

Harvard University

**Report on Federal Awards in Accordance with the
Uniform Guidance**

June 30, 2025

EIN #04-2103580

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Part I

**Financial Statements and
Schedule of Expenditures of Federal Awards**



Report of Independent Auditors

To the Joint Committee on Inspection of the Governing Boards of Harvard University

Report on the Audit of the Consolidated Financial Statements

Opinion

We have audited the accompanying consolidated financial statements of Harvard University and its subsidiaries (the "University"), which comprise the consolidated balance sheet as of June 30, 2025, and the related consolidated statements of changes in net assets with general operating account detail and of changes in net assets of the endowment for the year ended June 30, 2025, and of cash flows for the years ended June 30, 2025 and 2024, 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 consolidated financial position of the University as of June 30, 2025, and the changes in its net assets for the year ended June 30, 2025, and its cash flows for the years ended June 30, 2025 and 2024 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 balance sheet as of June 30, 2024, and the related consolidated statements of changes in net assets with general operating account detail, of changes in net assets of the endowment and of cash flows for the year then ended (the balance sheet and the statements of changes in net assets with general operating account detail and of changes in net assets of the endowment are not presented herein), and in our report dated October 16, 2024, we expressed an unmodified opinion on those consolidated financial statements. In our opinion, the information set forth in the accompanying summarized financial information as of June 30, 2024 and for the year then ended 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 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 financial statements are issued.

Auditors' Responsibilities for the Audit of the Consolidated Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an 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 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, 2025 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 Information

Management is responsible for the other information included in the annual report. The other information comprises the Harvard University Financial Report Fiscal Year 2025 (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.

Other Reporting Required by Government Auditing Standards

In accordance with *Government Auditing Standards*, we have also issued our report dated October 15, 2025 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, 2025. 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.

PricewaterhouseCoopers LLP

Boston, Massachusetts
October 15, 2025

CONSOLIDATED BALANCE SHEETS

with summarized financial information as of June 30, 2024

In thousands of dollars	June 30	
	2025	2024
ASSETS:		
Cash and cash equivalents	\$ 278,135	\$ 162,879
Receivables, net (Note 4)	368,618	370,979
Prepayments and deferred charges	459,407	412,890
Operating leases—right of use assets (Note 18)	529,232	675,089
Notes receivable, net (Note 5)	447,083	424,276
Pledges receivable, net (Note 6)	2,553,486	2,578,789
Fixed assets, net (Note 7)	9,551,130	8,933,096
Interests in trusts held by others (Note 3)	499,353	466,283
Securities pledged to counterparties, at fair value (Note 3)	68,408	63,786
Investment portfolio, at fair value (Note 3)	67,664,558	62,695,067
TOTAL ASSETS	\$ 82,419,410	\$ 76,783,134
LIABILITIES:		
Accounts payable	\$ 566,012	\$ 485,033
Deferred revenue and other liabilities	2,009,647	1,813,979
Operating lease liabilities (Note 18)	574,919	721,873
Other liabilities associated with the investment portfolio (Notes 3 and 10)	1,234,736	1,114,955
Liabilities due under split interest agreements (Note 9)	900,070	905,317
Bonds and notes payable (Note 10)	8,293,448	7,134,080
Accrued retirement obligations (Note 11)	148,974	276,599
TOTAL LIABILITIES	13,727,806	12,451,836
NET ASSETS	68,691,604	64,331,298
TOTAL LIABILITIES AND NET ASSETS	\$ 82,419,410	\$ 76,783,134

	Without donor restrictions	With donor restrictions	June 30	
			2025	2024
NET ASSETS:				
General Operating Account (GOA) (Note 8)	\$ 7,476,617	\$ 3,533,364	\$ 11,009,981	\$ 10,425,470
Endowment (Note 8)	10,249,710	46,680,720	56,930,430	53,235,205
Split interest agreements (Note 9)		751,193	751,193	670,623
TOTAL NET ASSETS	\$ 17,726,327	\$ 50,965,277	\$ 68,691,604	\$ 64,331,298

The accompanying notes are an integral part of the consolidated financial statements.

CONSOLIDATED STATEMENTS OF CHANGES IN NET ASSETS WITH GENERAL OPERATING ACCOUNT DETAIL

with summarized financial information for the year ended June 30, 2024

In thousands of dollars	Without donor restrictions	With donor restrictions	For the year ended	
			June 30 2025	2024
OPERATING REVENUE:				
Net student income (Notes 2 and 12)	\$ 1,438,735		\$ 1,438,735	\$ 1,382,904
Sponsored support (Note 13)				
Federal government – direct costs	457,196		457,196	496,124
Federal government – indirect costs	171,412		171,412	190,344
Non-federal sponsors – direct costs	81,684	\$ 215,789	297,473	276,865
Non-federal sponsors – indirect costs	22,128	25,117	47,245	49,346
Total sponsored support	732,420	240,906	973,326	1,012,679
Gifts for current use (Note 14)	202,516	426,364	628,880	527,679
Investment income:				
Endowment returns made available for operations (Note 8)	476,262	2,022,390	2,498,652	2,392,379
GOA returns made available for operations	239,851		239,851	225,065
Other investment income	47,169	5,969	53,138	48,487
Total investment income	763,282	2,028,359	2,791,641	2,665,931
Other revenue (Note 15)	849,207		849,207	883,012
Net assets released from restriction	2,596,188	(2,596,188)	0	0
TOTAL OPERATING REVENUE	6,582,348	99,441	6,681,789	6,472,205
OPERATING EXPENSES:				
Salaries and wages	2,758,560		2,758,560	2,631,642
Employee benefits (Note 11)	755,895		755,895	690,638
Services purchased	977,988		977,988	921,075
Depreciation (Note 7)	459,031		459,031	440,257
Space and occupancy	454,221		454,221	439,150
Supplies and equipment	297,157		297,157	289,700
Interest (Note 10)	262,546		262,546	226,405
Scholarships and other student awards (Note 12)	207,724		207,724	192,419
Other expenses (Note 16)	621,249		621,249	595,625
TOTAL OPERATING EXPENSES	6,794,371	0	6,794,371	6,426,911
NET OPERATING (DEFICIT)/SURPLUS	(212,023)	99,441	(112,582)	45,294
NON-OPERATING ACTIVITIES:				
Income from GOA investments	22,307		22,307	14,515
GOA realized and change in unrealized appreciation, net (Note 3)	855,592		855,592	645,024
GOA returns made available for operations	(239,851)		(239,851)	(225,065)
Change in pledge balances (Note 6)		(26,976)	(26,976)	(125,365)
Change in interests in trusts held by others		5,143	5,143	913
Gifts for facilities and loan funds (Note 14)		60,796	60,796	54,309
Change in retirement obligations (Note 11)	132,051		132,051	(4,188)
Other changes	(144,284)		(144,284)	(127,427)
Transfers between GOA and endowment (Note 8)	817	11,242	12,059	(8,144)
Transfers between GOA and split interest agreements (Note 9)		20,256	20,256	18,896
Non-operating net assets released from restrictions	115,981	(115,981)	0	0
TOTAL NON-OPERATING ACTIVITIES	742,613	(45,520)	697,093	243,468
GENERAL OPERATING ACCOUNT NET CHANGE DURING THE YEAR	530,590	53,921	584,511	288,762
Endowment net change during the year	612,993	3,082,232	3,695,225	2,486,611
Split interest agreements net change during the year (Note 9)		80,570	80,570	36,406
NET CHANGE DURING THE YEAR	1,143,583	3,216,723	4,360,306	2,811,779
Net assets, beginning of year	16,582,744	47,748,554	64,331,298	61,519,519
NET ASSETS, END OF YEAR	\$ 17,726,327	\$ 50,965,277	\$ 68,691,604	\$ 64,331,298

The accompanying notes are an integral part of the consolidated financial statements.

