Cardiovascular Diseases Research	63293030-260123	93.837	60,068	-
Emory University - Cardiovascular Diseases Research	A575016	93.837	61,917	-
Rutgers, the State University of New Jersey - Cardiovascular Diseases Research	2357/2927	93.837	63,333	-
The Trustees of Columbia University in the City of New York - Cardiovascular Diseases Research	4(G0012878-01)	93.837	69,344	-
Board of Trustees of Leland Stanford Junior University - Cardiovascular Diseases Research	63064713-208825	93.837	71,644	-
Massachusetts General Hospital - Cardiovascular Diseases Research	240133	93.837	75,646	-

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I. Research and Development Cluster					
Department of Health & Human Services					
Pass-through: (Continued)					
COVID-19	Research Institute at Nationwide Children's Hospital (The) - Cardiovascular Diseases Research	700250-0324-00	93.837	\$ 77,706	\$ -
	The Trustees of Columbia University in the City of New York - Cardiovascular Diseases Research	5(G0012878-01)	93.837	80,251	-
	Weill Medical College of Cornell University - Cardiovascular Diseases Research	227365-3	93.837	101,198	-
	University of Connecticut Health Center - Cardiovascular Diseases Research	UCHC7-159820958	93.837	109,070	-
	Research Institute at Nationwide Children's Hospital (The) - Cardiovascular Diseases Research	700284-0324-00	93.837	117,513	-
	University of Miami - Cardiovascular Diseases Research	OS00000899	93.837	137,934	-
	Northeastern University - Cardiovascular Diseases Research	500836-78050	93.837	340,587	-
	University of Pennsylvania - Cardiovascular Diseases Research	587656	93.837	448,748	-
				2,710,215	-
	TargetSite Therapeutics - Lung Diseases Research	1R43HL170910-01	93.838	7,089	-
	Medical University of South Carolina - Lung Diseases Research	A22-0205-S001	93.838	16,524	-
	University of Miami - Lung Diseases Research	OS00001149	93.838	21,849	-
	Emory University - Lung Diseases Research	A809748	93.838	26,531	-
	Children's Research Institute - Lung Diseases Research	30006708-01	93.838	41,356	-
	Duke University - Lung Diseases Research	303001253	93.838	43,895	-
	University of Pennsylvania - Lung Diseases Research	587635	93.838	81,143	-
	Rutgers, the State University of New Jersey - Lung Diseases Research	Sub # 2513	93.838	88,896	-
	Brigham and Women's Hospital - Lung Diseases Research	127057	93.838	111,876	-
	University of California, San Diego - Lung Diseases Research	KR 705106	93.838	203,317	-
	University of North Carolina - Lung Diseases Research	5125917-H3YALEUNIV	93.838	288,736	-
	University of California, San Diego - Lung Diseases Research	705870	93.838	558,738	-
				1,489,950	-
	Research Institute at Nationwide Children's Hospital (The) - Blood Diseases and Resources Research	700277-0223-00	93.839	1,876	-
	Washington University in St. Louis - Blood Diseases and Resources Research	WU-18-416	93.839	9,626	-
	University of Nebraska Medical Center - Blood Diseases and Resources Research	34-5140-2117-201	93.839	17,516	-
	University of Texas M.D. Anderson Cancer Center - Blood Diseases and Resources Research	3001607487	93.839	24,733	-
				53,751	-
	Infectious Diseases Research Collaboration - Translation and Implementation Science Research for Heart, Lung, Blood Diseases, and Sleep Disorders	IDRC0006sc	93.840	16,290	-
	Infectious Diseases Research Collaboration - Translation and Implementation Science Research for Heart, Lung, Blood Diseases, and Sleep Disorders	IDRC006sc	93.840	43,367	-
	Infectious Diseases Research Collaboration - Translation and Implementation Science Research for Heart, Lung, Blood Diseases, and Sleep Disorders	IDRC0016sc	93.840	202,273	-
	Vanderbilt University Medical Center - Translation and Implementation Science Research for Heart, Lung, Blood Diseases, and Sleep Disorders	VUMC 92554	93.840	342,299	-
				604,229	-
	SUNY Upstate Medical University - Arthritis, Musculoskeletal and Skin Diseases Research	1162484-88632	93.846	4,428	-
	University of Pittsburgh - Arthritis, Musculoskeletal and Skin Diseases Research	AWD00006473 (138826-3)	93.846	6,654	-
	Jackson Laboratory - Arthritis, Musculoskeletal and Skin Diseases Research	210320-1122-02	93.846	8,654	-
SP Myofinity Biosciences, Inc. - Arthritis, Musculoskeletal and Skin Diseases Research	1R41AR082205-1A1	93.846	9,970	-	
Jackson Laboratory - Arthritis, Musculoskeletal and Skin Diseases Research	210430-0125-03	93.846	10,369	-	
Thomas Jefferson University - Arthritis, Musculoskeletal and Skin Diseases Research	080-13000-S49001	93.846	64,798	-	
Regents of the University of Michigan - Arthritis, Musculoskeletal and Skin Diseases Research	SUBK00014523	93.846	95,510	-	
US Department of Health and Human Services (DHHS) - Arthritis, Musculoskeletal and Skin Diseases Research	K08AR073933	93.846	147,276	-	
			347,659	-	
Bessor Pharma, LLC - Diabetes, Digestive, and Kidney Diseases Extramural Research	2R44DK111251	93.847	(3,647)	-	
Cornell University - Diabetes, Digestive, and Kidney Diseases Extramural Research	170511	93.847	16	-	
University of Maryland at Baltimore - Diabetes, Digestive, and Kidney Diseases Extramural Research	20835	93.847	175	-	
The Trustees of Columbia University in the City of New York - Diabetes, Digestive, and Kidney Diseases Extramural Research	2(GG016550-01)	93.847	629	-	
Johns Hopkins University - Diabetes, Digestive, and Kidney Diseases Extramural Research	2005726379	93.847	736	-	
University of Texas Southwestern Medical Center (The) - Diabetes, Digestive, and Kidney Diseases Extramural Research	GMO-160229	93.847	810	-	

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<b>I. Research and Development Cluster</b>				
<b>Department of Health &amp; Human Services</b>				
<b>Pass-through: (Continued)</b>				
The Trustees of Columbia University in the City of New York - Diabetes, Digestive, and Kidney Diseases Extramural Research	5(GG011642-04)/2(GG011642-05)/2(GG011642-06)	93.847	\$ 1,657	\$ -
University of Utah - Diabetes, Digestive, and Kidney Diseases Extramural Research	10055841-31-YALE	93.847	2,320	-
Northwestern University - Diabetes, Digestive, and Kidney Diseases Extramural Research	60064017 YALE	93.847	4,882	-
University of Connecticut Health Center - Diabetes, Digestive, and Kidney Diseases Extramural Research	UCHC7-137141562	93.847	5,535	-
George Washington University - Diabetes, Digestive, and Kidney Diseases Extramural Research	S-GRD2223-LL37	93.847	5,777	-
University of Oklahoma Health Sciences Center - Diabetes, Digestive, and Kidney Diseases Extramural Research	RS20211223-01	93.847	8,149	-
Augusta University (Formerly Georgia Regents University) - Diabetes, Digestive, and Kidney Diseases Extramural Research	38237-4	93.847	9,665	-
University of Utah - Diabetes, Digestive, and Kidney Diseases Extramural Research	10055841-20-YU	93.847	11,326	-
University of Pittsburgh - Diabetes, Digestive, and Kidney Diseases Extramural Research	AWD00007600 (139342-1)	93.847	14,865	-
University of Maryland at Baltimore - Diabetes, Digestive, and Kidney Diseases Extramural Research	F303286-1	93.847	19,343	-
University of Utah - Diabetes, Digestive, and Kidney Diseases Extramural Research	10055841-20-YU	93.847	21,765	-
University of Washington, Seattle - Diabetes, Digestive, and Kidney Diseases Extramural Research	UWSC12516	93.847	22,091	-
Hartford Hospital - Diabetes, Digestive, and Kidney Diseases Extramural Research	126357-SY	93.847	23,080	-
Brigham and Women's Hospital - Diabetes, Digestive, and Kidney Diseases Extramural Research	128935	93.847	25,411	-
Drexel University - Diabetes, Digestive, and Kidney Diseases Extramural Research	800159	93.847	27,425	-
Temple University - Diabetes, Digestive, and Kidney Diseases Extramural Research	268595-Yale	93.847	29,982	-
University of Maryland at Baltimore - Diabetes, Digestive, and Kidney Diseases Extramural Research	20835-02	93.847	30,022	-
University of Pennsylvania - Diabetes, Digestive, and Kidney Diseases Extramural Research	585550	93.847	32,761	-
Augusta University (Formerly Georgia Regents University) - Diabetes, Digestive, and Kidney Diseases Extramural Research	36350-18	93.847	38,099	-
University of Connecticut Health Center - Diabetes, Digestive, and Kidney Diseases Extramural Research	UCHC7-166643587	93.847	42,450	-
Emory University - Diabetes, Digestive, and Kidney Diseases Extramural Research	A791183	93.847	52,354	-
University of Utah - Diabetes, Digestive, and Kidney Diseases Extramural Research	10055841-31-YALE	93.847	57,076	-
Northwestern University - Diabetes, Digestive, and Kidney Diseases Extramural Research	60064017 YALE	93.847	77,061	-
Augusta University (Formerly Georgia Regents University) - Diabetes, Digestive, and Kidney Diseases Extramural Research	39043-2	93.847	112,413	-
University of North Carolina - Diabetes, Digestive, and Kidney Diseases Extramural Research	5128100	93.847	115,761	-
University of California, San Diego - Diabetes, Digestive, and Kidney Diseases Extramural Research	KR 705632	93.847	128,066	-
Northern California Institute for Research & Education - Diabetes, Digestive, and Kidney Diseases Extramural Research	EST2375-01	93.847	130,403	-
University of South Florida - Diabetes, Digestive, and Kidney Diseases Extramural Research	6163-1082-40-CD	93.847	155,799	-
Case Western Reserve University - Diabetes, Digestive, and Kidney Diseases Extramural Research	RES601763	93.847	156,845	-
Broad Institute, Inc - Diabetes, Digestive, and Kidney Diseases Extramural Research	5001852-5500002065	93.847	240,398	-
University of South Florida - Diabetes, Digestive, and Kidney Diseases Extramural Research	6163-1082-10-CC	93.847	283,931	-
University of Wisconsin-Madison - Diabetes, Digestive, and Kidney Diseases Extramural Research	0000000961	93.847	313,482	-
Cincinnati Children's Hospital Medical Center - Diabetes, Digestive, and Kidney Diseases Extramural Research	312604	93.847	331,393	-
Johns Hopkins University - Diabetes, Digestive, and Kidney Diseases Extramural Research	2005282686	93.847	413,635	-
Johns Hopkins University - Diabetes, Digestive, and Kidney Diseases Extramural Research	2005726379	93.847	477,609	-
Northern California Institute for Research & Education - Diabetes, Digestive, and Kidney Diseases Extramural Research	EST2375-01	93.847	614,246	-
			4,035,796	-
George Washington University - Extramural Research Programs in the Neurosciences and Neurological Disorders	22-SA004	93.853	11	-
University of Pennsylvania - Extramural Research Programs in the Neurosciences and Neurological Disorders	585181	93.853	492	-
University of Cincinnati Medical Center - Extramural Research Programs in the Neurosciences and Neurological Disorders	011337-138225	93.853	604	-
University of Cincinnati Medical Center - Extramural Research Programs in the Neurosciences and Neurological Disorders	013934-138225	93.853	733	-
Regents of the University of Michigan - Extramural Research Programs in the Neurosciences and Neurological Disorders	SUBK00017775	93.853	876	-
University of Chicago - Extramural Research Programs in the Neurosciences and Neurological Disorders	AWD104242 (SUB00001090)	93.853	890	-
Virginia Commonwealth University - Extramural Research Programs in the Neurosciences and Neurological Disorders	FP00015072-SA001	93.853	968	-
George Washington University - Extramural Research Programs in the Neurosciences and Neurological Disorders	21-M123	93.853	1,079	-
Regents of the University of California - Extramural Research Programs in the Neurosciences and Neurological Disorders	12520sc	93.853	3,116	-

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I. Research and Development Cluster				
Department of Health & Human Services				
Pass-through: (Continued)				
Massachusetts General Hospital - Extramural Research Programs in the Neurosciences and Neurological Disorders	235400	93.853	\$ 4,338	\$ -
George Washington University - Extramural Research Programs in the Neurosciences and Neurological Disorders	20-M30	93.853	4,808	-
Regents of the University of Michigan - Extramural Research Programs in the Neurosciences and Neurological Disorders	SUBK00017775	93.853	5,027	-
Board of Trustees of Leland Stanford Junior University - Extramural Research Programs in the Neurosciences and Neurological Disorders	62854295-193654	93.853	5,085	-
Northeastern University - Extramural Research Programs in the Neurosciences and Neurological Disorders	500846-78050	93.853	7,943	-
Massachusetts General Hospital - Extramural Research Programs in the Neurosciences and Neurological Disorders	235400	93.853	8,173	-
Johns Hopkins University - Extramural Research Programs in the Neurosciences and Neurological Disorders	2005516748	93.853	11,716	-
University of Cincinnati Medical Center - Extramural Research Programs in the Neurosciences and Neurological Disorders	014059-138225	93.853	13,065	-
University of Florida - Extramural Research Programs in the Neurosciences and Neurological Disorders	SUB00004088	93.853	13,872	-
Regents of the University of Michigan - Extramural Research Programs in the Neurosciences and Neurological Disorders	SUBK00014304	93.853	14,013	-
University of Utah - Extramural Research Programs in the Neurosciences and Neurological Disorders	10050533-17	93.853	16,545	-
Indiana University - Extramural Research Programs in the Neurosciences and Neurological Disorders	9719-YU	93.853	18,264	-
Virginia Commonwealth University - Extramural Research Programs in the Neurosciences and Neurological Disorders	FP00018236 SA001	93.853	18,390	-
University of Connecticut - Extramural Research Programs in the Neurosciences and Neurological Disorders	148681307	93.853	20,105	-
Regents of the University of Michigan - Extramural Research Programs in the Neurosciences and Neurological Disorders	SUBK11056CSPR-002	93.853	21,593	-
University of Cincinnati Medical Center - Extramural Research Programs in the Neurosciences and Neurological Disorders	011961-138225	93.853	23,224	-
University of Cincinnati Medical Center - Extramural Research Programs in the Neurosciences and Neurological Disorders	015151-138225	93.853	24,738	-
University of Cincinnati Medical Center - Extramural Research Programs in the Neurosciences and Neurological Disorders	012044-138225	93.853	25,445	-
Cleveland Clinic Lerner College of Medicine of CWRU - Extramural Research Programs in the Neurosciences and Neurological Disorders	CCF24365398	93.853	29,517	-
University of Rhode Island - Extramural Research Programs in the Neurosciences and Neurological Disorders	0009851/110322	93.853	30,053	-
George Washington University - Extramural Research Programs in the Neurosciences and Neurological Disorders	21-M36	93.853	32,596	-
University of Cincinnati Medical Center - Extramural Research Programs in the Neurosciences and Neurological Disorders	013888-138225	93.853	32,909	-
Massachusetts General Hospital - Extramural Research Programs in the Neurosciences and Neurological Disorders	241642	93.853	32,936	-
George Washington University - Extramural Research Programs in the Neurosciences and Neurological Disorders	21-M34	93.853	38,943	-
Mayo Clinic Jacksonville Florida - Extramural Research Programs in the Neurosciences and Neurological Disorders	YAL-224063-06	93.853	39,090	-
Massachusetts General Hospital - Extramural Research Programs in the Neurosciences and Neurological Disorders	243995	93.853	39,275	-
Regents of the University of California - Extramural Research Programs in the Neurosciences and Neurological Disorders	1580 G LA161	93.853	39,489	-
Cleveland Clinic Lerner College of Medicine of CWRU - Extramural Research Programs in the Neurosciences and Neurological Disorders	1423-SUB	93.853	49,909	-
Board of Trustees of Leland Stanford Junior University - Extramural Research Programs in the Neurosciences and Neurological Disorders	62161887-136511	93.853	52,732	-
George Washington University - Extramural Research Programs in the Neurosciences and Neurological Disorders	21-M99 MOD #2	93.853	53,881	-
University of Arizona - Extramural Research Programs in the Neurosciences and Neurological Disorders	517040	93.853	55,670	-
Cornell University - Extramural Research Programs in the Neurosciences and Neurological Disorders	142208-21596	93.853	56,910	-
Beth Israel Deaconess Medical Center - Extramural Research Programs in the Neurosciences and Neurological Disorders	GRT65212	93.853	58,031	-
University of Cincinnati Medical Center - Extramural Research Programs in the Neurosciences and Neurological Disorders	012043-138225	93.853	65,466	-
Children's Hospital Boston - Extramural Research Programs in the Neurosciences and Neurological Disorders	GFNF0002164228	93.853	68,532	-
George Washington University - Extramural Research Programs in the Neurosciences and Neurological Disorders	22-SA004	93.853	74,696	-
Mayo Clinic Jacksonville Florida - Extramural Research Programs in the Neurosciences and Neurological Disorders	YAL-305533	93.853	95,657	-
Beth Israel Deaconess Medical Center - Extramural Research Programs in the Neurosciences and Neurological Disorders	GRT65212	93.853	97,531	-
Virtus Therapeutics Corporation - Extramural Research Programs in the Neurosciences and Neurological Disorders	1R43NS127740-01A1	93.853	101,732	-
Marine Biological Laboratory - Extramural Research Programs in the Neurosciences and Neurological Disorders	54482	93.853	109,703	-

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<b>I. Research and Development Cluster</b>				
<b>Department of Health &amp; Human Services</b>				
<b>Pass-through: (Continued)</b>				
Massachusetts General Hospital - Extramural Research Programs in the Neurosciences and Neurological Disorders	U01NS120901	93.853	\$ 111,240	\$ -
Johns Hopkins University - Extramural Research Programs in the Neurosciences and Neurological Disorders	2005516748	93.853	113,172	-
Regents of the University of California - Extramural Research Programs in the Neurosciences and Neurological Disorders	13589sc	93.853	116,668	-
Massachusetts General Hospital - Extramural Research Programs in the Neurosciences and Neurological Disorders	242113	93.853	118,223	-
Children's Research Institute - Extramural Research Programs in the Neurosciences and Neurological Disorders	30006326-01	93.853	128,326	-
Marine Biological Laboratory - Extramural Research Programs in the Neurosciences and Neurological Disorders	54484	93.853	135,357	-
Rutgers, the State University of New Jersey - Extramural Research Programs in the Neurosciences and Neurological Disorders	3029	93.853	140,440	-
Brain Electrophysiology Laboratory Company - Extramural Research Programs in the Neurosciences and Neurological Disorders	1R44NS120591-01A1	93.853	145,507	-
University of Connecticut Health Center - Extramural Research Programs in the Neurosciences and Neurological Disorders	UCHC7-180069309	93.853	218,586	-
Massachusetts General Hospital - Extramural Research Programs in the Neurosciences and Neurological Disorders	239604	93.853	241,415	-
University of Pennsylvania - Extramural Research Programs in the Neurosciences and Neurological Disorders	587781	93.853	262,222	-
Marine Biological Laboratory - Extramural Research Programs in the Neurosciences and Neurological Disorders	54483	93.853	283,483	-
George Washington University - Extramural Research Programs in the Neurosciences and Neurological Disorders	21-M35	93.853	335,803	-
Johns Hopkins University - Extramural Research Programs in the Neurosciences and Neurological Disorders	2005103274	93.853	369,725	-
Regents of the University of California - Extramural Research Programs in the Neurosciences and Neurological Disorders	2022-1773	93.853	374,382	-
			<u>4,614,920</u>	-
Cornell University - Allergy and Infectious Diseases Research	203763	93.855	(8,057)	-
Children's Hospital Boston - Allergy and Infectious Diseases Research	GENFD0002264686	93.855	1	-
Dana Farber Cancer Institute - Allergy and Infectious Diseases Research	1305501	93.855	1	-
Medical College of Wisconsin - Allergy and Infectious Diseases Research	1R21AI147573-01A	93.855	7	-
Johns Hopkins University - Allergy and Infectious Diseases Research	P.O. 2004195224	93.855	50	-
Benaroya Research Institute - Allergy and Infectious Diseases Research	FY171TN183/FY20ITN183/FY21ITN183	93.855	115	-
Benaroya Research Institute - Allergy and Infectious Diseases Research	FY24ITN549	93.855	335	-
Emory University - Allergy and Infectious Diseases Research	A1034408	93.855	405	-
Benaroya Research Institute - Allergy and Infectious Diseases Research	FY17ITN162-FY21ITN162	93.855	450	-
Colorado State University - Allergy and Infectious Diseases Research	G-70079-01	93.855	645	-
Leiden University Medical Center - Allergy and Infectious Diseases Research	1U01AI165745	93.855	1,898	-
University of Illinois at Urbana-Champaign - Allergy and Infectious Diseases Research	100165-19875	93.855	2,092	-
Arkansas Children's Hospital Research Institute - Allergy and Infectious Diseases Research	034146-026	93.855	2,136	-
Benaroya Research Institute - Allergy and Infectious Diseases Research	FY22ITN183	93.855	2,236	-
Virginia Polytechnic Institute and State University (Virginia Tech) - Allergy and Infectious Diseases Research	412866-19162	93.855	2,849	-
Icahn School of Medicine at Mount Sinai (ISMMs) - Allergy and Infectious Diseases Research	0255-F071-4609	93.855	4,240	-
Albert Einstein College of Medicine - Allergy and Infectious Diseases Research	31192A	93.855	4,529	-
Jackson Laboratory - Allergy and Infectious Diseases Research	210310-0224-12	93.855	5,449	-
East Carolina University - Allergy and Infectious Diseases Research	A18-0229-S001	93.855	5,650	-
Benaroya Research Institute - Allergy and Infectious Diseases Research	FY23ITN549	93.855	7,539	-
Cedars-Sinai Medical Center - Allergy and Infectious Diseases Research	CSP0405124	93.855	7,989	-
Duke University - Allergy and Infectious Diseases Research	WBSE-A034260 SPS- 261113	93.855	8,038	-
Northwestern University - Allergy and Infectious Diseases Research	60056914 YU	93.855	8,743	-
Colorado State University - Allergy and Infectious Diseases Research	G-70133-02	93.855	9,422	-
Virginia Polytechnic Institute and State University (Virginia Tech) - Allergy and Infectious Diseases Research	412889-19162	93.855	10,120	-
Regents of the University of Minnesota - Allergy and Infectious Diseases Research	N009869002	93.855	10,534	-
Food Allergy Science Initiative, Inc. - Allergy and Infectious Diseases Research	P01AI179273-P1	93.855	10,855	-
Johns Hopkins University - Allergy and Infectious Diseases Research	PO #: 2003649391	93.855	11,126	-
University of Maryland - Allergy and Infectious Diseases Research	64882-Z0158203	93.855	12,760	-
Columbia University Irving Medical Center - Department Of Health And Human Services	G19187	93.855	13,166	-
Regents of the University of California - Allergy and Infectious Diseases Research	1560 B LC749	93.855	16,032	-
Columbia University - Allergy and Infectious Diseases Research	4(GG019638-01)	93.855	16,872	-
Regents of the University of California - Allergy and Infectious Diseases Research	1560 G IA851	93.855	21,153	-
Children's Hospital Boston - Allergy and Infectious Diseases Research	GENFD0002200126	93.855	21,951	-
Emory University - Allergy and Infectious Diseases Research	A810419	93.855	22,080	-
Pennsylvania State University - Allergy and Infectious Diseases Research	YALEAI175509	93.855	22,581	-

The accompanying notes are an integral part of this schedule

**Yale University**  
**Schedule of Expenditures of Federal Awards**  
**Year Ended June 30, 2024**

<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<u>Federal Assistance Listing Number</u>	<u>Expenditures</u>	<u>Subrecipient Expenditures</u>
I. Research and Development Cluster				
Department of Health & Human Services				
Pass-through: (Continued)				
Institute for Clinical Research, Inc. - Allergy and Infectious Diseases Research	M08-NE-025-0704-2	93.855	\$ 23,715	\$ -
Duke University - Allergy and Infectious Diseases Research	303001641	93.855	23,989	-
Weill Medical College of Cornell University - Allergy and Infectious Diseases Research	231114/PTE 5 UM1 AI164565-03	93.855	24,329	-
East Carolina University - Allergy and Infectious Diseases Research	AWD-23-0786-S001	93.855	26,445	-
Beth Israel Deaconess Medical Center - Allergy and Infectious Diseases Research	GRT65327	93.855	26,551	-
Wistar Institute of Anatomy and Biology - Allergy and Infectious Diseases Research	25903-52-324	93.855	27,786	-
State University of New York at Buffalo (SUNY) - Allergy and Infectious Diseases Research	R1193049	93.855	29,872	-
The University of Texas Health Science Center at Tyler - Allergy and Infectious Diseases Research	6054-SC22-21	93.855	30,304	-
L2 Diagnostics, LLC - Allergy and Infectious Diseases Research	2R44AI136118-02	93.855	30,392	-
University of Pittsburgh - Allergy and Infectious Diseases Research	AWD00005998 (139757-10)	93.855	31,690	-
Children's Hospital of Philadelphia (The) - Allergy and Infectious Diseases Research	3201750624	93.855	31,947	-
Massachusetts General Hospital - Allergy and Infectious Diseases Research	237011	93.855	32,217	-
Emory University - Allergy and Infectious Diseases Research	A989585	93.855	33,070	-
Emory University - Allergy and Infectious Diseases Research	A821684	93.855	33,825	-
University of Pennsylvania - Allergy and Infectious Diseases Research	585399	93.855	34,172	-
University of Pittsburgh - Allergy and Infectious Diseases Research	AWD00005998 (139757-8)	93.855	34,987	-
La Jolla Institute for Allergy and Immunology - Allergy and Infectious Diseases Research	20010-05-105-384	93.855	35,308	-
Wake Forest University - Allergy and Infectious Diseases Research	23-014	93.855	35,419	-
University of Utah - Allergy and Infectious Diseases Research	10062103-13-YU	93.855	36,577	-
Biotechnology Research Institute, KALRO - Allergy and Infectious Diseases Research	1R01AI169503	93.855	37,815	-
L2 Diagnostics, LLC - Allergy and Infectious Diseases Research	1R41AI179587-01A1	93.855	38,031	-
Harvard School of Public Health - Allergy and Infectious Diseases Research	117164-5113039	93.855	38,722	-
Emory University - Allergy and Infectious Diseases Research	T938313	93.855	39,040	-
J. David Gladstone Institutes - Allergy and Infectious Diseases Research	SC-00053	93.855	39,480	-
Rutgers, the State University of New Jersey - Allergy and Infectious Diseases Research	2958	93.855	41,743	-
Dana Farber Cancer Institute - Allergy and Infectious Diseases Research	1277009	93.855	43,734	-
Dana Farber Cancer Institute - Allergy and Infectious Diseases Research	1305501	93.855	45,611	-
University of Alabama at Birmingham - Allergy and Infectious Diseases Research	000537346-SP004-SC001	93.855	45,630	-
University of Utah - Allergy and Infectious Diseases Research	10062103-12-YU	93.855	53,442	-
University of California, Irvine - Allergy and Infectious Diseases Research	2018-3660	93.855	53,602	-
Brown University - Allergy and Infectious Diseases Research	00002338	93.855	53,619	-
Scripps Health - Allergy and Infectious Diseases Research	5-55088	93.855	53,670	-
Icahn School of Medicine at Mount Sinai (ISMMS) - Allergy and Infectious Diseases Research	0255-C815-4609	93.855	55,674	-
Regents of the University of Minnesota - Allergy and Infectious Diseases Research	G20200-2242	93.855	56,065	-
Johns Hopkins University - Allergy and Infectious Diseases Research	2005166598	93.855	57,909	-
La Jolla Institute for Allergy and Immunology - Allergy and Infectious Diseases Research	20010-04-105-384	93.855	58,528	-
Regents of the University of California - Allergy and Infectious Diseases Research	15600000107229	93.855	63,457	-
Albert Einstein College of Medicine - Allergy and Infectious Diseases Research	311254	93.855	64,900	-
Virginia Commonwealth University - Allergy and Infectious Diseases Research	FP00015516 SA001	93.855	65,518	-
Massachusetts Institute of Technology (MIT) - Allergy and Infectious Diseases Research	S5904 PO#836063	93.855	66,556	-
L2 Diagnostics, LLC - Allergy and Infectious Diseases Research	1R41AI157014-01A1	93.855	67,503	-
University of Chicago - Allergy and Infectious Diseases Research	AWD101500 (SUB00000777)	93.855	70,400	-
Johns Hopkins University - Allergy and Infectious Diseases Research	2005164209	93.855	71,054	-
La Jolla Institute for Allergy and Immunology - Allergy and Infectious Diseases Research	20012-02-105-284	93.855	71,669	-
Cornell University - Allergy and Infectious Diseases Research	228323	93.855	76,595	-
COVID-19 La Jolla Institute for Allergy and Immunology - Allergy and Infectious Diseases Research	20013-01-105-284	93.855	78,213	-
Curatix, LLC - Allergy and Infectious Diseases Research	1R43AI176966-01	93.855	80,316	-
Family Health International (FHI 360) - Allergy and Infectious Diseases Research	PO17001520	93.855	82,441	-
Cornell University - Allergy and Infectious Diseases Research	92710-20630	93.855	82,927	-
Duke University - Allergy and Infectious Diseases Research	303000020	93.855	84,462	-
Leiden University Medical Center - Allergy and Infectious Diseases Research	1U01AI165745	93.855	88,878	-

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**Yale University**  
**Schedule of Expenditures of Federal Awards**  
**Year Ended June 30, 2024**