CONSOLIDATED STATEMENTS OF CHANGES IN NET ASSETS OF THE ENDOWMENT

with summarized financial information for the year ended June 30, 2024

In thousands of dollars	Without donor restrictions	With donor restrictions	For the year ended June 30	
			2025	2024
Investment return (Note 3):				
Income from general investments	\$ 28,077	\$ 122,094	\$ 150,171	\$ 92,713
Realized and change in unrealized appreciation, net	1,064,882	4,616,812	5,681,694	4,390,335
Total investment return	1,092,959	4,738,906	5,831,865	4,483,048
Endowment returns made available for operations	(476,262)	(2,022,390)	(2,498,652)	(2,392,379)
Net investment return	616,697	2,716,516	3,333,213	2,090,669
Gifts for endowment (Note 14)	175	363,645	363,820	368,123
Transfers between endowment and the GOA (Note 8)	(817)	(11,242)	(12,059)	8,144
Capitalization of split interest agreements (Note 9)		18,695	18,695	23,560
Change in pledge balances (Note 6)		2,094	2,094	4,511
Change in interests in trusts held by others (Note 8)		27,928	27,928	26,478
Other changes	(4,746)	(33,720)	(38,466)	(34,874)
Net assets released from restrictions	1,684	(1,684)	0	0
NET CHANGE DURING THE YEAR	612,993	3,082,232	3,695,225	2,486,611
Net assets of the endowment, beginning of year	9,636,717	43,598,488	53,235,205	50,748,594
NET ASSETS OF THE ENDOWMENT, END OF YEAR	\$ 10,249,710	\$ 46,680,720	\$ 56,930,430	\$ 53,235,205

The accompanying notes are an integral part of the consolidated financial statements.

CONSOLIDATED STATEMENTS OF CASH FLOWS

<i>In thousands of dollars</i>	For the year ended June 30	
	2025	2024
CASH FLOWS FROM OPERATING ACTIVITIES:		
Change in net assets	\$ 4,360,306	\$ 2,811,779
Adjustments to reconcile change in net assets to net cash (used in) operating activities:		
Depreciation	459,031	440,257
Writeoffs and amortization of premium and discount related to bonds and notes payable	(46,978)	(73,841)
Amortization of debt issuance cost	754	749
Realized and change in unrealized appreciation, net	(6,670,936)	(5,149,989)
Change in fair value of interest rate exchange agreements	(129)	(1,795)
Change in interests in trusts held by others	(33,070)	(27,391)
Change in liabilities due under split interest agreements	28,579	54,218
Gifts of donated securities	(54,029)	(75,057)
Proceeds from the sale of gifts of securities without donor restrictions	9,177	11,955
Gifts for restricted purposes	(335,979)	(352,377)
Loss on disposal of assets	22,427	10,536
Change in accrued retirement obligations	(127,625)	17,126
Non-cash operating lease costs	145,857	40,355
Changes in operating assets and liabilities:		
Receivables, net	2,361	(21,708)
Prepayments and deferred charges	(46,517)	(50,214)
Pledges receivable, net	25,303	120,845
Accounts payable	65,642	55,686
Deferred revenue and other liabilities	198,945	69,190
Operating lease liabilities	(146,954)	(32,322)
NET CASH (USED IN) OPERATING ACTIVITIES	(2,143,835)	(2,151,998)
CASH FLOWS FROM INVESTING ACTIVITIES:		
Loans made to students, faculty, and staff	(64,180)	(62,785)
Payments received on student, faculty, and staff loans	47,320	38,497
Change in other notes receivable	(5,947)	413
Proceeds from the sales and maturities of investments	19,494,996	11,366,074
Purchase of investments	(16,501,803)	(9,237,914)
Change associated with repurchase agreements	325,577	(174,788)
Additions to fixed assets	(1,084,953)	(777,016)
NET CASH PROVIDED BY INVESTING ACTIVITIES	2,211,010	1,152,481
CASH FLOWS FROM FINANCING ACTIVITIES:		
Change in overdrafts included in accounts payable	798	1,576
Change in split interest agreements from new contributions, income and payments to annuitants	(33,826)	(35,123)
Proceeds from issuance of debt	1,293,033	2,287,902
Debt repayments	(87,441)	(1,295,464)
Proceeds from the sale of gifts of securities with donor restrictions	44,852	63,102
Gifts for restricted purposes	335,979	352,377
Change in government loan advances	(3,277)	(3,034)
NET CASH PROVIDED BY FINANCING ACTIVITIES	1,550,118	1,371,336
NET CHANGE IN CASH	1,617,293	371,819
Cash, beginning of year	2,076,209	1,704,390
CASH, END OF YEAR	\$ 3,693,502	\$ 2,076,209
Cash and cash equivalents (per <i>Consolidated Balance Sheets</i>)	\$ 278,135	\$ 162,879
Cash and restricted cash held in investments (<i>Note 3</i>)	3,415,367	1,913,330
TOTAL CASH AND CASH EQUIVALENTS	\$ 3,693,502	\$ 2,076,209
Supplemental disclosure of cash flow information:		
Accounts payable related to fixed asset additions	\$ 79,520	\$ 64,981
Cash paid for interest	\$ 308,832	\$ 264,581
New operating leases – right of use assets	\$ 82,537	\$ 27,516
Establishment of postretirement health plan trust		\$ 580,725

The accompanying notes are an integral part of the consolidated financial statements.

1. UNIVERSITY ORGANIZATION

Harvard University (the “University”) is a private, not-for-profit institution of higher education with approximately 7,000 undergraduate and 14,000 graduate students in fiscal year 2025, as compared to 7,100 undergraduate and 13,900 graduate students in fiscal year 2024. Established in 1636, the University includes the Faculty of Arts and Sciences, the John A. Paulson School of Engineering and Applied Sciences, the Division of Continuing Education, ten graduate and professional Schools, the Radcliffe Institute for Advanced Study, a variety of research museums and institutes, and an extensive library system to support the teaching and research activities of the Harvard community.

The President and Fellows of Harvard College (the “Corporation”), a governing board of the University, has oversight responsibility for all of the University’s financial affairs. The Corporation delegates substantial authority to the Schools and departments for the management of their resources and operations.

The University includes Harvard Management Company (HMC), a wholly owned subsidiary founded in 1974 to manage the University’s investment assets. HMC is governed by a Board of Directors that is appointed by the Corporation.

2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Basis of presentation

The accompanying consolidated financial statements have been prepared on the accrual basis of accounting and include the accounts of the University and affiliated organizations controlled by the University. Significant inter-affiliate accounts and transactions have been eliminated.