Federal Agency/Pass-Through Entity/Program Title	Direct / Pass-Through Number	Federal Assistance Listing	Expenditures	Subrecipient Expenditures	
		Number			
I. Research and Development Cluster					
Department of Health & Human Services					
Pass-through: (Continued)					
COVID-19	Luna BioScience, Inc. - Allergy and Infectious Diseases Research	1R41AI174377-01A1	93.855	\$ 89,356	\$ -
	Icahn School of Medicine at Mount Sinai (ISMMS) - Allergy and Infectious Diseases Research	0255-3225-4609	93.855	89,425	-
	Albert Einstein College of Medicine - Allergy and Infectious Diseases Research	312471	93.855	89,960	-
	Columbia University - Allergy and Infectious Diseases Research	2(GG014397-01)	93.855	95,320	-
	Northwestern University - Allergy and Infectious Diseases Research	60066543 YU	93.855	110,677	-
	Johns Hopkins University - Allergy and Infectious Diseases Research	2005166598	93.855	113,390	-
	Emory University - Allergy and Infectious Diseases Research	A699213	93.855	117,051	-
	New York University - Allergy and Infectious Diseases Research	20-A0-00-1004049	93.855	120,778	-
	Emory University - Allergy and Infectious Diseases Research	A547677	93.855	122,207	-
	Drexel University - Allergy and Infectious Diseases Research	900304	93.855	124,218	-
	Weill Medical College of Cornell University - Allergy and Infectious Diseases Research	226009/235297	93.855	135,725	-
	University of Pittsburgh - Allergy and Infectious Diseases Research	AWD00005998 (139222-10)	93.855	143,597	-
	Regents of the University of Minnesota - Allergy and Infectious Diseases Research	N009869002	93.855	144,102	-
	Wistar Institute of Anatomy and Biology - Allergy and Infectious Diseases Research	25902-52-324	93.855	146,928	-
	Drexel University - Allergy and Infectious Diseases Research	910003	93.855	151,398	-
	Emory University - Allergy and Infectious Diseases Research	A846689	93.855	163,265	-
	Cedars-Sinai Medical Center - Allergy and Infectious Diseases Research	0002297530	93.855	168,691	-
	University of Delaware - Allergy and Infectious Diseases Research	UDR0000436	93.855	181,909	-
	University of Massachusetts Medical School - Allergy and Infectious Diseases Research	OSP30213-YALE	93.855	192,061	-
	Benaroya Research Institute - Allergy and Infectious Diseases Research	FY19ITN356-FY24ITN356	93.855	194,605	-
	Scripps Health - Allergy and Infectious Diseases Research	5-55088	93.855	208,072	-
	Brigham and Women's Hospital - Allergy and Infectious Diseases Research	127563	93.855	209,488	-
	La Jolla Institute for Allergy and Immunology - Allergy and Infectious Diseases Research	20012-03-105-384	93.855	215,819	-
	HMH Hospitals Corporation - Allergy and Infectious Diseases Research	G20200-2242	93.855	217,943	-
	The Curators of the University of Missouri - Allergy and Infectious Diseases Research	C00079749-1	93.855	222,685	-
	COVID-19 University of Texas Southwestern Medical Center (The) - Allergy and Infectious Diseases Research	GMO230811	93.855	226,308	-
	Family Health International (FHI 360) - Allergy and Infectious Diseases Research	PO20000547	93.855	228,572	-
	Brigham and Women's Hospital - Allergy and Infectious Diseases Research	127564	93.855	244,750	-
	University of Utah - Allergy and Infectious Diseases Research	10062103-12-YU	93.855	262,400	-
	Weill Medical College of Cornell University - Allergy and Infectious Diseases Research	231114/PTE 5 UM1 AI164565-03	93.855	317,747	-
	University of Utah - Allergy and Infectious Diseases Research	10062103-13-YU	93.855	318,547	-
	J. David Gladstone Institutes - Allergy and Infectious Diseases Research	SC-00053	93.855	319,731	-
Regents of the University of Michigan - Allergy and Infectious Diseases Research	SUBK00011478	93.855	326,791	-	
University of Pittsburgh - Allergy and Infectious Diseases Research	AWD00005998 (139222-8)	93.855	419,918	-	
L2 Diagnostics, LLC - Allergy and Infectious Diseases Research	2R42AI142846	93.855	458,822	-	
La Jolla Institute for Allergy and Immunology - Allergy and Infectious Diseases Research	20012-02-105-384	93.855	486,666	-	
University of Maryland at Baltimore - Allergy and Infectious Diseases Research	20766	93.855	595,395	-	
University of Chicago - Allergy and Infectious Diseases Research	SUB00000752	93.855	880,571	-	
Family Health International (FHI 360) - Allergy and Infectious Diseases Research	PO23000491	93.855	2,433,811	-	
			14,054,490	-	
California State University Long Beach Research Foundation - Biomedical Research and Research Training	SG269322100YALE	93.859	1,412	-	
Rice University - Biomedical Research and Research Training	X03059930	93.859	9,494	-	
Virginia Commonwealth University - Biomedical Research and Research Training	FP00017948 SA001	93.859	21,420	-	
Pennsylvania State University - Biomedical Research and Research Training	S003022-YU	93.859	30,925	-	
New York University School of Medicine - Biomedical Research and Research Training	23-A0-00-1009150	93.859	54,889	-	
Virginia Polytechnic Institute and State University (Virginia Tech) - Biomedical Research and Research Training	412940-19162	93.859	60,774	-	
Michigan State University - Biomedical Research and Research Training	RC110379YU	93.859	60,967	-	
University of Pennsylvania - Biomedical Research and Research Training	581297	93.859	64,546	-	
Brown University - Biomedical Research and Research Training	00002185	93.859	66,889	-	
Johns Hopkins University - Biomedical Research and Research Training	2005729125	93.859	107,898	-	
Princeton University - Biomedical Research and Research Training	SUB0000405	93.859	140,523	-	
Stanford University - Biomedical Research and Research Training	63089403-244574	93.859	161,393	-	
University of Rhode Island - Biomedical Research and Research Training	0009865/12142022	93.859	206,245	-	
			987,375	-	
University of Colorado, Denver - Child Health and Human Development Extramural Research	1559816	93.865	(4,412)	(4,412)	

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**Yale University**  
**Schedule of Expenditures of Federal Awards**  
**Year Ended June 30, 2024**

<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<u>Federal Assistance Listing Number</u>	<u>Expenditures</u>	<u>Subrecipient Expenditures</u>
I. Research and Development Cluster				
Department of Health & Human Services				
Pass-through: (Continued)				
The Trustees of Columbia University in the City of New York - Child Health and Human Development Extramural Research	1(GG017754-01)	93.865	\$ 1,395	\$ -
University of Colorado, Denver - Child Health and Human Development Extramural Research	1559816	93.865	1,516	-
University of Pittsburgh - Child Health and Human Development Extramural Research	AWD00001006 (133278-3)	93.865	1,843	-
The Trustees of Columbia University in the City of New York - Child Health and Human Development Extramural Research	GG015839-06	93.865	3,482	-
Ann & Robert H. Lurie Children's Hospital - Child Health and Human Development Extramural Research	901615- Yale University	93.865	4,109	-
The Trustees of Columbia University in the City of New York - Child Health and Human Development Extramural Research	5(GG017683-01)	93.865	4,214	-
Women & Infants Hospital of Rhode Island - Child Health and Human Development Extramural Research	9585-61051	93.865	5,840	-
University of Alabama at Birmingham - Child Health and Human Development Extramural Research	000529934-SC003	93.865	6,925	-
The Trustees of Columbia University in the City of New York - Child Health and Human Development Extramural Research	5(GG017683-01)	93.865	7,459	-
University of Alabama at Birmingham - Child Health and Human Development Extramural Research	000538651-SC006	93.865	10,483	-
University of Wisconsin-Madison - Child Health and Human Development Extramural Research	0000003385	93.865	11,608	-
Children's Hospital Boston - Child Health and Human Development Extramural Research	GENFD0002335881	93.865	12,581	-
Children's Hospital of Philadelphia (The) - Child Health and Human Development Extramural Research	GRT-00002485	93.865	13,473	-
Rhode Island Hospital - Child Health and Human Development Extramural Research	7137362	93.865	14,237	-
Arizona State University - Child Health and Human Development Extramural Research	ASUB00001447	93.865	17,514	-
Rhode Island Hospital - Child Health and Human Development Extramural Research	7137953	93.865	18,805	-
Massachusetts General Hospital - Child Health and Human Development Extramural Research	241200	93.865	19,916	-
Brown University - Child Health and Human Development Extramural Research	00002409	93.865	23,145	-
The Trustees of Columbia University in the City of New York - Child Health and Human Development Extramural Research	7(GG018819-01)	93.865	26,188	-
Johns Hopkins University - Child Health and Human Development Extramural Research	2006334560	93.865	32,315	-
University of Vermont and State Agricultural College - Child Health and Human Development Extramural Research	AWD00001318SUB00000543	93.865	32,575	-
University of Colorado, Denver - Child Health and Human Development Extramural Research	FY24.571.001	93.865	43,269	-
University of Florida - Child Health and Human Development Extramural Research	SUB000003716	93.865	43,473	-
Massachusetts General Hospital - Child Health and Human Development Extramural Research	241843	93.865	52,117	-
University of Illinois at Urbana-Champaign - Child Health and Human Development Extramural Research	114998-19803	93.865	58,585	-
University of Utah - Child Health and Human Development Extramural Research	10051369-13	93.865	64,207	-
Florida State University - Child Health and Human Development Extramural Research	R000003291	93.865	64,473	-
Boston University - Child Health and Human Development Extramural Research	4500004421	93.865	64,763	-
Georgetown University - Child Health and Human Development Extramural Research	425695 GR412699-YaleU	93.865	70,264	-
University of Connecticut - Child Health and Human Development Extramural Research	175459873	93.865	76,136	-
Boston University - Child Health and Human Development Extramural Research	4500004999	93.865	86,247	-
University of Colorado, Denver - Child Health and Human Development Extramural Research	1564649	93.865	104,774	-
University of Connecticut - Child Health and Human Development Extramural Research	178278688	93.865	107,362	-
Weill Medical College of Cornell University - Child Health and Human Development Extramural Research	224014-16/ 226494-16	93.865	111,028	-
Rutgers, the State University of New Jersey - Child Health and Human Development Extramural Research	2992	93.865	123,995	-
Weill Medical College of Cornell University - Child Health and Human Development Extramural Research	240184-4	93.865	185,679	-
University of Connecticut - Child Health and Human Development Extramural Research	178261519	93.865	238,422	-
Weill Medical College of Cornell University - Child Health and Human Development Extramural Research	231888-1	93.865	290,263	-
			2,050,268	(4,412)
University of Southern California - Aging Research	105746775	93.866	(8,792)	-
Oregon Health Sciences University - Aging Research	1011170 YALE	93.866	(5,258)	-
University of Southern California - Aging Research	SCON-00004539	93.866	(5,050)	-
Brown University - Aging Research	00001622	93.866	(4,673)	(4,673)
University of Southern California - Aging Research	SCON-00004388	93.866	(891)	-
University of Washington, Seattle - Aging Research	UWSC13018	93.866	(45)	-
University of Southern California - Aging Research	125896878/PO #50886859	93.866	(21)	-
University of Southern California - Aging Research	139456908	93.866	468	-
Dartmouth College - Aging Research	R1032	93.866	639	-
Brown University - Aging Research	00001365	93.866	2,941	-
Albert Einstein College of Medicine - Aging Research	312066	93.866	3,096	-
Icahn School of Medicine at Mount Sinai (ISMMS) - Aging Research	0255-0046-4609	93.866	3,558	-

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**Yale University**  
**Schedule of Expenditures of Federal Awards**  
**Year Ended June 30, 2024**

<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<u>Federal Assistance Listing Number</u>	<u>Expenditures</u>	<u>Subrecipient Expenditures</u>
<b>I. Research and Development Cluster</b>				
<b>Department of Health &amp; Human Services</b>				
<b>Pass-through: (Continued)</b>				
University of Colorado, Denver - Aging Research	FY24.930.005	93.866	\$ 5,821	\$ -
Research Foundation for Mental Hygiene - Aging Research	158665	93.866	5,832	-
Regents University of California, San Francisco - Aging Research	14609sc	93.866	7,735	-
Washington University in St. Louis - Aging Research	WU-23-0253	93.866	8,645	-
Indiana University - Aging Research	9048 YU	93.866	9,131	-
University of Alabama at Birmingham - Aging Research	000528982-SC001	93.866	10,531	-
University of North Carolina - Aging Research	5129333	93.866	10,571	-
Johns Hopkins University - Aging Research	2005634811	93.866	11,115	-
COVID-19 Vanderbilt University Medical Center - Aging Research	VUMC120229	93.866	11,365	-
Northern California Institute for Research & Education - Aging Research	STE2196-33	93.866	13,261	-
Massachusetts General Hospital - Aging Research	243823	93.866	13,308	-
Icahn School of Medicine at Mount Sinai (ISMMS) - Aging Research	0255-B551-4609	93.866	13,524	-
Mayo Clinic of Rochester - Aging Research	YAL-263807-05	93.866	14,173	-
University of Connecticut Health Center - Aging Research	UCHC7-180474849	93.866	14,431	-
Regents of the University of Michigan - Aging Research	SUBK00019621	93.866	14,734	-
Icahn School of Medicine at Mount Sinai (ISMMS) - Aging Research	0255-F201-4609	93.866	16,005	-
University of Washington, Seattle - Aging Research	UWSC13018	93.866	16,461	-
Northwestern University - Aging Research	60062889 YALE	93.866	16,734	-
Regents of the University of Michigan - Aging Research	SUBK00019040	93.866	16,934	-
Kaiser Foundation Research Institute - Aging Research	RNG212097-01	93.866	17,341	-
University of Florida - Aging Research	SUB00004241	93.866	17,847	-
Icahn School of Medicine at Mount Sinai (ISMMS) - Aging Research	0255-0045-4609	93.866	19,541	-
Washington University in St. Louis - Aging Research	WU-24-0278	93.866	19,742	-
University of Washington, Seattle - Aging Research	UWSC14340	93.866	19,999	-
University of Southern California - Aging Research	SCON-00005558	93.866	21,312	-
University of Florida - Aging Research	SUB00003672	93.866	21,937	-
COVID-19 Northwestern University - Aging Research	60062199 YALE	93.866	22,146	-
Board of Trustees of Leland Stanford Junior University - Aging Research	62926176-236617	93.866	22,476	-
Research Foundation of CUNY - Aging Research	CM00008280-01	93.866	23,223	-
Regents of the University of Michigan - Aging Research	SUBK00019040	93.866	23,366	-
University of New Haven - Aging Research	FD45-S001	93.866	23,631	-
Brown University - Aging Research	00002370	93.866	23,933	-
Massachusetts General Hospital - Aging Research	243813	93.866	24,319	-
Syracuse University - Aging Research	30917-05467-S25	93.866	24,949	-
Emory University - Aging Research	A695566	93.866	27,084	-
University of Southern California - Aging Research	SCON-00004903	93.866	27,598	-
Icahn School of Medicine at Mount Sinai (ISMMS) - Aging Research	0255-8443-4609	93.866	28,390	-
University of Southern California - Aging Research	SCON-00005896	93.866	28,534	-
University of Southern California - Aging Research	SCON-00005606	93.866	28,558	-
Kaiser Foundation Hospitals - Aging Research	RNG210267-02	93.866	31,124	-
Borrow My Glasses LLC - Aging Research	1R41AG084405-01	93.866	31,362	-
New York University Grossman School of Medicine - Aging Research	24-A1-00-1011311	93.866	32,140	-
Regents University of California, San Francisco - Aging Research	14610sc	93.866	32,510	-
Syracuse University - Aging Research	30917-05467-S27	93.866	35,000	-
University of Southern California - Aging Research	140478298	93.866	35,040	-
American Federation for Aging Research - Aging Research	19-CSTAR-YALE	93.866	36,451	-
Research Foundation of State University of New York (SUNY) - Aging Research	230-1178230-95667	93.866	37,996	-
Dartmouth College - Aging Research	R1776	93.866	43,207	-
Icahn School of Medicine at Mount Sinai (ISMMS) - Aging Research	0255-E261-4609	93.866	43,806	-
The Curators of the University of Missouri - Aging Research	C00079176-1	93.866	44,552	-
University of Texas Southwestern Medical Center (The) - Aging Research	GMO241130 PO0000003214	93.866	46,120	-
Duke University - Aging Research	A032814 - Trial # 7916 Preventable - Site #1804	93.866	47,229	-
University of Southern California - Aging Research	SCON-00005713	93.866	47,328	-
New York University Grossman School of Medicine - Aging Research	24-A0-00-1011310	93.866	49,536	-
University of Southern California - Aging Research	129138899/PO #50886624	93.866	51,999	-
University of Massachusetts Medical School - Aging Research	SUB00000399	93.866	52,604	-

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**Yale University**  
**Schedule of Expenditures of Federal Awards**  
**Year Ended June 30, 2024**

<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<u>Federal Assistance Listing Number</u>	<u>Expenditures</u>	<u>Subrecipient Expenditures</u>
I. Research and Development Cluster				
Department of Health & Human Services				
Pass-through: (Continued)				
Cognition Therapeutics, Inc. - Aging Research	5248-2302	93.866	\$ 54,727	\$ -
University of California, San Diego - Aging Research	72751728 / 72752638	93.866	55,080	-
University of Michigan - Aging Research	SUBK00018583	93.866	55,887	-
Pennsylvania State University - Aging Research	YALEAG072484	93.866	57,985	-
Washington University in St. Louis - Aging Research	WU-19-278	93.866	58,051	-
Beth Israel Deaconess Medical Center - Aging Research	GRT66052	93.866	58,248	-
University of Southern California - Aging Research	79658009	93.866	58,724	-
University of Southern California - Aging Research	SCON-00005437	93.866	60,977	-
Massachusetts General Hospital - Aging Research	233344	93.866	62,815	-
New York University School of Medicine - Aging Research	23-A1-00-1007569	93.866	73,528	-
University of California, San Diego - Aging Research	706147	93.866	73,556	-
University of Rhode Island - Aging Research	0009805/0032323	93.866	74,166	-
Wake Forest University Health Sciences - Aging Research	1883-33664-11000001062	93.866	74,924	-
Johns Hopkins University - Aging Research	5R01AG069930	93.866	83,229	-
Creative Bio-Peptides, Inc. - Aging Research	23-005137	93.866	83,402	-
Board of Regents of the University of Wisconsin System on Behalf of the University of Wisconsin-Madison - Aging Research	0000001240	93.866	85,325	-
Mayo Clinic of Rochester - Aging Research	YAL-263807/PO #67138494	93.866	85,622	-
Northern California Institute for Research & Education - Aging Research	STE2196-33	93.866	102,187	-
Oregon Health Sciences University - Aging Research	1013624 YALE	93.866	108,376	-
Icahn School of Medicine at Mount Sinai (ISMMS) - Aging Research	0255-E702-4609	93.866	108,612	-
Johns Hopkins University - Aging Research	Hwang - 2005880019	93.866	109,627	-
University of Southern California - Aging Research	129210955/PO #50888848	93.866	141,668	-
University of Connecticut - Aging Research	178627371	93.866	150,313	-
University of Southern California - Aging Research	120126042/PO #50886674	93.866	175,296	-
University of Pennsylvania - Aging Research	583356	93.866	219,465	-
Brigham and Women's Hospital - Aging Research	128797	93.866	223,919	-
University of South Florida - Aging Research	6144-1336-00-B	93.866	237,523	-
University of Southern California - Aging Research	SCON-00005615	93.866	292,557	-
University of Southern California - Aging Research	107936659	93.866	319,381	-
University of Minnesota - Aging Research	N010326001	93.866	404,332	-
Brown University - Aging Research	00001365	93.866	431,560	-
Johns Hopkins University - Aging Research	2005596199	93.866	460,963	-
Icahn School of Medicine at Mount Sinai (ISMMS) - Aging Research	0255-E701-4609	93.866	571,336	-
Regents of the University of California - Aging Research	1558 G WA348	93.866	599,379	-
			7,192,953	(4,673)
TargetSite Therapeutics - Department Of Health And Human Services	1R43EY032840-01	93.867	(17)	-
Duke University - Vision Research	A034048	93.867	(2,362)	-
Icahn School of Medicine at Mount Sinai (ISMMS) - Vision Research	0255-C691-4609	93.867	11,036	-
University of Alabama at Birmingham - Vision Research	000527995-SC001	93.867	103,364	-
University of Maryland - Vision Research	92379-Z0300201	93.867	142,375	-
University of Nebraska Medical Center - Vision Research	34-5270-2024-023	93.867	191,975	-
University of California, Los Angeles (UCLA) - Vision Research	1850 G IA777	93.867	238,367	-
			684,738	-
Rutgers, the State University of New Jersey - Medical Library Assistance	SUB00002627	93.879	14,082	-
Temple University - Medical Library Assistance	265483-YALE	93.879	50,697	-
University of Pennsylvania - Medical Library Assistance	583085	93.879	64,940	-
University of Pennsylvania - Medical Library Assistance	583085	93.879	78,741	-
			208,460	-
University of California, Berkeley - International Research and Research Training	00009519	93.989	(314)	-
University of Rochester - International Research and Research Training	SUB00000660AM1 / UR FAO GR534258	93.989	6,378	-
Biotechnology Research Institute, KALRO - International Research and Research Training	5D43TW011813	93.989	14,159	-
University of Rochester - International Research and Research Training	SUB00000660 / UR FAO GR534258	93.989	21,244	-

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**Yale University**  
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**Year Ended June 30, 2024**

<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<u>Federal Assistance Listing Number</u>	<u>Expenditures</u>	<u>Subrecipient Expenditures</u>
<b>I. Research and Development Cluster</b>				
<b>Department of Health &amp; Human Services</b>				
<b>Pass-through: (Continued)</b>				
Centro Internacional de Entrenamiento e Investigaciones Medicas (CIDIEM) - International Research and Research Training	001-2020	93.989	\$ 28,351	\$ -
The Trustees of Columbia University in the City of New York - International Research and Research Training	1(GG017766-01)	93.989	<u>114,397</u>	<u>-</u>
			<u>184,215</u>	<u>-</u>
Subtotal - Department of Health & Human Services - Pass Through			82,297,805	484,036
Subtotal - Department of Health & Human Services			740,124,090	111,287,056
<b>Department of Housing and Urban Development</b>				
<b>Pass Through:</b>				
University of Tulsa - Healthy Homes Technical Studies Grants	14-2-12-148316-66019	14.906	<u>40,886</u>	<u>-</u>
			<u>40,886</u>	<u>-</u>
Subtotal - Department of Housing and Urban Development			40,886	-
<b>Department of Justice</b>				
<b>Direct:</b>				
OVW Research and Evaluation Program	2018-SI-AX-0005	16.026	109,152	3,795
OVW Research and Evaluation Program	15JOVW-22-GG-04755-STOP	16.026	<u>173,603</u>	<u>-</u>
			<u>282,755</u>	<u>3,795</u>
Subtotal - Department of Justice - Direct			282,755	3,795
<b>Department of Justice</b>				
<b>Pass-Through:</b>				
University of Pittsburgh - National Institute of Justice Research, Evaluation, and Development Project Grants	CNVA00059288 (413841-2)	16.560	<u>280,607</u>	<u>-</u>
			<u>280,607</u>	<u>-</u>
Subtotal - Department of Justice - Pass Through			280,607	-
Subtotal - Department of Justice			563,362	3,795
<b>Department of the Interior</b>				
<b>Direct:</b>				
Water Desalination Research and Development	R21AC10502-00	15.506	<u>72,540</u>	<u>-</u>
			<u>72,540</u>	<u>-</u>
U.S. Geological Survey_ Research and Data Collection	G23AC00275-00	15.808	<u>38,329</u>	<u>-</u>
			<u>38,329</u>	<u>-</u>
Subtotal - Department of the Interior- Direct			110,869	-
Subtotal - Department of the Interior			110,869	-
<b>Department of State</b>				
<b>Direct:</b>				
Public Diplomacy Programs	SJO10021GR3024	19.040	<u>29,071</u>	<u>8,620</u>
			<u>29,071</u>	<u>8,620</u>
Subtotal - Department of State - Direct			29,071	8,620
<b>Department of State</b>				
<b>Pass Through:</b>				
Environmental Systems Research Institute, Inc - U.S Department of State	00309075.0	19.RD	<u>915,183</u>	<u>-</u>
			<u>915,183</u>	<u>-</u>
The Urban Institute - International Programs to Combat Human Trafficking	102959-0001-YALE-01	19.019	<u>65,187</u>	<u>-</u>
			<u>65,187</u>	<u>-</u>
Subtotal- Department of State - Pass Through			980,370	-
Subtotal - Department of State			1,009,441	8,620

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**Yale University**  
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<u>Federal Agency/Pass-Through Entity/Program Title</u>		<u>Direct / Pass-Through Number</u>	<b>Federal Assistance Listing Number</b>	<u>Expenditures</u>	<b>Subrecipient Expenditures</b>
<b>I. Research and Development Cluster</b>					
<b>Department of Transportation</b>					
<b>Direct:</b>					
Department of Transportation	DTNH2216C00022	20.RD	\$	56,291	\$ 44,173
				<u>56,291</u>	<u>44,173</u>
	Subtotal - Department of Transportation - Direct			56,291	44,173
	Subtotal - Department of Transportation			56,291	44,173
<b>Environmental Protection Agency</b>					
<b>Direct:</b>					
P3 Award: National Student Design Competition for Sustainability	84016501	66.516		(269)	-
				<u>(269)</u>	<u>-</u>
	Subtotal - Environmental Protection Agency - Direct			(269)	-
<b>Environmental Protection Agency</b>					
<b>Pass Through:</b>					
COVID-19	Health Effects Institute - Environmental Protection Agency	5006-RFQE23-1/24-10	66.RD	6,973	-
	Health Effects Institute - Environmental Protection Agency	4987-RFA20-1A/21-10	66.RD	96,222	17,597
	Health Effects Institute - Environmental Protection Agency	4987-RFA20-1A/21-10	66.RD	146,626	95,426
	Health Effects Institute - Environmental Protection Agency	4984-RFA20-1B/21-7-2	66.RD	48,901	-
	Health Effects Institute - Environmental Protection Agency	4984-RFA20-1B/21-7-2	66.RD	<u>121,880</u>	<u>147,244</u>
				<u>420,602</u>	<u>260,267</u>
	Board of Regents of the University of Wisconsin System on Behalf of the University of Wisconsin-Madison - Science To Achieve Results (STAR) Research Program	0000003146	66.509	117,847	-
				<u>117,847</u>	<u>-</u>
	Greater Dwight Development Corporation - Environmental Justice Small Grant Program	EPA# 00A00600	66.604	14,171	-
				<u>14,171</u>	<u>-</u>
	Subtotal - Environmental Protection Agency - Pass Through			552,620	260,267
	Subtotal - Environmental Protection Agency			<u>552,351</u>	<u>260,267</u>
<b>National Aeronautics &amp; Space Administration</b>					
<b>Direct:</b>					
National Aeronautics & Space Administration	80NSSC20K0511	43.RD		100	-
				<u>100</u>	<u>-</u>
<b>National Aeronautics &amp; Space Administration</b>					
<b>Direct:</b>					
Science	80NSSC22K1614	43.001		4,611	-
Science	80NSSC22K0692	43.001		7,622	-
Science	80NSSC21K1509	43.001		9,865	-
Science	80NSSC23M0004	43.001		27,395	-
Science	80NSSC22K1134	43.001		27,566	-
Science	80NSSC20K0483	43.001		28,207	-
Science	80NSSC24K0007	43.001		42,855	-
Science	80NSSC21K2041	43.001		45,298	-
COVID-19 Science	80NSSC22K0793	43.001		46,406	-
Science	80NSSC22K1077	43.001		57,012	-
Science	80NSSC22K1619	43.001		59,410	-
COVID-19 Science	80NSSC22K1535	43.001		64,164	-
Science	80NSSC24K0359	43.001		68,113	-
Science	80NSSC22K0657	43.001		71,012	-
Science	80NSSC21K1095	43.001		83,504	-
Science	80NSSC23K0544	43.001		94,596	-
Science	80NSSC22K1666	43.001		97,978	66,666
Science	80NSSC23K0563	43.001		117,525	-
Science	80NSSC21K0558	43.001		120,641	-
Science	80NSSC22K1686	43.001		<u>196,071</u>	<u>-</u>
				<u>1,269,851</u>	<u>66,666</u>

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**Yale University**  
**Schedule of Expenditures of Federal Awards**  
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<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<u>Federal Assistance Listing Number</u>	<u>Expenditures</u>	<u>Subrecipient Expenditures</u>
I. Research and Development Cluster				
National Aeronautics & Space Administration Continued				
Direct:				
Space Technology	80NSSC21K1269	43.012	\$ 71,287	\$ -
Space Technology	80NSSC22K1188	43.012	74,013	-
			145,300	-
Subtotal - National Aeronautics & Space Administration - Direct			1,415,251	66,666
Pass Through:				
Space Telescope Science Institute (STSCI)/NASA - National Aeronautics & Space Administration	JWST-GO-01706.008-A	43.RD	16,247	-
Johns Hopkins University - National Aeronautics & Space Administration	174769	43.RD	19,575	-
InnoSense, LLC - National Aeronautics & Space Administration	ISL-YALE-3138-030322	43.RD	40,917	-
Space Telescope Science Institute (STSCI)/NASA - National Aeronautics & Space Administration	HST-GO-16912.001-A	43.RD	41,878	-
Space Telescope Science Institute (STSCI)/NASA - National Aeronautics & Space Administration	JWST-GO-02198.003-A	43.RD	42,301	-
Jet Propulsion Laboratory (JPL)/NASA - National Aeronautics & Space Administration	#1665641	43.RD	45,198	-
Johns Hopkins University - National Aeronautics & Space Administration	174769	43.RD	46,298	-
Arizona State University - National Aeronautics & Space Administration	17-252	43.RD	58,446	-
Space Telescope Science Institute (STSCI)/NASA - National Aeronautics & Space Administration	STScI - Subcontract 52846	43.RD	63,159	-
Space Telescope Science Institute (STSCI)/NASA - National Aeronautics & Space Administration	HST-GO-16259.004-A	43.RD	84,601	-
Space Telescope Science Institute (STSCI)/NASA - National Aeronautics & Space Administration	HST-GO-16678.001-A	43.RD	85,024	-
Space Telescope Science Institute (STSCI)/NASA - National Aeronautics & Space Administration	HST-HF2-51486.001-A	43.RD	131,642	-
University of Miami - National Aeronautics & Space Administration	OS00001188	43.RD	144,188	-
			819,474	-
Duke University - Science	343-000161	43.001	1,122	-
Universities Space Research Association (USRA) - Science	05211-01	43.001	1,366	-
California Institute of Technology (Caltech) - Science	S629959	43.001	3,029	-
Space Telescope Science Institute (STSCI)/NASA - Science	HST-GO-17508.002-A	43.001	5,657	-
Space Science Institute - Science	000994	43.001	6,619	-
Clemson University - Science	2703-204-2016850	43.001	14,643	-
Rensselaer Polytechnic Institute - Science	A19-0117-S001	43.001	56,539	-
Smithsonian Astrophysical Observatory - Science	TM3-24007X	43.001	63,159	-
Virginia Polytechnic Institute and State University (Virginia Tech) - Science	426754-19162	43.001	77,668	-
University of California, Riverside - Science	S-001433	43.001	283,210	-
Jet Propulsion Laboratory (JPL)/NASA - Science	1675801	43.001	481,946	-
			994,958	-
Southwest Research Institute - Exploration	R99075JA	43.003	47,385	-
			47,385	-
University of Hartford - Education	2209	43.008	444	-
University of Hartford - Education	2205	43.008	462	-
University of Hartford - Education	2210	43.008	462	-
University of Hartford - Education	2206	43.008	462	-
University of Hartford - Education	2207	43.008	467	-
University of Hartford - Education	2200	43.008	471	-
University of Hartford - Education	2202	43.008	475	-
University of Hartford - Education	2201	43.008	488	-
University of Hartford - Education	2191	43.008	496	-
University of Hartford - Education	P-2126	43.008	538	-
University of Hartford - Education	2208	43.008	550	-
University of Hartford - Education	2204	43.008	550	-
University of Hartford - Education	2199	43.008	550	-
University of Hartford - Education	2203	43.008	550	-
University of Hartford - Education	P-1780	43.008	711	-
University of Hartford - Education	1937	43.008	973	-
University of Hartford - Education	2131	43.008	1,142	-
University of Hartford - Education	2133	43.008	1,500	-
University of Hartford - Education	P-1706	43.008	1,863	-
University of Hartford - Education	P-1698	43.008	4,646	-
University of Hartford - Education	2026	43.008	6,000	-

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**Yale University**  
**Schedule of Expenditures of Federal Awards**  
**Year Ended June 30, 2024**