Funds transferred to the University on behalf of specific beneficiaries (agency funds) are recorded as assets and liabilities in the *Consolidated Balance Sheets* and are not included in the *Consolidated Statements of Changes in Net Assets with General Operating Account Detail*.

Related parties to the University may include affiliates, trusts, investment holdings, Corporation members, senior management, their family members, and associated entities. Transactions with related parties occur in the ordinary course of activities and do not materially affect the University’s financial position.

The consolidated financial statements include certain prior year summarized comparative information in total, not by net asset classification. This information is not presented in sufficient detail to conform to generally accepted accounting principles (GAAP). Accordingly, such information should be read in conjunction with the University’s financial statements for the year ended June 30, 2024, from which the summarized information is derived. Certain prior year amounts have been reclassified to conform to current year presentation.

Net asset classifications

For the purposes of financial reporting, the University classifies resources into two net asset categories pursuant to any donor-imposed restrictions and applicable law.

Accordingly, the net assets of the University are classified in the accompanying consolidated financial statements in the categories that follow:

WITHOUT DONOR RESTRICTIONS— Net assets not subject to donor-imposed restrictions. Funds invested in fixed assets and unrestricted endowment funds comprise 76% of the University’s net assets without donor-imposed restrictions as of June 30, 2025. In addition, this category includes gifts and endowment income balances where the donor restriction has been met, University-designated loan funds, and other current funds.

WITH DONOR RESTRICTIONS— Net assets subject to legal or donor-imposed restrictions that will be satisfied either by actions of the University, the passage of time, or both. These net assets include net assets subject to donor-imposed restrictions that are invested to provide a perpetual source of income to the University. Generally, donors of these assets require the University to maintain and invest the original contribution in perpetuity but permit the use of some or all investment returns for general or specific purposes. The appreciation on these perpetual contributions must be reported as net assets with donor restrictions until appropriated for spending in accordance with Massachusetts law. Also included in this category are gifts donated for a particular purpose and amounts subject to time restrictions such as funds pledged for future payment.

Revenues from sources other than contributions are generally reported as increases in net assets without donor restrictions. Expenses are reported as decreases in net assets without donor restrictions. Gains and losses on investments are reported as increases or decreases in net assets without

donor restrictions, unless their use is restricted by donor stipulations or by law. Investment returns earned by restricted donor funds are initially classified as net assets with donor restrictions and then reclassified to net assets without donor restrictions when expenses are appropriated or incurred for their intended purpose. Expirations of donor restrictions on net assets are reported as reclassifications from net assets with donor restrictions to net assets without donor restrictions and appear as “Net assets released from restrictions” and “Non-operating net assets released from restrictions” in the *Consolidated Statements of Changes in Net Assets*.

Liquidity and availability

As part of the University’s liquidity management, it has a policy to structure its financial assets to be available as its general expenditures, liabilities and other obligations come due. A significant portion of the University’s annual expenditures are funded by operating revenues in the current year including student income, sponsored support, endowment returns made available for operations, gifts for current use and other revenue.

The University’s financial assets available within one year of the balance sheet date for general expenditure, such as operating expenses, scheduled principal payments on debt, and capital construction costs not financed with debt, are as follows (in thousands of dollars):

	June 30,	
	2025	2024
FINANCIAL ASSETS		
Cash and cash equivalents	\$ 278,135	\$ 162,879
Receivables, net	368,618	370,979
Pledge receivables due in one year	413,241	407,852
Cash and short-term investments held separately by General Operating Account (GOA) ¹	2,157,648	1,642,723
Investment returns made available for operations in the following year	2,863,295	2,767,274
TOTAL FINANCIAL ASSETS AVAILABLE WITHIN ONE YEAR	\$ 6,080,937	\$ 5,351,707
LIQUIDITY RESOURCES		
Credit facility, undrawn balance	1,500,000	1,500,000
Tax-exempt commercial paper, undrawn balance	1,000,000	1,000,000
Taxable commercial paper, undrawn balance	2,000,000	2,000,000
TOTAL FINANCIAL ASSETS AND LIQUIDITY RESOURCES AVAILABLE WITHIN ONE YEAR	\$ 10,580,937	\$ 9,851,707

¹ The University has a policy of maintaining liquidity outside of the General Investment Accounting (GIA) through a combination of cash equivalents and short-term investments.

The University has \$6.1 billion of financial assets that are available within one year to meet cash needs for general expenditure consisting of cash and cash equivalents, receivables pledge receivables, and short-term investments and the investment returns made available for operations. In addition to these available financial assets, a significant portion of the University’s annual expenditures will be funded by current year operating revenues.

Additionally, the University has board-designated endowment funds of \$10.2 billion. Although the University does not intend to spend from these board-designated endowment funds, other than amounts appropriated for expenditure, amounts could be directed to other purposes at the discretion of the Corporation. However, both board-designated funds and donor-restricted endowments include investments subject to lock-up provisions, which would limit the total amounts available.

Revenue recognition

Revenue is recognized when control of promised goods or services is transferred to customers, in an amount that reflects the consideration the University expects to be entitled to in exchange for those goods or services.

Student income is derived from degree programs as well as executive and continuing education programs and includes tuition, fees, and board and lodging. Student income is recognized ratably over the academic period of the course or program offered, based on time elapsed, and scholarships awarded to students reduce the amount of revenue recognized. The University’s individual schools have various billing and academic cycles and the majority of our programs are completed within the fiscal year. Student income received in advance of services to be rendered is recorded as deferred revenue, which totaled \$223.4 million and \$215.6 million at June 30, 2025 and 2024, respectively, and which are primarily recognized in the subsequent fiscal year.

Total student income of \$1.4 billion was recorded during the years ended June 30, 2025 and 2024, respectively. Student tuition, fees, board and lodging at published rates is summarized as follows for the years ended June 30, 2025 and 2024 (in thousands of dollars):

	2025	2024
Undergraduate program	\$ 429,027	\$ 414,603
Graduate and professional degree programs	730,658	707,329
Continuing education and executive programs	612,129	586,896
Board and lodging	242,871	230,792
TOTAL GROSS STUDENT INCOME	\$ 2,014,685	\$ 1,939,620

Scholarships applied to student charges were \$575,950 and \$556,716 for the years ended June 30, 2025 and 2024, respectively. Additionally, scholarships and other student awards expense totaled \$207,724 and \$192,419 for the years ended June 30, 2025 and 2024, respectively. See Note 12 for additional information on student financial aid.

Unconditional contributions, including pledges, are recognized immediately and classified as either net assets with donor restrictions or net assets without donor restrictions. Conditional contributions for which cash is received are accounted for as a liability within deferred revenue.

Sponsored support of \$973.3 million includes support from governmental and private sources. Certain sponsored arrangements are considered exchange arrangements, and revenue under these agreements is recognized based on the University's fulfillment of the contract, which is typically based on costs incurred or the achievement of milestones. Other sponsored support is considered contribution revenue, which is recognized when any donor-imposed conditions have been met, if applicable.

During fiscal year 2025, the federal government terminated or suspended payments on certain sponsored awards previously granted to the University. As a result, the University did not recognize revenue on most of these awards during the period that expenditures were incurred and the awards were terminated. Additional information regarding the effect of government action on sponsored awards and revenue recognized is included in *Note 13*.

Sponsored conditional contributions received, where the barrier to entitlement is not yet overcome, are recorded as deferred revenues of \$55.4 million and \$66.0 million as of June 30, 2025 and 2024, respectively. Funding received in advance of recognition is recorded as deferred revenue.

As of June 30, 2024, the University had \$1.6 billion in federal sponsored awards which were contractually obligated, but for which costs had not yet been incurred. As of June 30, 2025, the University had \$1.4 billion in federal sponsored awards which were contractually obligated, but

for which costs had not yet been incurred. Of this \$1.4 billion in awards, \$1.0 billion had been terminated as of June 30, 2025 and have now mostly been reinstated. Refer to *Note 13* for additional information related to award reinstatement subsequent to June 30, 2025. The fulfillment of these obligations depends on the continued availability of federal funding and government appropriations.

Other revenue of \$849.2 million in fiscal 2025 and \$883.0 million in fiscal 2024 includes several revenue streams considered exchange contracts with customers totaling \$662.1 million for fiscal year 2025 and \$719.1 million in fiscal year 2024. These revenues are recognized at the point in time goods or services are provided. Deferred revenues related to other revenue of \$76.5 million and \$84.3 million were recorded as of June 30, 2025 and 2024, respectively, which are primarily recognized in the subsequent fiscal year.

Measure of operations

Revenues earned, expenses incurred, and returns made available for operations for the purpose of teaching, conducting research, and the other programs and services of the University are the components of "Net operating surplus" in the *Consolidated Statements of Changes in Net Assets with General Operating Account Detail*. The University's non-operating activity within the *Consolidated Statements of Changes in Net Assets with General Operating Account Detail* includes contributions to the University's building construction and renovation funds, investment returns (net of amounts made available for operations), change in pledge balances, long-term benefit plan obligation funding changes, and other infrequent transactions.

Collections

The University's vast array of museums and libraries contains priceless works of art, historical treasures, literary works, and artifacts. These collections are protected and preserved for public exhibition, education, research, and the furtherance of public service. They are neither disposed of for financial gain nor encumbered in any manner. Accordingly, such collections are not recorded for financial statement purposes. Proceeds on deaccessioned collections are used to fund new collections or the direct care of existing collections. Direct care is defined as general care for the preservation of a collection.

Insurance programs

The University, together with the Harvard-affiliated teaching hospitals, are members of a captive insurance company, Controlled Risk Insurance Company (CRICO), which provides professional liability (medical malpractice) and general liability insurance for the clinical exposure of

its members. CRICO provides malpractice coverage with no deductible for its medical professionals practicing within Harvard's University Health Services department, the School of Dental Medicine, and the T.H. Chan School of Public Health.

The University also maintains a suite of commercial insurance coverages consistent with its exposures as a global educational and research institution. The University self-insures various portions of its programs consistent with regulatory authorities where appropriate and sound financial management. The University maintains reserves for the self-insured portion of claims for property, automobile liability, general liability and employers liability claims. The University regularly evaluates its programs for alignment with exposures, competitiveness and pricing efficiencies, as well as viable alternatives in the commercial and alternative risk markets. In addition, the University maintains insured dental plans and retiree health plans, and is self-insured for unemployment and all health plans for active employees. The University's claims liabilities are recognized as incurred, including claims that have been incurred but not reported, and are included in operating expenses.

Tax

The University is a tax-exempt organization under Section 501(c)(3) of the Internal Revenue Code.

On December 22, 2017, the Tax Cuts and Jobs Act (the "Act") was enacted. The Act impacts the University in several ways, including the addition of excise taxes on executive compensation and net investment income, as well as new rules for calculating unrelated business taxable income. The University records an estimate for related tax expense based on currently available regulatory guidance of the Act and continues to evaluate the impact of the Act on current and future tax positions. On July 4, 2025, the One Big Beautiful Bill Act ("OBBBA") was enacted, which further modifies the excise tax provisions and net investment income taxes applicable to certain tax-exempt organizations. The University is assessing the impact of these changes on the consolidated financial statements going forward.

Use of estimates

The preparation of financial statements in accordance with U.S. GAAP requires management to make estimates and assumptions that affect reported amounts and disclosures. Actual results could differ from those estimates.

New accounting pronouncements

Effective July 1, 2023, the University adopted ASU 2022-04, *Disclosure of Supplier Finance Program Obligations*, which requires the buyer in a supplier finance program to disclose information about the key terms of the program, outstanding confirmed amounts as of the end of the period, and a description of where in the financial statements outstanding amounts are presented. The University adopted ASU 2022-04 prospectively. This guidance did not have a significant impact on the University's consolidated financial statements. Additionally, ASU 2022-04 requires a rollforward of such amounts during each annual period, which is effective for fiscal year 2025 for the University. This guidance did not have a significant impact on the University's consolidated financial statements.

Effective July 1, 2023, the University adopted ASU 2016-13 *Financial Instruments — Credit Losses (Topic 326): Measurement of Credit Losses on Financial Instruments*. ASU 2016-13 replaced the incurred loss methodology with an expected loss methodology that is referred to as the current expected credit loss ("CECL") methodology. CECL requires an estimate of credit losses for the remaining estimated life of the financial asset using historical experience, current conditions, and reasonable and supportable forecasts, and generally applies to financial assets measured at amortized cost, including loan receivables and held-to-maturity debt securities, and some off-balance sheet credit exposures such as unfunded commitments to extend credit. Financial assets measured at amortized cost must be presented at the net amount expected to be collected by using an allowance for credit losses. This guidance did not have a significant impact on the University's consolidated financial statements.

Effective July 1, 2024, the University adopted ASU 2020-04, *Reference Rate Reform (Topic 848): Facilitation of the Effects of Reference Rate Reform on Financial Reporting*, and in January 2021 issued ASU 2021-01, *Reference Rate Reform (Topic 848): Scope*. These ASUs provide temporary optional expedients and exceptions to existing guidance on contract modifications and hedge accounting to facilitate the market transition from existing reference rates, such as London Interbank Offered Rate ("LIBOR") which has been phased out, to alternate reference rates, such as Secured Overnight Financing Rate ("SOFR"). The adoption of this standard has not had a material impact on the University's consolidated financial statements and disclosures.

3. INVESTMENTS

Investments are presented at fair value in accordance with GAAP and under the guidelines prescribed by the HMC investment valuation policy, which is reviewed and approved by the HMC Board of Directors on an annual basis.

The majority of the University's investments are managed by HMC in the GIA, a pooled investment account that consists primarily of endowment assets. Certain other investments such as cash, short-term investments, split interest agreements and other assets, are managed separately from the GIA.