<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<u>Federal Assistance Listing Number</u>	<u>Expenditures</u>	<u>Subrecipient Expenditures</u>
I. Research and Development Cluster				
National Aeronautics & Space Administration Continued				
Pass Through:				
University of Hartford - Education	1932	43.008	\$ 6,667	\$ -
University of Hartford - Education	1999	43.008	7,300	-
University of Hartford - Education	2000	43.008	7,300	-
University of Hartford - Education	2074	43.008	11,680	-
			<u>56,747</u>	<u>-</u>
	Subtotal - National Aeronautics & Space Administration - Pass Through		1,918,564	-
	Subtotal - National Aeronautics & Space Administration		3,333,815	66,666
National Science Foundation				
Direct:				
National Science of Foundation	TI-2415021	47.RD	3,799	-
National Science of Foundation	2141275	47.RD	33,314	-
National Science of Foundation	CBET-2420367	47.RD	<u>106,997</u>	<u>-</u>
			<u>144,110</u>	<u>-</u>
Engineering Grants	1832795	47.041	97	-
Engineering Grants	ECCS-2328742	47.041	9,084	-
Engineering Grants	CBET-1751971	47.041	15,581	-
Engineering Grants	CBET-2001219	47.041	23,401	-
Engineering Grants	CBET - 2315077	47.041	42,493	-
Engineering Grants	CBET-2326317	47.041	50,959	-
Engineering Grants	2132823	47.041	52,673	-
Engineering Grants	CBET2028351	47.041	58,813	-
Engineering Grants	CBET-2024473	47.041	60,675	-
Engineering Grants	CMMI-2029756	47.041	69,753	44,415
Engineering Grants	1830870	47.041	75,623	26,265
Engineering Grants	CMMI-1928448	47.041	76,445	-
Engineering Grants	CBET-2055416	47.041	77,286	-
Engineering Grants	1830904	47.041	77,656	-
Engineering Grants	ECCS-2150561	47.041	82,580	-
Engineering Grants	CBET-2011362	47.041	84,558	-
Engineering Grants	1953959	47.041	89,915	-
Engineering Grants	CMMI-2311311	47.041	97,472	-
Engineering Grants	CBET-1955793	47.041	117,483	-
Engineering Grants	CBET-2120418	47.041	130,222	-
Engineering Grants	CBET-2210894	47.041	138,697	-
Engineering Grants	IIS- 2143109	47.041	139,380	-
Engineering Grants	CBET-2038439	47.041	185,623	23,021
Engineering Grants	CMMI-2046120	47.041	199,328	-
Engineering Grants	CMMI-2232649	47.041	205,254	-
Engineering Grants	CBET-2110138	47.041	223,240	-
Engineering Grants	2129963	47.041	229,341	59,111
Engineering Grants	CMMI-2118988	47.041	<u>564,926</u>	<u>-</u>
			3,178,558	152,812

**Yale University**  
**Schedule of Expenditures of Federal Awards**  
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<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<u>Federal Assistance Listing Number</u>	<u>Expenditures</u>	<u>Subrecipient Expenditures</u>
I. Research and Development Cluster				
National Science Foundation				
Direct: (Continued)				
Mathematical and Physical Sciences	DMS-2005312	47.049	\$ 689	\$ -
Mathematical and Physical Sciences	MCB-2412821	47.049	956	-
Mathematical and Physical Sciences	CHE-2337991	47.049	1,759	-
Mathematical and Physical Sciences	AST 1714710	47.049	1,800	-
Mathematical and Physical Sciences	DMS-2141529	47.049	2,073	-
Mathematical and Physical Sciences	1954254	47.049	3,016	-
Mathematical and Physical Sciences	DMR-2337987	47.049	5,657	-
Mathematical and Physical Sciences	2103902	47.049	5,875	-
Mathematical and Physical Sciences	DMS-1900743	47.049	7,869	-
Mathematical and Physical Sciences	DMS-2423098	47.049	10,163	-
Mathematical and Physical Sciences	1954348	47.049	11,049	-
Mathematical and Physical Sciences	DMS-1916251	47.049	13,876	-
Mathematical and Physical Sciences	SOSPADA-031	47.049	14,861	-
Mathematical and Physical Sciences	2132343-DMR	47.049	16,109	-
Mathematical and Physical Sciences	DMS-1951394	47.049	17,977	-
Mathematical and Physical Sciences	CHE-1904813	47.049	18,159	-
Mathematical and Physical Sciences	CHE-1900119	47.049	24,519	-
Mathematical and Physical Sciences	DMS-2005328	47.049	24,807	-
Mathematical and Physical Sciences	SOSPA9-002	47.049	27,451	-
Mathematical and Physical Sciences	MCB-2420904	47.049	31,570	-
Mathematical and Physical Sciences	DMS-2310836	47.049	37,713	-
Mathematical and Physical Sciences	DMR-2104316	47.049	40,034	-
Mathematical and Physical Sciences	DMS-2209685	47.049	42,313	-
Mathematical and Physical Sciences	2345215	47.049	44,468	-
Mathematical and Physical Sciences	DMS-2350356	47.049	46,168	-
Mathematical and Physical Sciences	DMS-2416129	47.049	47,858	-
Mathematical and Physical Sciences	AST-2414468	47.049	49,746	-
Mathematical and Physical Sciences	DMS-2301474	47.049	51,104	-
Mathematical and Physical Sciences	1955237	47.049	51,744	-
Mathematical and Physical Sciences	DMS-2327211	47.049	52,015	-
Mathematical and Physical Sciences	DMR-1846109	47.049	62,645	-
Mathematical and Physical Sciences	DMS-2311252	47.049	66,169	-
Mathematical and Physical Sciences	2140196	47.049	69,484	-
Mathematical and Physical Sciences	CHE-2247258	47.049	72,605	-
Mathematical and Physical Sciences	2107929	47.049	74,622	-
Mathematical and Physical Sciences	CHE-2203527	47.049	75,241	-
Mathematical and Physical Sciences	1905465	47.049	75,278	-
Mathematical and Physical Sciences	2006911	47.049	78,057	-
Mathematical and Physical Sciences	2142476	47.049	79,482	-
Mathematical and Physical Sciences	DMS-1918925	47.049	80,282	-
Mathematical and Physical Sciences	AST-1751763	47.049	82,103	-
Mathematical and Physical Sciences	DMS-2153059	47.049	82,329	-
Mathematical and Physical Sciences	1953708	47.049	84,497	-
Mathematical and Physical Sciences	1913742	47.049	84,978	-
Mathematical and Physical Sciences	2112711	47.049	92,752	-
Mathematical and Physical Sciences	DMS-2137909	47.049	98,214	21,596
Mathematical and Physical Sciences	CHE-2305138	47.049	111,776	-
Mathematical and Physical Sciences	DMR-2320956	47.049	120,751	-
Mathematical and Physical Sciences	DMS-2054841	47.049	122,173	-
Mathematical and Physical Sciences	DMS-2146997	47.049	125,418	-
Mathematical and Physical Sciences	AST-2108341	47.049	128,745	-
Mathematical and Physical Sciences	DMR-2114081	47.049	130,816	-
Mathematical and Physical Sciences	DMR 2237469	47.049	134,710	-

The accompanying notes are an integral part of this schedule

**Yale University**  
**Schedule of Expenditures of Federal Awards**  
**Year Ended June 30, 2024**

<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<u>Federal Assistance Listing Number</u>	<u>Expenditures</u>	<u>Subrecipient Expenditures</u>
I. Research and Development Cluster				
National Science Foundation				
Direct: (Continued)				
Mathematical and Physical Sciences	DMS-2112918	47.049	\$ 136,131	\$ -
Mathematical and Physical Sciences	PHY - 2145223	47.049	137,499	-
Mathematical and Physical Sciences	2034345	47.049	138,416	259
Mathematical and Physical Sciences	DMS-2050398	47.049	145,360	-
Mathematical and Physical Sciences	2154840	47.049	149,209	-
Mathematical and Physical Sciences	DMS-2001139	47.049	149,340	-
Mathematical and Physical Sciences	2205026	47.049	150,552	-
Mathematical and Physical Sciences	DMS-1900101	47.049	154,953	-
Mathematical and Physical Sciences	AST-2009528	47.049	157,127	50,419
Mathematical and Physical Sciences	2206055	47.049	162,876	-
Mathematical and Physical Sciences	CHE-1845184	47.049	168,602	-
Mathematical and Physical Sciences	1945324	47.049	170,740	-
Mathematical and Physical Sciences	1954319	47.049	175,134	-
Mathematical and Physical Sciences	DMR-2205006	47.049	176,328	-
Mathematical and Physical Sciences	CHE-2108690	47.049	192,392	-
Mathematical and Physical Sciences	PHY- 2210464	47.049	194,404	-
Mathematical and Physical Sciences	2109329	47.049	195,368	-
Mathematical and Physical Sciences	CHE-2203589	47.049	197,870	-
Mathematical and Physical Sciences	2011357	47.049	198,327	-
Mathematical and Physical Sciences	AST-2307280	47.049	200,452	-
Mathematical and Physical Sciences	PHY-2102789	47.049	200,672	-
Mathematical and Physical Sciences	PHY-2012406	47.049	208,170	-
Mathematical and Physical Sciences	PHY-2110303	47.049	212,640	-
Mathematical and Physical Sciences	1954453	47.049	215,767	-
Mathematical and Physical Sciences	2002275	47.049	238,807	-
Mathematical and Physical Sciences	2154724	47.049	242,948	53,772
Mathematical and Physical Sciences	CHE-2108681	47.049	251,148	-
Mathematical and Physical Sciences	2239171-DMR	47.049	251,634	-
Mathematical and Physical Sciences	DMR - 2313648	47.049	256,056	-
Mathematical and Physical Sciences	PHY-2309631	47.049	264,010	-
Mathematical and Physical Sciences	OMA-2137740	47.049	625,082	409,483
Mathematical and Physical Sciences	2124511	47.049	790,506	383,879
			9,945,045	919,408
Geosciences	AGS-1903528	47.050	812	-
Geosciences	EAR-1926421	47.050	4,478	-
Geosciences	AGS-2131084	47.050	5,812	-
Geosciences	2024574	47.050	10,771	-
Geosciences	EAR-1800923	47.050	12,490	-
Geosciences	2102853	47.050	14,643	-
Geosciences	1818792	47.050	17,563	-
Geosciences	EAR-2334455	47.050	18,028	-
Geosciences	2049090	47.050	19,629	-
Geosciences	2102777	47.050	29,675	-
Geosciences	OPP-1737687	47.050	51,123	-
Geosciences	ICER-2023113	47.050	51,965	22,445
Geosciences	1953549	47.050	63,832	-
Geosciences	EAR-2026917	47.050	78,324	-
Geosciences	2220234	47.050	83,364	-
Geosciences	2053096	47.050	91,006	-
Geosciences	2140281	47.050	97,860	-
Geosciences	2208393	47.050	98,588	-
Geosciences	2147536	47.050	98,841	-
Geosciences	2001339	47.050	100,722	-

**Yale University**  
**Schedule of Expenditures of Federal Awards**  
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<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<b>Federal Assistance Listing</b>		<b>Subrecipient</b>
		<b>Number</b>	<b>Expenditures</b>	<b>Expenditures</b>
<b>I. Research and Development Cluster</b>				
<b>National Science Foundation</b>				
<b>Direct: (Continued)</b>				
Geosciences	EAR-2322719	47.050	\$ 113,998	\$ -
Geosciences	2208229	47.050	128,352	-
Geosciences	EAR-2224727	47.050	161,888	-
Geosciences	2153688	47.050	171,172	-
Geosciences	2021319	47.050	185,377	-
Geosciences	ICER-1824770	47.050	403,454	284,737
			<u>2,113,767</u>	<u>307,182</u>
Computer and Information Science and Engineering	IIS-1942257	47.070	24	-
Computer and Information Science and Engineering	CNS-2227133	47.070	1,875	-
Computer and Information Science and Engineering	IIS-2007283	47.070	3,219	-
Computer and Information Science and Engineering	CCF-2338063	47.070	6,006	-
Computer and Information Science and Engineering	CNS-2240207	47.070	6,816	-
Computer and Information Science and Engineering	IIS-1822650	47.070	11,086	-
Computer and Information Science and Engineering	IIS-1924802	47.070	11,720	-
Computer and Information Science and Engineering	IIS-2306573	47.070	11,916	-
Computer and Information Science and Engineering	CCF-2131356	47.070	18,269	-
Computer and Information Science and Engineering	2312366	47.070	18,767	-
Computer and Information Science and Engineering	IIS-1955225	47.070	36,226	-
Computer and Information Science and Engineering	CNS-1901901	47.070	44,536	-
Computer and Information Science and Engineering	CCF-2318974	47.070	45,224	-
Computer and Information Science and Engineering	CCF-2219995	47.070	60,754	-
Computer and Information Science and Engineering	CCF-1942583	47.070	66,504	-
Computer and Information Science and Engineering	2238227	47.070	67,772	-
Computer and Information Science and Engineering	CCF-1900507	47.070	72,385	-
Computer and Information Science and Engineering	CCF-2312754	47.070	72,607	-
Computer and Information Science and Engineering	CCF-2342642	47.070	80,948	-
Computer and Information Science and Engineering	2238066	47.070	84,688	-
Computer and Information Science and Engineering	CNS-2415403	47.070	88,016	-
Computer and Information Science and Engineering	2045951-IIS	47.070	91,217	-
Computer and Information Science and Engineering	CNS-2153768	47.070	91,878	-
Computer and Information Science and Engineering	CNS-2132573	47.070	95,152	-
Computer and Information Science and Engineering	IIS-2132280	47.070	96,089	-
Computer and Information Science and Engineering	CNS-2128530	47.070	98,437	-
Computer and Information Science and Engineering	CNS-1651945	47.070	99,024	-
Computer and Information Science and Engineering	CNS-2247308	47.070	99,069	-
Computer and Information Science and Engineering	IIS-1845032	47.070	110,083	-
Computer and Information Science and Engineering	CNS-2047220	47.070	114,350	-
Computer and Information Science and Engineering	CNS-2054957	47.070	125,720	-
Computer and Information Science and Engineering	CNS-1955204	47.070	125,909	-
Computer and Information Science and Engineering	CCF-1763399	47.070	126,449	-
Computer and Information Science and Engineering	CNS-2245344	47.070	129,732	-
Computer and Information Science and Engineering	CCF-2131466	47.070	134,495	-
Computer and Information Science and Engineering	CCF-2106845	47.070	137,311	-
Computer and Information Science and Engineering	2242215	47.070	138,244	-
Computer and Information Science and Engineering	CNS-2212235	47.070	140,460	-
Computer and Information Science and Engineering	CNS-2130257	47.070	168,766	-
Computer and Information Science and Engineering	IIS-1954591	47.070	175,168	-
Computer and Information Science and Engineering	CNS-2211945	47.070	179,625	-
Computer and Information Science and Engineering	1918784	47.070	187,718	-
Computer and Information Science and Engineering	CCF-2131476	47.070	197,189	-
Computer and Information Science and Engineering	CCF-2019285	47.070	197,943	33,969
Computer and Information Science and Engineering	IIS - 2047856	47.070	211,861	-