The University's investment holdings as of June 30, 2025 and 2024 are summarized in the following table (in thousands of dollars):

	2025	2024
Investment portfolio assets		
Pooled general investment account assets	\$ 63,860,998	\$ 59,687,011
Other investments	3,803,560	3,008,056
Investment portfolio, at fair value	67,664,558	62,695,067
Securities pledged to counterparties, at fair value	68,408	63,786
TOTAL INVESTMENT ASSETS	67,732,966	62,758,853
Pooled general investment account liabilities	1,233,036	1,113,126
Interest rate exchange agreement	1,700	1,829
TOTAL OTHER LIABILITIES ASSOCIATED WITH THE INVESTMENT PORTFOLIO	1,234,736	1,114,955
TOTAL INVESTMENTS, NET	\$ 66,498,230	\$ 61,643,898

As of June 30, 2025 and 2024, University net investments were comprised of the following components (in thousands of dollars):

	2025	2024
POOLED GENERAL INVESTMENT ACCOUNT		
Endowment ¹	\$ 54,878,404	\$ 51,286,075
General operating account	6,434,091	6,050,001
Split interest agreements	922,812	876,711
Other internally designated funds	461,063	424,884
TOTAL POOLED GENERAL INVESTMENT ACCOUNT NET ASSETS	\$ 62,696,370	\$ 58,637,671
OTHER INVESTMENTS OUTSIDE THE GENERAL INVESTMENT ACCOUNT		
General operating and other investments ²	3,073,409	2,306,998
Split interest agreements	728,451	699,229
TOTAL OTHER INVESTMENTS OUTSIDE THE GENERAL INVESTMENT ACCOUNT	\$ 3,801,860	\$ 3,006,227
TOTAL INVESTMENTS, NET	\$ 66,498,230	\$ 61,643,898

¹ As of June 30, 2025, the total net assets of the endowment of \$56,930,430 is comprised of investments in the GIA of \$54,878,404, pledges of \$1,260,091, interests in trusts held by others of \$466,153, and \$325,782 of other non-GIA investments and GIA interest and dividends net of all internal and external management fees and expenses. See Note 8 for further composition of the net assets of the endowment.

² Consists primarily of US government securities, money markets, and fixed income funds.

Investment return

A summary of the University's total return on investments for fiscal years 2025 and 2024 is presented below (in thousands of dollars):

	2025	2024
Return on pooled general investment account:		
Realized and change in unrealized appreciation, net	\$ 6,549,997	\$ 5,060,280
Interest, dividend, fees, and expenses, net	173,324	107,094
Total return on pooled general investment account ¹	6,723,321	5,167,374
Return on other investments:		
Realized and change in unrealized appreciation, net	120,939	89,709
Interest, dividend, fees, and expenses, net	72,829	68,917
Total return on other investments	\$ 193,768	\$ 158,626
Realized and change in unrealized appreciation/(depreciation) on interest rate exchange agreement, net	(12)	2,222
TOTAL RETURN ON INVESTMENTS²	\$ 6,917,077	\$ 5,328,222

¹ Net of all internal and external management fees and expenses.

² Total return on investments is comprised of returns on the endowment, GOA, Split Interest Agreements and other.

Fair value hierarchy

The University's investments have been categorized based upon the fair value hierarchy in accordance with ASC 820, which prioritizes the inputs to valuation techniques used to measure fair value of investment assets and liabilities into three levels:

LEVEL 1 Unadjusted quoted prices in active markets that are accessible at the measurement date for identical, unrestricted assets or liabilities;

LEVEL 2 Quoted prices in markets that are not considered to be active or financial instruments for which all significant inputs are observable, either directly or indirectly;

LEVEL 3 Prices or valuations that require inputs that are significant to the fair value measurement, unobservable and/or require the University to develop its own assumptions.

Investments in externally managed funds where the University utilizes net asset values (as reported by external managers) as a practical expedient for fair value measurements are excluded from the fair value hierarchy.

The level of an asset or liability within the fair value hierarchy is based on the lowest level of any input that is significant to the fair value measurement. The University endeavors to utilize all relevant and available information in measuring fair value.

The following is a summary of the levels within the fair value hierarchy for those investment assets and liabilities subject to fair value measurement as of June 30, 2025 and summarized as of June 30, 2024 (in thousands of dollars):

	2025			2024		
	Level 1	Level 2	Level 3 ⁶	Net asset value	Total	Total
ASSETS:						
Cash and cash equivalents ¹	\$ 3,415,367				\$ 3,415,367	\$ 1,913,330
Repurchase agreements					0	325,577
Domestic equity	2,067,508			\$ 3,142,211	5,209,719	4,414,612
Foreign equity	278,347			483,811	762,158	1,136,249
Global equity				926,639	926,639	891,728
Domestic fixed income	1,119,115			1,063,812	2,182,927	2,704,154
Foreign fixed income	615,905				615,905	16,247
Emerging market equity and debt	278,654			2,218,504	2,497,158	2,705,149
High yield	13,116		\$ 58,041		71,157	215,319
Hedge funds				19,531,847	19,531,847	18,879,953
Private equity			1,916,919	24,773,582	26,690,501	23,940,344
Natural resources	825			485,295	486,120	444,283
Real estate			2,689	3,035,036	3,037,725	3,105,017
Inflation-indexed bonds	1,048,737				1,048,737	1,096,114
Due from brokers		\$ 54,697	4,643		59,340	78,927
Other investments	190	57,766			57,956	130,807
INVESTMENT ASSETS SUBJECT TO FAIR VALUE LEVELING	\$ 8,837,764	\$ 112,463	\$ 1,982,292	\$ 55,660,737	\$ 66,593,256	\$ 61,997,810
Other investment assets not subject to fair value ²					1,139,710	761,043
TOTAL INVESTMENT ASSETS³					\$ 67,732,966	\$ 62,758,853
Interests in trusts held by others ⁴			499,353		499,353	466,283
NON-INVESTMENT ASSETS SUBJECT TO FAIR VALUE LEVELING			\$ 499,353		\$ 499,353	\$ 466,283
TOTAL ASSETS					\$ 68,232,319	\$ 63,225,136
LIABILITIES:						
Due to brokers ⁵	\$ 654	\$ 1,700			\$ 2,354	\$ 9,759
Other liabilities subject to fair value		641,055			641,055	644,767
INVESTMENT LIABILITIES SUBJECT TO FAIR VALUE LEVELING	\$ 654	\$ 642,755	\$ 0		\$ 643,409	\$ 654,526
Other investment liabilities not subject to fair value					591,327	460,429
TOTAL INVESTMENT LIABILITIES					\$ 1,234,736	\$ 1,114,955
Liabilities due under split interest agreements ⁴		900,070			900,070	905,317
NON-INVESTMENT LIABILITIES SUBJECT TO FAIR VALUE LEVELING		\$ 900,070			\$ 900,070	\$ 905,317
TOTAL LIABILITIES					\$ 2,134,806	\$ 2,020,272

¹ This excludes money markets held in "Cash and cash equivalents" on the Consolidated Balance Sheets of \$55.0 million as of June 30, 2025 and 2024, respectively, which are Level 1 investments.

² As of June 30, 2025 and 2024 other assets not subject to fair value consists primarily of receivables for transactions that settled subsequent to the balance sheet date of \$1,044,015 and \$627,506, respectively.

³ As of June 30, 2025 and 2024, total investment assets, net equal \$66,498,230 and \$61,643,898, respectively.

⁴ Amounts excluded from investments and included separately on the University's Consolidated Balance Sheets.

⁵ Includes fair value of an interest rate exchange agreement on the University's debt portfolio of \$1,700 and \$1,829 as of June 30, 2025 and 2024, respectively.

⁶ As of June 30, 2025, \$336,881 of Level 3 assets were valued using significant unobservable inputs.

The following is a rollforward of Level 3 investments for the year ended June 30, 2025 and the condensed June 30, 2024 rollforward of Level 3 investments (in thousands of dollars).

	Beginning balance as of July 1, 2024	Net realized gains/(losses)	Net change in unrealized appreciation/(depreciation) ¹	Purchases/contributions	Sales/distributions	Transfers into Level 3	Transfers out of Level 3 ²	Ending balance as of June 30, 2025
INVESTMENT ASSETS:								
High yield	\$ 198,591	\$ 661	\$ (5,143)	\$ 56,800	\$ (192,868)			\$ 58,041
Private equity	1,277,685	86,951	244,479	325,385	(180,354)	\$ 175,675	\$ (12,902)	1,916,919
Real estate	6,861	8	(3,830)		(350)			2,689
Due from brokers	4,645		(2)					4,643
INVESTMENT ASSETS SUBJECT TO FAIR VALUE LEVELING								
	\$ 1,487,782	\$ 87,620	\$ 235,504	\$ 382,185	\$ (373,572)	\$ 175,675	\$ (12,902)	\$ 1,982,292
Interests in trusts held by others	\$ 466,283		\$ 34,294		\$ (1,224)			\$ 499,353
NON-INVESTMENT ASSETS SUBJECT TO FAIR VALUE LEVELING								
	\$ 466,283		\$ 34,294		\$ (1,224)			\$ 499,353
TOTAL ASSETS SUBJECT TO FAIR VALUE LEVELING								
	\$ 1,954,065	\$ 87,620	\$ 269,798	\$ 382,185	\$ (374,796)	\$ 175,675	\$ (12,902)	\$ 2,481,645
INVESTMENT LIABILITIES:								
Other liabilities subject to fair value	\$ 42,289	\$ (961)	\$ 949	\$ (76,277)	\$ 34,000			\$ 0
TOTAL LIABILITIES SUBJECT TO FAIR VALUE LEVELING								
	\$ 42,289	\$ (961)	\$ 949	\$ (76,277)	\$ 34,000			\$ 0
NET ASSETS SUBJECT TO FAIR VALUE LEVELING								
	\$ 1,911,776	\$ 88,581	\$ 268,849	\$ 458,462	\$ (408,796)	\$ 175,675	\$ (12,902)	\$ 2,481,645

¹ Total change in unrealized appreciation/(depreciation) relating to Level 3 investment assets and investment liabilities still held by the University at June 30, 2025 is \$335,394 and is reflected in "Realized and change in unrealized appreciation/(depreciation), net" in the Consolidated Statements of Changes in Net Assets.

² The transfers into Level 3 represent certain private equity investments that were valued using a secondary sale price.

³ The transfers out of Level 3 represent interests in private companies that underwent an initial public offering during the fiscal year.

	Beginning balance as of July 1, 2023	Net realized gains/(losses)	Net change in unrealized (depreciation)/appreciation ¹	Purchases/contributions	Sales/distributions	Transfers into Level 3 ²	Transfers out of Level 3 ³	Ending balance as of June 30, 2024
PRIOR YEAR NET ASSETS SUBJECT TO FAIR VALUE LEVELING								
	\$ 1,759,017	\$ 151,449	\$ (73,938)	\$ 409,406	\$ (560,083)	\$ 245,277	\$ (19,352)	\$ 1,911,776

¹ Total change in unrealized (depreciation)/appreciation relating to Level 3 investment assets and investment liabilities still held by the University at June 30, 2024 is \$121,508 and is reflected in "Realized and change in unrealized appreciation/(depreciation), net" in the Consolidated Statements of Changes in Net Assets.

² The transfers into Level 3 represent certain private equity investments that were valued using a secondary sale price.

³ The transfers out of Level 3 represent interests in private companies that underwent an initial public offering during the fiscal year.

Investment strategy and risk

The University utilizes a number of wholly owned subsidiary entities to support its investment activities. The consolidated financial statements include all assets, liabilities, income, and expenses associated with these entities and intercompany accounts and transactions have been eliminated during consolidation.

The University's investment strategy incorporates a diversified asset allocation approach and maintains, within defined limits, exposure to the movements of the global public and private equity, fixed income, real estate, and commodities markets. Exposure to these markets is achieved through direct investments in individual securities, investments in special purpose vehicles and/or through investments in vehicles advised by external managers.

Investments in global markets involve a multitude of risks such as price, interest rate, market, sovereign, currency, liquidity and credit risks, amongst many others. The University manages exposure to these risks through established policies and procedures related to its ongoing investment diligence and operational due diligence programs. The University also considers manager concentration risk. As of June 30, 2025, 13% of the GIA NAV was invested across 5 diversified fund managers. The University anticipates that the value and composition of its investments may, from time to time, fluctuate substantially in response to any or all of the risks described herein.

Cash and cash equivalents

Cash and cash equivalents are recorded at cost, which approximates fair value, and includes cash in bank accounts, institutional money market funds and other temporary investments held for working capital purposes with

original maturities of three months or less. Cash and cash equivalents do not include cash balances held as collateral by the University. Cash and cash equivalents designated for investment purposes are included in the “Investment portfolio, at fair value” in the *Consolidated Balance Sheets*.

Repurchase agreements

The University *Consolidated Balance Sheets* display the assets generated by repurchase transactions. The University enters into these transactions under agreements containing master netting arrangements. The University requires the fair value of the collateral exchanged under these agreements to be equal to or in excess of the total amount of the agreement, including interest where applicable. At June 30, 2025, the University had no gross asset repurchase agreements and at June 30, 2024 the University had gross asset repurchase agreements of \$0.3 billion which was fully collateralized. The University does not offset repurchase agreements that are subject to master netting arrangements or similar arrangements on the University’s *Consolidated Balance Sheets*.

Dividend and interest income

Dividend income is recognized net of applicable withholding taxes on the ex-dividend date. Non-cash dividends are recorded at the fair value of the securities received. Interest income and expense is recorded net of applicable withholding taxes, on an accrual basis. The University amortizes bond premiums and accretes bond discounts using the effective yield method and when cash collection is expected.

Traded securities

Instruments listed or traded on a securities exchange are valued at the last quoted price on the primary exchange where the security is traded. Where there is no readily available closing price on the valuation date, long positions are valued at the bid price and short positions are valued at the ask price. Restrictions that are attached to a security are factored into the valuation of that security, reflective of the estimated impact of those restrictions. Investments in non-exchange traded debt and equity instruments are primarily valued using inputs provided by independent pricing services or by broker/dealers who actively make markets in these securities.

Derivatives

The University uses a variety of financial instruments with off-balance sheet risk involving contractual or optional commitments for future settlement, which are exchange traded or executed over the counter (OTC). These instruments are used to (1) manage exposure to certain asset classes and/or various market risks, (2) arbitrage mispricings of related securities and (3) to manage the interest, cost and risk associated with its outstanding and/or future debt. These instruments are classified as due to/from brokers and may include option, swap, credit default, interest rate, and forward contracts. These types of instruments are primarily valued using industry standard models with independent market inputs, or by broker quotes. Inputs such as prices, spreads, curves, and/or broker quotes are evaluated for source reliability and consistency with industry standards. Counterparty marks obtained and utilized to determine daily collateral requirements are also used to corroborate input reasonability. The University considers current market conditions including interest rate and credit risks in its evaluation of inputs, pricing methodologies, and models utilized to determine fair values.