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**Yale University**  
**Schedule of Expenditures of Federal Awards**  
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<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<u>Federal Assistance Listing Number</u>	<u>Expenditures</u>	<u>Subrecipient Expenditures</u>
I. Research and Development Cluster				
National Science Foundation				
Direct: (Continued)				
Computer and Information Science and Engineering	IIS-2106690	47.070	\$ 222,355	\$ -
Computer and Information Science and Engineering	OAC-2018873	47.070	364,672	159,072
Computer and Information Science and Engineering	2147946	47.070	489,202	-
Computer and Information Science and Engineering	CNS-2216030	47.070	528,152	-
			5,685,628	193,041
Biological Sciences	MCB-1749662	47.074	(1,013)	-
Biological Sciences	2032073	47.074	(94)	-
Biological Sciences	1846010	47.074	11	-
Biological Sciences	DBI-1701769	47.074	1,929	-
Biological Sciences	1950498	47.074	3,307	-
Biological Sciences	2128034	47.074	5,153	-
Biological Sciences	DEB-1856279	47.074	5,479	-
Biological Sciences	DBI-2050777	47.074	5,661	-
Biological Sciences	2203958	47.074	6,306	-
Biological Sciences	DBI-1802270	47.074	7,556	10,713
Biological Sciences	2223675	47.074	7,725	-
Biological Sciences	IOS-2015622	47.074	12,056	-
Biological Sciences	DEB- 2230335	47.074	25,287	-
Biological Sciences	DBI-2027228	47.074	26,600	-
Biological Sciences	MCB-2338323	47.074	28,326	-
Biological Sciences	IOS-1923321	47.074	38,333	-
Biological Sciences	1840243	47.074	39,209	39,209
Biological Sciences	IOS-1754286	47.074	48,044	-
Biological Sciences	2333889	47.074	51,228	-
Biological Sciences	DBI-234912	47.074	52,378	-
Biological Sciences	DEB-2325993	47.074	56,449	-
Biological Sciences	2348580	47.074	64,777	-
Biological Sciences	DEB-1845403	47.074	66,096	-
Biological Sciences	IOS-2323133	47.074	82,000	-
Biological Sciences	DEB-1926482	47.074	98,474	8,973
Biological Sciences	DBI- 2104149	47.074	103,008	3,296
Biological Sciences	DEB-2017987	47.074	113,481	-
Biological Sciences	DEB-2039476	47.074	118,598	-
Biological Sciences	DEB-2102750	47.074	122,270	-
Biological Sciences	DEB- 2327957	47.074	147,328	-
Biological Sciences	2046868	47.074	166,977	-
Biological Sciences	DEB2011884	47.074	168,176	-
Biological Sciences	DEB-2224317	47.074	170,156	-
Biological Sciences	DEB-214720	47.074	171,830	-
Biological Sciences	2114084	47.074	199,542	-
Biological Sciences	IOS-1923127	47.074	215,808	-
Biological Sciences	DEB-2330792	47.074	218,524	133,433
Biological Sciences	DEB-2054569	47.074	222,093	-
Biological Sciences	IOS-2306142	47.074	244,855	-
Biological Sciences	IOS-1916137	47.074	247,937	-
Biological Sciences	MCB-2300123	47.074	251,635	37,946
Biological Sciences	2140322	47.074	292,159	-
Biological Sciences	2231765	47.074	308,081	-
Biological Sciences	EF-1935120	47.074	320,537	-
Biological Sciences	MCB-2330451	47.074	365,674	-
Biological Sciences	MCB-2210473	47.074	433,868	-
Biological Sciences	DBI-2015276	47.074	1,349,270	662,143
			6,683,084	895,713

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**Yale University**  
**Schedule of Expenditures of Federal Awards**  
**Year Ended June 30, 2024**

Federal Agency/Pass-Through Entity/Program Title	Direct / Pass-Through Number	Federal Assistance Listing	Subrecipient	
		Number	Expenditures	Expenditures
I. Research and Development Cluster				
National Science Foundation				
Direct: (Continued)				
Social, Behavioral, and Economic Sciences	BCS-1848954	47.075	\$ (329)	\$ -
Social, Behavioral, and Economic Sciences	BCS-2342518	47.075	259	-
Social, Behavioral, and Economic Sciences	BCS-2211151	47.075	2,842	-
Social, Behavioral, and Economic Sciences	BCS-2138007	47.075	3,131	-
Social, Behavioral, and Economic Sciences	2214972	47.075	3,362	-
Social, Behavioral, and Economic Sciences	BCS-2216659	47.075	4,595	-
Social, Behavioral, and Economic Sciences	BCS-2117557	47.075	4,990	-
Social, Behavioral, and Economic Sciences	2116661	47.075	6,394	-
Social, Behavioral, and Economic Sciences	BCS-2023376	47.075	6,634	-
Social, Behavioral, and Economic Sciences	BCS-2313480	47.075	10,554	-
Social, Behavioral, and Economic Sciences	1823763	47.075	10,979	-
Social, Behavioral, and Economic Sciences	BCS-2231806	47.075	11,463	-
Social, Behavioral, and Economic Sciences	BCS-1757018	47.075	20,881	-
Social, Behavioral, and Economic Sciences	SES-2149418	47.075	28,751	-
Social, Behavioral, and Economic Sciences	BCS-1919321	47.075	42,796	-
Social, Behavioral, and Economic Sciences	BCS 2024335	47.075	43,368	-
Social, Behavioral, and Economic Sciences	SES-1954016	47.075	44,840	44,840
Social, Behavioral, and Economic Sciences	SES-1850860	47.075	45,267	-
Social, Behavioral, and Economic Sciences	2234933	47.075	48,389	-
Social, Behavioral, and Economic Sciences	SES-1948336	47.075	50,250	-
Social, Behavioral, and Economic Sciences	BCS-2121697	47.075	54,432	14,700
Social, Behavioral, and Economic Sciences	IIS - 2350329	47.075	66,122	-
Social, Behavioral, and Economic Sciences	2244673	47.075	66,438	-
Social, Behavioral, and Economic Sciences	BCS-1941651	47.075	70,713	-
Social, Behavioral, and Economic Sciences	BCS-2116164	47.075	76,841	-
Social, Behavioral, and Economic Sciences	SES-2117288	47.075	78,245	33,679
Social, Behavioral, and Economic Sciences	BCS-2017837	47.075	78,832	-
Social, Behavioral, and Economic Sciences	2050390	47.075	79,318	-
Social, Behavioral, and Economic Sciences	SES-2143098	47.075	85,474	-
Social, Behavioral, and Economic Sciences	SES-2149223	47.075	91,903	-
Social, Behavioral, and Economic Sciences	SES-2117362	47.075	97,027	-
Social, Behavioral, and Economic Sciences	2230957	47.075	106,445	-
Social, Behavioral, and Economic Sciences	SES-2049754	47.075	123,702	-
Social, Behavioral, and Economic Sciences	SES-1851524	47.075	149,586	-
Social, Behavioral, and Economic Sciences	SES-2237790	47.075	166,430	-
Social, Behavioral, and Economic Sciences	BCS-2045778	47.075	175,595	-
Social, Behavioral, and Economic Sciences	BCS-2322850	47.075	197,167	-
Social, Behavioral, and Economic Sciences	BCS - 2323360	47.075	217,341	-
Social, Behavioral, and Economic Sciences	2145372-BCS	47.075	243,389	-
			2,614,416	93,219
Education and Human Resources	DRL-1561143	47.076	(2,426)	-
Education and Human Resources	EES-2243107	47.076	1,372	-
Education and Human Resources	DUE-1856150	47.076	23,153	-
Education and Human Resources	DUE-2000417	47.076	73,836	-
Education and Human Resources	DUE-2216019	47.076	128,915	-
Education and Human Resources	DUE -2235968	47.076	144,607	-
Education and Human Resources	2153843	47.076	151,148	106,697
Education and Human Resources	DRL-2247807	47.076	158,387	-
Education and Human Resources	DUE-2126613	47.076	168,640	-
Education and Human Resources	DGE-2244310	47.076	272,437	-
Education and Human Resources	DGE-2139841	47.076	5,029,177	-
			6,149,246	106,697

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**Yale University**  
**Schedule of Expenditures of Federal Awards**  
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<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<u>Federal Assistance Listing Number</u>	<u>Expenditures</u>	<u>Subrecipient Expenditures</u>
I. Research and Development Cluster				
National Science Foundation				
Direct: (Continued)				
Polar Programs	2053003	47.078	\$ 113,543	\$ -
Polar Programs	1950077	47.078	141,243	-
			254,786	-
Office of International Science and Engineering	OISE-1952072	47.079	51,376	-
Office of International Science and Engineering	2107116	47.079	76,769	-
			128,145	-
Office of Integrative Activities	2219181	47.083	180,663	-
			180,663	-
Technology, Innovation and Partnerships	TI-2418523	47.084	3,377	-
Technology, Innovation and Partnerships	TI-2330630	47.084	23,738	-
Technology, Innovation and Partnerships	TI-2303328	47.084	113,531	113,531
			140,646	113,531
	Subtotal - National Science Foundation - Direct		37,218,094	2,781,603
Pass-through:				
University of Massachusetts, Lowell - National Science of Foundation	S52100000055432	47.RD	15,537	-
Computing Research Association - National Science of Foundation	2021CIF-Yale-31	47.RD	21,833	-
Regents of the University of Michigan - National Science of Foundation	SUBK00017989	47.RD	21,868	-
Computing Research Association - National Science of Foundation	Year3-2021CIF-Yale	47.RD	128,452	-
			187,690	-
Alva Health, Inc. - Engineering Grants	IIP-2039532	47.041	1,301	-
Environmental Law Institute - Engineering Grants	2203189	47.041	4,867	-
American Society for Engineering Education - Engineering Grants	769-2071	47.041	22,056	-
University of California, Santa Barbara - Engineering Grants	KK2414	47.041	36,089	-
North Carolina State University - Engineering Grants	PAM-P20-002946-SA01	47.041	42,430	-
North Carolina State University - Engineering Grants	2020-2946-01	47.041	80,393	-
University of Arizona - Engineering Grants	581207	47.041	272,559	-
Rice University - Engineering Grants	R3F80C	47.041	603,380	-
			1,063,075	-
University of New Mexico - Mathematical and Physical Sciences	889523-8711	47.049	7,426	-
Oregon State University - Mathematical and Physical Sciences	S2270D-U	47.049	10,577	-
National Radio Astronomy Observatory (NRAO)/NSF - Mathematical and Physical Sciences	2023.1.00254.S/SOSPA10-001	47.049	11,634	-
University of Pennsylvania - Mathematical and Physical Sciences	AST-2153201	47.049	13,822	-
University of Colorado, Denver - Mathematical and Physical Sciences	1554887/PO 1000779642	47.049	17,233	-
National Radio Astronomy Observatory (NRAO)/NSF - Mathematical and Physical Sciences	PO-381439	47.049	33,437	-
University of California, San Diego - Mathematical and Physical Sciences	109242238	47.049	45,235	-
Northwestern University - Mathematical and Physical Sciences	60062823 Yale	47.049	70,820	-
University of California, Berkeley - Mathematical and Physical Sciences	00010388-2002182	47.049	102,522	-
University of Maryland - Mathematical and Physical Sciences	105667-Z3846201	47.049	124,563	-
University of California, Berkeley - Mathematical and Physical Sciences	00010388	47.049	285,845	-
			723,114	-
University of Massachusetts, Amherst - Geosciences	22-016550-A	47.050	2,004	-
The Trustees of Columbia University in the City of New York - Geosciences	64C(GG009393-04)	47.050	2,128	-
Georgia Institute of Technology - Geosciences	AWD-002863-G2	47.050	89,092	-
			93,224	-

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**Yale University**  
**Schedule of Expenditures of Federal Awards**  
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<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<b>Federal Assistance Listing</b> <u>Number</u>	<u>Expenditures</u>	<b>Subrecipient Expenditures</b> <u>Expenditures</u>
<b>I. Research and Development Cluster</b>				
<b>National Science Foundation</b>				
<b>Pass-through: (Continued)</b>				
Computing Research Association - Computer and Information Science and Engineering	CIF2020-YU-21	47.070	\$ 22,056	\$ -
Computing Research Association - Computer and Information Science and Engineering	G-1A-012	47.070	35,083	-
Rice University - Computer and Information Science and Engineering	R3H299	47.070	92,339	-
Duke University - Computer and Information Science and Engineering	333-000073	47.070	95,104	-
University of California, Los Angeles (UCLA) - Computer and Information Science and Engineering	0160 G ZD226	47.070	123,701	-
University of California, San Diego - Computer and Information Science and Engineering	KR 704616	47.070	371,792	-
Duke University - Computer and Information Science and Engineering	333-2826	47.070	777,395	-
			<u>1,517,470</u>	<u>-</u>
University of Kansas - Biological Sciences	FY2023-024	47.074	1,508	-
University of Tennessee - Biological Sciences	A21-0345-S004	47.074	4,835	-
Delaware Museum of Natural History - Biological Sciences	2001523-01	47.074	14,788	-
University of Florida - Biological Sciences	SUB00002457	47.074	28,965	-
The Trustees of Columbia University in the City of New York - Biological Sciences	3(GG019813-01)	47.074	73,783	-
			<u>123,879</u>	<u>-</u>
University of Texas at Dallas - Social, Behavioral, and Economic Sciences	2008652	47.075	55,851	-
			<u>55,851</u>	<u>-</u>
University of Massachusetts - Education and Human Resources	18-009960 A 02	47.076	5,000	-
			<u>5,000</u>	<u>-</u>
North Carolina State University - Technology, Innovation and Partnerships	PAM-P23-001128-SA02	47.084	25,791	-
University of Connecticut - Technology, Innovation and Partnerships	5680510/176474598	47.084	106,689	-
Tempo Therapeutics - Technology, Innovation and Partnerships	TI-2308751	47.084	275,864	-
			<u>408,344</u>	<u>-</u>
	Subtotal - National Science Foundation - Pass Through		<u>4,177,647</u>	<u>-</u>
	Subtotal - National Science Foundation		41,395,741	2,781,603
<b>Office of National Drug Control Policy</b>				
<b>Pass-through:</b>				
University of Maryland at Baltimore - Research and Data Analysis	Subaward No. 26	95.007	70,172	-
			<u>70,172</u>	<u>-</u>
	Subtotal - Office of National Drug Control Policy - Pass Through		<u>70,172</u>	<u>-</u>
	Subtotal - Office of National Drug Control Policy		70,172	-
<b>U.S. Agency for International Development</b>				
<b>Direct:</b>				
Agency for International Development	7200AA21FA00016	98.RD	238,540	171,750
Agency for International Development	7200AA22FA00027	98.RD	334,796	270,891
Agency for International Development	7200AA21CA00010	98.RD	3,042,720	2,144,491
			<u>3,616,056</u>	<u>2,587,132</u>
	Subtotal - U.S. Agency for International Development - Direct		<u>3,616,056</u>	<u>2,587,132</u>
<b>Pass-through:</b>				
Family Health International (FHI 360) - USAID Foreign Assistance for Programs Overseas	21002085	98.001	168,011	-
			<u>168,011</u>	<u>-</u>
	Subtotal - U.S. Agency for International Development - Pass Through		<u>168,011</u>	<u>-</u>
	Subtotal - U.S. Agency for International Development		3,784,067	2,587,132
	<b>Total Research &amp; Development Cluster</b>		<u>851,567,245</u>	<u>122,556,939</u>