In connection with its investments in derivatives, the University maintains master netting agreements and collateral agreements with its counterparties. These agreements provide the University the right, in the event of default by the counterparty (such as bankruptcy or a failure to pay or perform), to net a counterparty’s rights and obligations under the agreement and to liquidate and offset collateral against any net amount owed by the counterparty. Collateral, generally in the form of debt obligations issued by the US Treasury, is exchanged on a daily basis as required by fluctuations in the market.

Specific credit limits are established for counterparties based on their individual credit ratings. Credit limits are monitored daily by the University and are adjusted according to policy, as necessary. Some of the financial instruments entered into by the University contain credit-risk-related contingency features that allow the parties to the agreement to demand immediate payment for outstanding contracts and/or collateral.

The following table presents information about the University's derivatives by primary risk exposure for the years ended June 30, 2025 and 2024 (in thousands of dollars):

	As of June 30, 2025			For the year ended June 30, 2025	As of June 30, 2024			For the year ended June 30, 2024
	Average quarterly notional	Gross derivative assets	Gross derivative liabilities	Net profit/ (loss) ⁴	Average quarterly notional	Gross derivative assets	Gross derivative liabilities	Net profit/ (loss) ⁴
Primary risk exposure								
Equity instruments	\$ 566,274	\$ 62,549	\$ 9,167	\$ (34,566)	\$ 1,796,421	\$ 79,883	\$ 13,682	\$ 178,867
Fixed income instruments ¹	117,000		1,700	(12)	117,000		1,829	2,222
Currency instruments	43,361	160,194	159,697	2,047	2,766	4,355	4,359	(830)
Credit instruments	4,817	4,807		(7)	4,810	4,800		236
SUBTOTAL		\$ 227,550	\$ 170,564	\$ (32,538)		\$ 89,038	\$ 19,870	\$ 180,495
TOTAL COUNTERPARTY NETTING²		(169,910)	(169,910)			(11,940)	(11,940)	
NET AMOUNTS INCLUDED IN THE CONSOLIDATED BALANCE SHEETS³		57,640	654			77,098	7,930	
TOTAL SECURITIES COLLATERAL RECEIVED/POSTED		58,387	40,833			86,839	32,983	
NET AMOUNT		(747)	(40,179)			(9,741)	(25,053)	
NET AMOUNT IN ACCORDANCE WITH ASC 210⁶		\$ 0	\$ 0			\$ 0	\$ 0	

¹ For the year ended June 30, 2025 and 2024 the balance represents an interest rate exchange swap on the University's debt portfolio.

² GAAP permits the netting of derivative assets and liabilities and the related cash collateral received and paid when a legally enforceable master netting agreement exists between the University and a derivative counterparty.

³ Included within the "Investment portfolio, at fair value" and "Other liabilities associated with the investment portfolio" line items of the Consolidated Balance Sheets.

⁴ Included within "Realized and change in unrealized appreciation/(depreciation), net" within the Consolidated Statements of Changes in Net Assets.

⁵ Includes securities posted to meet initial margin requirements on exchange traded futures.

⁶ Excludes any over-collateralized amounts in accordance with ASC 210.

External advisors

Investments managed by external advisors include investments in private equity, real estate, natural resources, hedge funds, and other externally managed funds. The University generally utilizes the capital account balance provided by the external advisor as a practical expedient to fair value unless it is probable that the University will sell a portion of an investment at a different amount. The University evaluates these external advisors through

ongoing due diligence and operational oversight, which includes an analysis of an advisor's use of and adherence to fair value principles.

The University, as an investor, has commitments to make periodic contributions in future periods to the investments managed by external advisors. The amounts of these expected disbursements as of June 30, 2025 and 2024 are disclosed below (in thousands of dollars):

	As of June 30, 2025			As of June 30, 2024		
	Fair value ¹	Remaining unfunded commitments	Estimated remaining life ²	Fair value ¹	Remaining unfunded commitments	Estimated remaining life ²
Private equity funds	\$ 20,825,664	\$ 7,865,231	4 – 10	\$ 19,009,670	\$ 8,208,903	4 – 10
Real estate funds	2,246,789	1,875,753	4 – 10	2,929,004	1,957,707	4 – 10
Other externally managed funds ³	4,051,314	1,918,939	2 – 8	3,368,975	2,258,213	2 – 8
TOTAL	\$ 27,123,767	\$ 11,659,923		\$ 25,307,649	\$ 12,424,823	

¹ Represents the fair value of the funded portion of investments with remaining unfunded commitments.

² The estimated remaining lives of these funds, expressed in years, are forward-looking projections based on the University's estimates and could vary significantly depending on the investment decisions of external managers, changes in the University's investment portfolio, and other circumstances.

³ Investments in externally managed funds primarily include exposures to hedge funds and natural resources.

Investments in externally managed funds generally have limited redemption options for investors and, subsequent to final closing, may or may not permit subscriptions by new or existing investors. These entities may also have the ability to impose gates, lockups and other restrictions on an investor's ability to readily redeem out of their investment interest in the fund.

Direct investments

Direct investments are primarily valued using a combination of independent appraisals and/or one or more industry standard valuation techniques (e.g., income approach, market approach, or cost approach). The income approach is primarily based on the investment's anticipated future income using one of two principal methods: the discounted cash flow method or the capitalization method. Inputs and estimates developed and utilized with these techniques may be subjective, unobservable, and require

judgment regarding significant matters such as estimating the amount and timing of future cash flows, forward pricing assumptions and the selection of discount and capitalization rates that appropriately reflect market and credit risks. The market approach derives investment value through comparison to recent and relevant market transactions with similar investment characteristics. The cost approach is utilized when the cost of the investment is determined to be the best representation of fair value. This method is typically used for newly purchased or undeveloped assets. When applicable, the University examines market data and collaborates closely with independent appraisers to arrive at the best estimation of fair value for each respective asset. The HMC Board of Directors discusses the valuation process and results with HMC management, and makes determinations on significant matters impacting valuation that may arise from time to time.

4. RECEIVABLES

The major components of receivables, net of reserves for doubtful accounts of \$12.2 million and \$13.6 million as of June 30, 2025 and 2024, respectively, were as follows (in thousands of dollars):

	2025	2024
Federal sponsored support ¹	\$ 70,558	\$ 79,024
Publications	69,834	68,407
Continuing education and executive programs	63,523	63,555
Leases	33,585	33,225
Tuition and fees	22,029	22,066
Non-federal sponsored support	13,916	15,131
Gift receipts	6,850	20,843
Other	88,323	68,728
TOTAL RECEIVABLES, NET	\$ 368,618	\$ 370,979

¹ Accounts receivable were not recognized on awards or contracts that were terminated by the federal government, as described in Note 13.