**Yale University**  
**Schedule of Expenditures of Federal Awards**  
**Year Ended June 30, 2024**

<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<u>Federal Assistance Listing Number</u>	<u>Expenditures</u>	<u>Subrecipient Expenditures</u>
<b>II. Student Financial Assistance Cluster</b>				
<b>Department of Education</b>				
<b>Federal Supplemental Education Opportunity Grant Program</b>				
Direct:				
Federal Supplemental Educational Opportunity Grants	P007A220809	84.007	\$ 585,180	\$ -
Federal Supplemental Educational Opportunity Grants	P007A230809	84.007	1,592,328	-
			2,177,508	-
	Subtotal - Federal Supplemental Education Opportunity Grant Program		2,177,508	-
<b>Federal Work Study Program</b>				
Direct:				
Federal Work-Study Program	P033A230809	84.033	2,044,740	-
			2,044,740	-
	Subtotal - Federal Work Study Program		2,044,740	-
<b>Federal Perkins Loan Program</b>				
Outstanding loans as of July 1, 2023		84.038	4,102,769	-
New loans issued during 2024		84.038	-	-
Administrative cost allowance		84.038	-	-
			4,102,769	-
	Subtotal - Federal Perkins Loan Program		4,102,769	-
<b>Federal Pell Grant Program</b>				
Direct:				
Federal Pell Grant Program	P063P221232	84.063	172,348	-
Federal Pell Grant Program	P063P231232	84.063	8,142,663	-
			8,315,011	-
	Subtotal - Federal Pell Grant Program		8,315,011	-
<b>Federal Direct Student Loan Program</b>				
Direct:				
Federal Direct Student Loan		84.268	80,251,824	-
			80,251,824	-
	Subtotal - Federal Direct Student Loan Program		80,251,824	-
	Subtotal - Department of Education		96,891,852	-
<b>Department of Health &amp; Human Services</b>				
<b>Health Professions Student Loans, Including Loans for Disadvantaged Students</b>				
Direct:				
Loans for Disadvantaged Students				
Outstanding loans as of July 1, 2023		93.342	950,810	-
Health Professions Student Loans				
Outstanding loans as of July 1, 2023		93.342	3,158	-
	Subtotal - Health Professions Student Loans, Including Loans for Disadvantaged Students		953,968	-

**Yale University**  
**Schedule of Expenditures of Federal Awards**  
**Year Ended June 30, 2024**

<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<u>Federal Assistance Listing Number</u>	<u>Expenditures</u>	<u>Subrecipient Expenditures</u>
<b>II. Student Financial Assistance Cluster</b>				
<b>Nursing Student Loan Program</b>				
<b>Direct:</b>				
Nursing Student Loan		93.364	\$ 1,504,960	\$ -
Outstanding loans as of July 1, 2023		93.364	333,350	-
New loans issued during 2024			<u>1,838,310</u>	<u>-</u>
	Subtotal - Nursing Student Loan Program		<u>1,838,310</u>	<u>-</u>
	Subtotal - Department of Health & Human Services - Direct		<u>1,838,310</u>	<u>-</u>
	Subtotal - Department of Health & Human Services		<u>2,792,278</u>	<u>-</u>
	<b>Total Student Financial Assistance Cluster</b>		<u>99,684,130</u>	<u>-</u>
<b>III. Other Federal Assistance</b>				
<b>Department of Agriculture</b>				
<b>Direct:</b>				
Acer Access Development Program	AM200100XXXXG014	10.174	50,566	-
Acer Access Development Program	23ACERCT1031	10.174	<u>62,054</u>	<u>-</u>
			<u>112,620</u>	<u>-</u>
Partnerships for Climate-Smart Commodities	NR233A750004G089	10.937	<u>463,840</u>	<u>70,474</u>
	Subtotal - Department of Agriculture - Direct		<u>463,840</u>	<u>70,474</u>
			<u>576,460</u>	<u>70,474</u>
	Subtotal - Department of Agriculture		576,460	70,474
<b>Department of Defense</b>				
<b>Passed-Through</b>				
Rochester Institute of Technology (RIT) - Defense of Defense	MEMS O'Hern US Army RIT AEOP HS Internships 24-004C 12.U01		119	-
			<u>119</u>	<u>-</u>
	Subtotal - Department of Defense		<u>119</u>	<u>-</u>
<b>Department of Education</b>				
<b>Direct:</b>				
National Resource Centers Program	P015A180117	84.015A	<u>1,120</u>	<u>-</u>
			<u>1,120</u>	<u>-</u>
National Resource Centers Program	P015B220102	84.015B	<u>232,695</u>	<u>-</u>
			<u>232,695</u>	<u>-</u>
	Subtotal - Department of Education - Direct		<u>233,815</u>	<u>-</u>
	Subtotal - Department of Education		233,815	-
<b>Department of Energy</b>				
<b>Pass-through:</b>				
Clean Energy Group - Energy Efficiency and Renewable Energy Information Dissemination, Outreach, Training and Technical Analysis/Assistance	US Dept. of Energy award DE-EE0010940	81.117	13,516	-
			<u>13,516</u>	<u>-</u>
	Subtotal - Department of Energy		<u>13,516</u>	<u>-</u>

**Yale University**  
**Schedule of Expenditures of Federal Awards**  
**Year Ended June 30, 2024**

<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<u>Federal Assistance Listing Number</u>	<u>Expenditures</u>	<u>Subrecipient Expenditures</u>
III. Other Federal Assistance				
Environmental Protection Agency				
Pass-through:				
RTI International - Environmental Protection Agency	16-312-0217117-67602L	66.U02	\$ 3,901	\$ -
			3,901	-
	Subtotal - Environmental Protection Agency - Pass Through		3,901	-
	Subtotal - Environmental Protection Agency		3,901	-
Department of Health & Human Services				
Direct:				
Substance Abuse and Mental Health Services Projects of Regional and National Significance	H79TI080736	93.243	28,646	17,938
Substance Abuse and Mental Health Services Projects of Regional and National Significance	1H79TI080561	93.243	286,416	80,000
Substance Abuse and Mental Health Services Projects of Regional and National Significance	H79SM085114	93.243	578,995	16,307
Substance Abuse and Mental Health Services Projects of Regional and National Significance	5H79SM081775/3H79SM081775	93.243	1,014,416	493,850
			1,908,473	608,095
Occupational Safety and Health Program	2T03OH008607	93.262	229,924	-
			229,924	-
COVID-19 Provider Relief Funds	Covid Relief Funds	93.498	7,276,950	-
			7,276,950	-
Mental and Behavioral Health Education and Training Grants	T62HP49327	93.732	304,521	-
Mental and Behavioral Health Education and Training Grants	1T25HP376310100	93.732	527,406	-
			831,927	-
Grants for Primary Care Training and Enhancement	T0BHP33107	93.884	326,462	-
			326,462	-
Special Projects of National Significance	1 U90HA33191	93.928	175,202	22,177
Special Projects of National Significance	H97HA46082	93.928	367,202	-
			542,404	22,177
PPHF Geriatric Education Centers	U1QHP28745	93.969	780,220	-
			780,220	-
	Subtotal - Department of Health & Human Services - Direct		11,896,360	630,272
Pass-through:				
Connecticut Children's Medical Center - Department Of Health And Human Services	21-185030-02	93.U03	(55)	-
Connecticut Dept. of Mental Health and Addiction Services - Department Of Health And Human Services	20MHA1063	93.U04	34,021	-
Yale New Haven Health Systems - Department Of Health And Human Services	2022-0081	93.U05	55,474	-
State of CT Dept of Children and Family Services - Department Of Health And Human Services	P.S. 20DCF6919AA	93.U06	72,602	-
Mathematica Policy Research, Inc. - Department Of Health And Human Services	50718S07716	93.U07	80,822	-
Southern Connecticut State University (SCSU) - Department Of Health And Human Services	HHS128-001	93.U08	110,584	-
State of CT Dept of Children and Family Services - Department Of Health And Human Services	24DCF6442AA	93.U09	116,944	-
City of New Haven - Department Of Health And Human Services	NH28CE03554-01	93.U10	141,383	-
			611,775	-
State of CT Dept of Public Health -Environmental Public Health and Emergency Response	2022-0071	93.070	97,665	-
			97,665	-
Stanford University - Prevention of Disease, Disability, and Death by Infectious Diseases	62338663-148206	93.084	127,274	-
Stanford University - Prevention of Disease, Disability, and Death by Infectious Diseases	62338663-148206	93.084	128,274	-
			255,548	-
Boston Medical Center - Advancing System Improvements for Key Issues in Women's Health	6907-YALE-01	93.088	18,645	-
			18,645	-
Icahn School of Medicine at Mount Sinai (ISMMS) - Maternal and Child Health Federal Consolidated Programs	0253-7153-4609	93.110	1,482	-
Icahn School of Medicine at Mount Sinai (ISMMS) - Maternal and Child Health Federal Consolidated Programs	0253-7152-4609	93.110	16,774	-
Cure HHT: Formally: HHT Foundation International, Inc. - Maternal and Child Health Federal Consolidated Programs	Subaward No. 15	93.110	65,535	-
Cure HHT: Formally: HHT Foundation International, Inc. - Maternal and Child Health Federal Consolidated Programs	1UP4MC46404-01-00	93.110	71,022	-
University Hospitals Cleveland Medical Center - Maternal and Child Health Federal Consolidated Programs	1 U1IMC43532	93.110	148,508	-
University Hospitals Cleveland Medical Center - Maternal and Child Health Federal Consolidated Programs	U1IMC43532-03	93.110	1,269,502	-
			1,572,823	-
Griffin Hospital - Preventive Medicine and Public Health Residency Training Program, Integrative Medicine Program, and National Center for Integrative Primary Healthcare	D33HP31664	93.117	12,216	-
			12,216	-

The accompanying notes are an integral part of this schedule

**Yale University**  
**Schedule of Expenditures of Federal Awards**  
**Year Ended June 30, 2024**

<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<u>Federal Assistance Listing Number</u>	<u>Expenditures</u>	<u>Subrecipient Expenditures</u>
<b>III. Other Federal Assistance</b>				
<b>Department of Health &amp; Human Services</b>				
<b>Pass-through: (Continued)</b>				
Yale New Haven Hospital - Emergency Medical Services for Children	H33MC294501-YSM-01	93.127	\$ 5,344	\$ -
Yale New Haven Hospital - Emergency Medical Services for Children	H33MC29430-YSM-01	93.127	<u>15,666</u>	<u>-</u>
			<u>21,010</u>	<u>-</u>
Connecticut Children's Medical Center - Coordinated Services and Access to Research for Women, Infants, Children, and Youth	22-185033-02	93.153	<u>7,834</u>	<u>-</u>
Connecticut Children's Medical Center - Coordinated Services and Access to Research for Women, Infants, Children, and Youth	23-185035-02	93.153	76,138	-
			<u>83,972</u>	<u>-</u>
American Academy of Addiction Psychiatry - Substance Abuse and Mental Health Services_Projects of Regional and National Significance	PCSSMAT19-22-NCE	93.243	<u>1,707</u>	<u>-</u>
American Academy of Addiction Psychiatry - Substance Abuse and Mental Health Services_Projects of Regional and National Significance	SOR/TOR-22-40	93.243	22,694	-
Cornell Scott-Hill Health Center - Substance Abuse and Mental Health Services_Projects of Regional and National Significance	SAMHSA H79TI086853	93.243	26,174	-
Cornell Scott-Hill Health Center - Substance Abuse and Mental Health Services_Projects of Regional and National Significance	1H79TI085083-03	93.243	43,362	-
American Academy of Addiction Psychiatry - Substance Abuse and Mental Health Services_Projects of Regional and National Significance	SOR/TOR-22-40	93.243	59,963	-
Cornell Scott-Hill Health Center - Substance Abuse and Mental Health Services_Projects of Regional and National Significance	MAT-PDOA Program	93.243	75,901	-
Yale New Haven Health Systems - Substance Abuse and Mental Health Services_Projects of Regional and National Significance	3900192831-YSM-01	93.243	155,040	-
Connecticut Dept. of Mental Health and Addiction Services - Substance Abuse and Mental Health Services_Projects of Regional and National Significance	19MHA6117	93.243	302,436	-
			<u>687,277</u>	<u>-</u>
Community Health Center, Inc. - Advanced Nursing Education Grant Program	100299	93.247	1,201	-
Community Health Center, Inc. - Advanced Nursing Education Grant Program	100339-Yale	93.247	<u>12,251</u>	<u>-</u>
			<u>13,452</u>	<u>-</u>
Brigham and Women's Hospital - Health Systems Strengthening and HIV/AIDS Prevention, Care and Treatment under the President's Emergency Plan for AIDS Relief	116337	93.266	<u>(7,990)</u>	<u>-</u>
			<u>(7,990)</u>	<u>-</u>
Southern Connecticut State University (SCSU) - Racial and Ethnic Approaches to Community Health	HHS180-001	93.268	<u>5,278</u>	<u>-</u>
			<u>5,278</u>	<u>-</u>
Southern Connecticut State University (SCSU) - Racial and Ethnic Approaches to Community Health	HHS180-001	93.304	<u>40,246</u>	<u>-</u>
			<u>40,246</u>	<u>-</u>
Connecticut Dept. of Public Health (DPH) - COVID-19 PHEP Crisis Response	2022-0104	93.354	<u>962,811</u>	<u>-</u>
			<u>962,811</u>	<u>-</u>
COVID-19 Southern Connecticut State University (SCSU) - Nursing Research	HHS-126-001	93.391	<u>3,700</u>	<u>-</u>
			<u>3,700</u>	<u>-</u>
Yale New Haven Health Systems - Strengthening Public Health Systems and Services through National Partnerships to Improve and Protect the Nation's Health	CK22-2203-YSM-PEDS-CHIPSTER-02	93.421	40,449	-
Yale New Haven Health Systems - Strengthening Public Health Systems and Services through National Partnerships to Improve and Protect the Nation's Health	3900226631-YSPH	93.421	43,107	-
Yale New Haven Health Systems - Strengthening Public Health Systems and Services through National Partnerships to Improve and Protect the Nation's Health	CK22-2203-YSEAS-01	93.421	95,025	-
Yale New Haven Health Systems - Strengthening Public Health Systems and Services through National Partnerships to Improve and Protect the Nation's Health	CK22-2203-YSM-PEDS-01	93.421	243,011	-
			<u>421,592</u>	<u>-</u>
Yale New Haven Health Systems - Social Services Research and Demonstration	90EMP0005-01-01 Solomon Center	93.647	<u>11,302</u>	<u>-</u>
			<u>11,302</u>	<u>-</u>

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**Yale University**  
**Schedule of Expenditures of Federal Awards**  
**Year Ended June 30, 2024**

<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<u>Federal Assistance Listing Number</u>	<u>Expenditures</u>	<u>Subrecipient Expenditures</u>
III. Other Federal Assistance				
Department of Health & Human Services				
Pass-through: (Continued)				
Southern Connecticut State University (SCSU) - PPHF: Racial and Ethnic Approaches to Community Health Program financed solely by Public Prevention and Health Funds	HHS118-003	93.738	\$ 2,370	\$ -
Southern Connecticut State University (SCSU) - PPHF: Racial and Ethnic Approaches to Community Health Program financed solely by Public Prevention and Health Funds	HHS118-001	93.738	56,244	-
Southern Connecticut State University (SCSU) - PPHF: Racial and Ethnic Approaches to Community Health Program financed solely by Public Prevention and Health Funds	HHS076-3003	93.738	64,861	-
			123,475	-
American Society of Addiction Medicine - Opioid STR	PCSSMAUD-06	93.788	14,991	-
State of CT Dept of Mental Health and Addiction Services - Opioid STR	23MHA6078	93.788	188,231	-
State of CT Dept of Mental Health and Addiction Services - Opioid STR	23MHA6077	93.788	223,003	-
			426,225	-
University of Texas at Austin - Ebola Support: Transmission and Prevention Control, Public Health Preparedness, Vaccine Development	UTAUS-SUB00001247	93.823	171,391	-
			171,391	-
City of New Haven - HIV Emergency Relief Project Grants	RFP 2024-09-1594, 2024-CON-0084	93.914	327,005	-
City of New Haven - HIV Emergency Relief Project Grants	RFP 2021-11-1415 A23-0328	93.914	1,091,727	-
			1,418,732	-
Community Foundation for Greater New Haven - Healthy Start Initiative	H49MC00095	93.926	80,367	-
			80,367	-
AIDS United - Special Projects of National Significance	3031018-AU	93.928	221,439	-
			221,439	-
State of CT Dept of Public Health - HIV Prevention Activities Health Department Based	2019-0142	93.940	57,541	-
			57,541	-
North Carolina Department of Health and Human Services- Block Grants for Community Mental Health Services	00045032	93.958	10,938	-
			10,938	-
State of CT Dept of Mental Health and Addiction Services - Block Grants for Prevention and Treatment of Substance Abuse	22MHA1121	93.959	(824)	-
State of Rhode Island Department of Behavioral Healthcare, Developmental Disabilities & Hospitals - Block Grants for Prevention and Treatment of Substance Abuse	6B808TI083474-01MD002	93.959	44,955	-
Liberty Community Services, Inc. - Block Grants for Prevention and Treatment of Substance Abuse	Amendment No. 7	93.959	131,272	-
			175,403	-
	Subtotal - Department of Health & Human Services - Pass Through		7,496,833	-
	Subtotal - Department of Health & Human Services		19,393,193	630,272
Department of Justice				
Passed-through:				
State of CT Judicial Department - Crime Victim Assistance	02-2202-45	16.575	204,130	-
			204,130	-
	Subtotal - Department of Justice - Pass Through		204,130	-
	Subtotal - Department of Justice		204,130	-
Department of State				
Direct:				
U.S Department of State	19AQMM22P0402	19.U11	2,092	-
			2,092	-
U.S. Ambassadors Fund for Cultural Preservation	SN101422GR0073	19.025	57,819	-
			57,819	-
	Subtotal - Department of State - Direct		59,911	-
Pass-through:				
MITRE Corporation - U.S Department of State	1169046	19.U12	37,149	-
MITRE Corporation - U.S Department of State	1167670	19.U13	1,955,464	-
			1,992,613	-
Institute of International Education - Office of Global Women's Issues	SRFUS05000	19.801	25,000	-
			25,000	-
	Subtotal - Department of State - Pass Through		2,017,613	-

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**Yale University**  
**Schedule of Expenditures of Federal Awards**  
**Year Ended June 30, 2024**

<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<u>Federal Assistance Listing Number</u>	<u>Expenditures</u>	<u>Subrecipient Expenditures</u>
<b>III. Other Federal Assistance</b>				
<b>Department of State</b>				
<b>Pass-through (Continued):</b>				
	Subtotal - Department of State		\$ 2,077,524	\$ -
<b>Institute of Museum and Library Services</b>				
<b>Direct:</b>				
Museums for America	MA-251634-OMS-22	45.301	39,495	-
			39,495	-
National Leadership Grants	LG-252288-OLS-22	45.312	54,397	-
			54,397	-
	Subtotal - Institute of Museum and Library Services - Direct		93,892	-
	Subtotal - Institute of Museum and Library Services		93,892	-
<b>National Endowment for the Arts</b>				
<b>Direct:</b>				
Promotion of the Humanities Research	FL6GV84CKN57	45.161	49,293	37,300
			49,293	37,300
Promotion of the Humanities_Office of Digital Humanities	HND-284978-22	45.169	44,760	-
			44,760	-
	Subtotal -National Endowment for the Arts - Direct		94,053	37,300
<b>Pass-through:</b>				
Bard College - Promotion of the Humanities Division of Preservation and Access	2A0164-1	45.149	885	-
			885	-
	Subtotal - National Endowment for the Arts - Pass Through		885	-
	Subtotal - National Endowment for the Arts		94,938	37,300
<b>U.S. Agency for International Development</b>				
<b>Direct:</b>				
Agency for International Development	7200AA21FA00014	98.U14	121,394	61,726
			121,394	61,726
	Subtotal - U.S. Agency for International Development - Direct		121,394	61,726
<b>Pass-through:</b>				
Chemonics International, Inc. - Agency for International Development	SUB-1199	98.U15	744	-
			744	-
PATH - USAID Foreign Assistance for Programs Overseas	AID.587833-01725505-SUB	98.001	25,587	-
Family Health International (FHI 360) - USAID Foreign Assistance for Programs Overseas	PO23000096	98.001	794,024	174,305
			819,611	174,305
	Subtotal - U.S. Agency for International Development - Pass Through		820,355	174,305
	Subtotal - U.S. Agency for International Development		941,749	236,031
<b>U.S. Treasury</b>				
<b>Pass-through:</b>				
City of New Haven - American Rescue Plan Act Funds	2023-CON-0311	21.027	18,443	-
State of CT Dept of Mental Health and Addiction Services - American Rescue Plan Act Funds	22MHA52ARPAR3	21.027	36,914	-
Connecticut State Colleges and Universities - American Rescue Plan Act Funds	SO- 23111	21.027	108,255	-
State of CT Judicial Department - American Rescue Plan Act Funds	02-2202-45	21.027	170,978	-
State of CT Dept of Public Health - American Rescue Plan Act Funds	DPH2023-0100POS	21.027	221,216	-
			555,806	-
	Subtotal - U.S. Treasury - Pass Through		555,806	-

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**Yale University**  
**Schedule of Expenditures of Federal Awards**  
**Year Ended June 30, 2024**

<u>Federal Agency/Pass-Through Entity/Program Title</u>	<u>Direct / Pass-Through Number</u>	<b>Federal Assistance</b>		
		<b>Listing Number</b>	<b>Expenditures</b>	<b>Subrecipient Expenditures</b>
U.S. Treasury				
Pass-through (Continued):				
	Subtotal - U.S. Treasury		\$ 555,806	\$ -
	<b>Total Other Federal Assistance</b>		<b>24,189,043</b>	<b>974,077</b>
IV. CCDF Cluster				
Department of Health & Human Services				
Pass-through:				
Education Development Center - Child Care and Development Block Grant	2022-0249	93.575	10,002	-
Education Development Center - Child Care and Development Block Grant	2023-0139	93.575	76,588	-
			86,590	-
	Subtotal - Department of Health & Human Services - Pass Through		86,590	-
	Subtotal - Department of Health & Human Services		86,590	-
	<b>Total CCDF Cluster</b>		<b>86,590</b>	<b>-</b>
V. Head Start Cluster				
Department of Health & Human Services				
Direct:				
Head Start	90YR0168-01-00	93.600	44,072	-
			44,072	-
	Subtotal - Department of Health & Human Services - Direct		44,072	-
	Subtotal - Department of Health & Human Services		44,072	-
	<b>Total Head Start Cluster</b>		<b>44,072</b>	<b>-</b>
	<b>Total Federal Expenditures</b>		<b>\$ 975,571,080</b>	<b>\$ 123,531,016</b>

# Yale University

## Notes to Schedule of Expenditures of Federal Awards

### Year Ended June 30, 2024

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#### 1. Significant Accounting Policies

##### Basis of Presentation

The Schedule of Expenditures of Federal Awards is a statement, prepared on the accrual basis of accounting, of Federal expenditures related to the current reporting period. It does not purport to present the results of operations or the net income or loss for the period as would a statement of activities or a statement of revenues and expenditures.

Federal expenditures for direct and indirect costs are recognized using the cost principles contained in 2 CFR Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards*. Under these cost principles, certain types of expenditures are not allowable or are limited as to reimbursement.

##### Facilities and Administrative Rates

Expenditures include a portion of costs associated with general University activities (facilities and administrative) which are allocated to federal awards under negotiated formulas commonly referred to as facilities and administrative rates. The University applies its predetermined approved facilities and administrative rate when charging indirect costs to federal awards rather than the 10% de minimis cost rate as described in Section 200.414 of the Uniform Guidance.

Full Federal Assistance Listing numbers and pass-through numbers are included when available.

#### 2. Student Loan Programs

The following schedule presents outstanding loan balances for federal student loan programs and federally guaranteed loan programs. These programs are administered directly by the University and balances and transactions relating to these programs are included in the University's consolidated financial statements. Loans outstanding at the beginning of the year, loans made during the year, and the administrative cost allowance (if applicable) are included in the federal expenditures presented in the Schedule of Expenditures of Federal Awards. The principal balance of loans outstanding at June 30, 2024 consists of:

	Federal Assistance Listing Numbers	Year End Loan Balance
Perkins	84.038	\$ 2,683,465
Health Professions Student Loans (HPSL)	93.342	3,158
Nursing Student Loan (NSL)	93.364	1,475,082
Loans for Disadvantaged Students (LDS)	93.342	864,812
		<u>\$ 5,026,517</u>

#### 3. Department of Health and Human Services (HHS) Coronavirus Aid Relief and Economic Security (CARES) Act

The Schedule includes grant activity related to the Department of Health and Human Services (HHS) Coronavirus Aid Relief and Economic Security (CARES) Act Assistance Listing Number 93.498. As required based on guidance in the 2024 OMB Compliance Supplement, the Schedule includes all Period 6 funds received between July 1, 2022 and December 31, 2022 and expended by December 31, 2022 as reported to the Health Resources and Services Administration (HRSA) Agency via the Provider Relief Fund Reporting Portal. The Schedule includes \$7,276,950 of lost revenue.

## **PART III**

### **REPORTS ON INTERNAL CONTROL AND COMPLIANCE**



## **Report of Independent Auditors on Internal Control Over Financial Reporting and on Compliance and Other Matters Based on an Audit of Financial Statements Performed in Accordance with *Government Auditing Standards***

To the President and Fellows of  
Yale University:

We have audited, in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States, the consolidated financial statements of Yale University and its subsidiaries (the "University"), which comprise the consolidated statement of financial position as of June 30, 2024, and the related consolidated statements of activities and of cash flows for the year then ended, including the related notes (collectively referred to as the "consolidated financial statements"), and have issued our report thereon dated October 25, 2024.

### **Report on Internal Control Over Financial Reporting**

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

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

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

### **Report on Compliance and Other Matters**

As part of obtaining reasonable assurance about whether the University's consolidated 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 the University's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the University's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

*PricewaterhouseCoopers LLP*

Boston, Massachusetts  
October 25, 2024



## **Report of Independent Auditors on Compliance for Each Major Program and on Internal Control Over Compliance Required by Uniform Guidance**

To the President and Fellows of  
Yale University:

### **Report on Compliance for Each Major Federal Program**

#### ***Opinion on Each Major Federal Program***

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

In our opinion, the University complied, in all material respects, with the compliance requirements referred to above that could have a direct and material effect on each of its major federal programs 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 (US GAAS); the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States; and the audit requirements of Title 2 U.S. Code of Federal Regulations Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance). Our responsibilities under those standards and the Uniform Guidance are further described in the Auditors' Responsibilities for the Audit of Compliance section of our report.

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

#### ***Responsibilities of Management for Compliance***

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



### ***Auditors' Responsibilities for the Audit of Compliance***

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

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

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

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

### **Report on Internal Control Over Compliance**

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



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

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

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.

*PricewaterhouseCoopers LLP*

Boston, Massachusetts  
March 24, 2025

## **PART IV**

### **SCHEDULE OF FINDINGS AND QUESTIONED COSTS**

**Yale University**  
**Schedule of Findings and Questioned Costs**  
**For the Year Ended June 30, 2024**

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**Section I – Summary of Auditor's Results**

**Financial Statements**

Type of auditor's report issued: Unmodified

Internal control over financial reporting:

- Material weakness(es) identified? \_\_\_\_\_ yes        x   no
- Significant deficiency(ies) identified that are not considered to be material weaknesses? \_\_\_\_\_ yes        x   none reported

Noncompliance material to financial statements noted? \_\_\_\_\_ yes        x   no

**Federal Awards**

Internal control over major programs:

- Material weakness(es) identified? \_\_\_\_\_ yes        x   no
- Significant deficiency(ies) identified that are not considered to be material weaknesses? \_\_\_\_\_ yes        x   none reported

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

Any audit findings disclosed that are required to be reported in accordance with Section 200.516(a) of the Uniform Guidance? \_\_\_\_\_ yes        x   no

Identification of major programs:

**Federal Assistance Listing  
Number(s)**

**Name of Federal Program or Cluster**

Various  
93.354  
  
93.498

Research and Development Cluster  
Connecticut Dept. of Public Health (DPH) -  
COVID-19 PHEP Crisis Response  
COVID-19 Provider Relief Funds

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

\$3,000,000

Auditee qualified as low-risk auditee?   x   yes      \_\_\_\_\_ no

**Yale University**  
**Schedule of Findings and Questioned Costs**  
**For the Year Ended June 30, 2024**

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**Section II – Consolidated Financial Statement Findings**

No findings were identified related to the financial statements that are required to be reported.

**Section III – Federal Financial Assistance Findings and Questioned Costs**

There are no findings in the current year.

# **Yale University**

## **Summary Schedule of Prior Audit Findings**

### **For the Year Ended June 30, 2024**

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#### **Finding No. 2023-001 – Student Financial Aid – Documentation and Execution of Policies**

##### **Award Information**

**Cluster:** Student Financial Assistance

**Grantor:** Department of Education

**Award Name:** Federal Supplemental Educational Opportunity Grant, Federal Work-Study, Federal Pell Grant, Federal Direct Student Loan, Primary Care Loan, Loan for Disadvantaged Students, Health Professions Student Loans, Nursing Student Loan

**Award Year:** FY2023

**CFDA Number:** 84.007, 84.033, 84.063, 84.268, 93.342, 93.342, 93.342, 93.364

##### **Condition**

As part of PwC's testing over the student financial assistance cluster, they noted the following:

- PwC selected 25 students who were selected by the Department of Education for verification. For six out of the 25 students selected, the University was required to obtain a statement of identity. The University could not provide documentation that evidenced a statement of identity was obtained.
- In examining 25 student records, the University did not receive a student's consent to participate in electronic transactions for one of the selections. After further investigation by the University, it was determined there were a total of 361 students that did not sign the voluntary consent, inclusive of the one PwC selected.
- PwC selected 16 students that required a Return of Title IV calculation. For two of the selected students, the University did not formally document the refund calculation performed. For one student, a return of Title IV funds was not needed and for the other student, the required return of Title IV funds was appropriately made within the required timeframe.
- PwC selected 25 students that had a student status change. For two of the selections, the University enrollment change was communicated to the NSLDS accurately and timely, however the program level data was not communicated as required by the regulations.
- PwC reviewed the University's policies over satisfactory academic progress. There were four schools within the University that did not document procedures for disbursements to students on financial aid warning status or financial aid probation status. Additionally, there was one school that did not document policies stating that students who (1) have not achieved the required GPA, (2) are not successfully completing their program of study at the required pace (if required), or (3) have not completed the program within the maximum time frame will no longer be eligible for Title IV aid.

##### **University Update**

Outlined below are corrective actions taken during the 2023-24 academic year and the changes to align Yale with the stated prior year recommendations:

- Verification – Implementation of a university-wide document posting process with an expected implementation date by the end of the fiscal year 2024. This process will auto-populate federally required documents into Yale's financial aid system, based on FAFSA/ISIR comment codes, in a

# **Yale University**

## **Summary Schedule of Prior Audit Findings**

### **For the Year Ended June 30, 2024**

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way that will prevent disbursement to a student's account unless collected. Schools will receive training from the University Financial Aid Office ("UFAO") in concurrence with the implementation of this new automated population regarding the collection of the new university-wide form and the proper acceptance of identity requirements.

- **Electronic Transactions** – Effective during the 2023-24 academic year, all financial aid recipients, not just Federal Financial Aid recipients, are asked to complete E-Consent on the new Student Portal Yale Hub. Students cannot view award offers, electronic documents that must be completed online, or personal historical financial aid data until the E-Consent question is answered.
- **Return of Title IV** – The University created and implemented a university-wide Return to Title IV funds policy and procedure. This implementation was completed during the 2023-24 academic year and included training of several additional Financial Aid staff members across the university on the updated policies and procedures to create redundancies for timely and consistent processing of R2T4's.
- **NSLDS Enrollment Reporting** – The University Registrar worked with Information Technology Services to correct the custom Banner NSC extract job to ensure that not just the enrollment status is updated, but also the program level status. An additional staff member in the registrar's office was deployed to focus on compliance and enrollment reporting.
- **Satisfactory Academic Progress ("SAP")** – The University Financial Aid Office has conducted a school-by-school review of SAP policies. Review and implementation of updated SAP policies was completed by September 2024. UFAO set up a SAP review process for new programs as well as an annual review for each school.