5. NOTES RECEIVABLE

Notes receivable are recorded initially at face value plus accrued interest, which approximates fair value. Notes receivable, and related allowance for doubtful accounts, were as follows (in thousands of dollars):

	2025			2024		
	Receivable	Allowance	Net	Receivable	Allowance	Net
Student loans:						
Government revolving	\$ 16,349	\$ 400	\$ 15,949	\$ 19,029	\$ 447	\$ 18,582
Institutional	73,479	1,684	71,795	74,195	1,677	72,518
Total student loans	89,828	2,084	87,744	93,224	2,124	91,100
Faculty and staff loans	347,677	179	347,498	327,461	179	327,282
Other loans	57,492	45,651	11,841	43,323	37,429	5,894
TOTAL	\$ 494,997	\$ 47,914	\$ 447,083	\$ 464,008	\$ 39,732	\$ 424,276

Government revolving loans are funded principally with federal advances to the University under the Perkins Loan, the Health Professions Student Loan (HPSL) and Loans for Disadvantaged Students in Health Professions (LDS) Programs. These advances totaled \$18.4 million and

\$21.7 million as of June 30, 2025 and 2024, respectively, and are included in "Deferred revenue and other liabilities" in the *Consolidated Balance Sheets*. During fiscal year 2018, the Perkins Loan Program ended and as a result the University began making required repayments to the government.

In fiscal year 2025, the University made the requested \$2.9 million repayment. Interest earned on the revolving and institutional loan programs is reinvested to support additional loans. The repayment and interest rate terms of the institutional loans vary considerably.

Faculty and staff notes receivable primarily consists of mortgage and educational loans. Mortgages include shared appreciation loans, loans that bear interest at the applicable federal rate and interest-free loans. In addition, certain mortgages that bear interest at the current market rate or applicable federal rate may be subsidized for an initial period. The educational loans are primarily zero-interest loans.

6. PLEDGES RECEIVABLE

Unconditional promises to donate to the University in the future are initially recorded at fair value (pledge net of discount) and subsequently amortized over the expected payment period, net of an allowance for uncollectible pledges. The University's indicative 1- to 15-year taxable unsecured borrowing rate is used to discount pledges receivable at the end of the fiscal year they are received. Discounts of \$298.9 million and \$329.4 million for the years ended June 30, 2025 and 2024, respectively, were calculated using rates ranging from 1.0% to 5.0%.

Pledges receivable included in the financial statements as of June 30, 2025 and 2024 are expected to be realized as follows (in thousands of dollars):

	2025	2024
Within one year	\$ 1,035,531	\$ 912,669
Between one and five years	1,481,080	1,601,043
More than five years	423,995	518,285
Less: discount and allowance for uncollectible pledges	(387,120)	(453,208)
TOTAL PLEDGES RECEIVABLE, NET	\$ 2,553,486	\$ 2,578,789

The University assesses the adequacy of the allowance for doubtful accounts by evaluating the loan portfolio, including such factors as the differing economic risks associated with each loan category, the financial condition of specific borrowers, the economic environment in which the borrowers operate, the level of delinquent loans, the value of any collateral, and, where applicable, the existence of any guarantees or indemnifications. In addition to these factors, the University reviews the aging of the loans receivable and the default rate in comparison to prior years. The allowance is adjusted based on these reviews. The University considers the allowance at June 30, 2025 and 2024 to be reasonable and adequate to absorb potential credit losses inherent in the loan portfolio.

Pledges receivable as of June 30, 2025 and 2024 have been designated for the following purposes (in thousands of dollars):

	2025	2024
General Operating Account balances:		
Gifts for current use	\$ 868,775	\$ 884,831
Non-federal sponsored awards	153,585	168,935
Construction and life income	271,035	267,026
Total General Operating Account balances	1,293,395	1,320,792
Endowment	1,260,091	1,257,997
TOTAL PLEDGES RECEIVABLE, NET	\$ 2,553,486	\$ 2,578,789

Because of uncertainties with regard to realizability and valuation, bequest intentions and other conditional promises are only recognized as assets if and when the specified conditions are met. Non-bequest conditional pledges totaled \$443.6 million and \$118.4 million as of June 30, 2025 and 2024, respectively.

7. FIXED ASSETS

Fixed assets are reported at cost or, if a gift, at fair value as of the date of the gift, net of accumulated depreciation. Depreciation is computed using the straight-line method over the estimated useful lives of the assets.

The major categories of fixed assets as of June 30, 2025 and 2024 are summarized as follows (in thousands of dollars):

	2025	2024	Estimated useful life (in years)
Research facilities	\$ 3,667,418	\$ 3,564,551	*
Classroom and office facilities	2,986,687	2,769,248	35
Housing facilities	2,722,211	2,698,887	35
Service facilities	1,217,277	1,204,127	35
Museums and assembly facilities	1,017,605	1,004,303	35
Libraries	575,978	558,412	35
Other facilities	449,436	436,551	35
Athletic facilities	334,204	311,268	35
Construction in progress	1,265,070	739,397	N/A
Land	1,025,245	1,025,195	N/A
Equipment	1,564,513	1,518,751	**
SUBTOTAL AT COST	16,825,644	15,830,690	
Less: accumulated depreciation	(7,274,514)	(6,897,594)	
FIXED ASSETS, NET	\$ 9,551,130	\$ 8,933,096	

* Estimated useful lives of components range from 10 to 45 years.

** Estimated useful lives of equipment range from 4 to 10 years.

Certain University facilities are subject to restrictions as to use, structural modifications, and ownership transfer. Included in the fixed asset balances are restricted facilities with a net book value of \$274.4 million and \$275.6 million as of June 30, 2025 and 2024, respectively.

The costs of research facilities are separated into the shell, roof, finishes, fixed equipment, and services. These components are separately depreciated.

Equipment includes general and scientific equipment, computers, software, furniture, and vehicles.

The University had asset retirement obligations related to future estimated environmental remediation costs of \$203.9 million and \$195.9 million as of June 30, 2025 and 2024, respectively. These are included in “Deferred revenue and other liabilities” in the *Consolidated Balance Sheets*.

Right-of-use assets from finance leases of \$146.4 million and \$66.4 million as of June 30, 2025 and 2024, respectively, are included in “Fixed assets, net” in the *Consolidated Balance Sheets*. Lease liabilities from finance leases of \$182.6 million and \$100.6 million as of June 30, 2025 and 2024, respectively, are included in “Deferred revenue and other liabilities” in the *Consolidated Balance Sheets*.

8. ENDOWMENT AND GENERAL OPERATING ACCOUNT NET ASSETS

The University's net assets consisted of the following as of June 30, 2025 and 2024 (in thousands of dollars):

	2025			2024		
	Without donor restrictions	With donor restrictions	Total	Without donor restrictions	With donor restrictions	Total
NATURE OF SPECIFIC NET ASSETS						
Perpetual endowment funds		\$ 10,399,125	\$ 10,399,125	\$ 10,007,062		\$ 10,007,062
Endowment funds and appreciation subject to distribution policy and appropriation		34,555,351	34,555,351	31,895,204		31,895,204
Endowment funds without restriction, board designated and subject to distribution policy	\$ 10,249,710		10,249,710	\$ 9,636,717		9,636,717
Pledge balances		1,260,091	1,260,091		1,257,997	1,257,997
Interests in trusts held by others		466,153	466,153		438,225	438,225
TOTAL ENDOWMENT	10,249,710	46,680,720	56,930,430	9,636,717	43,598,488	53,235,205
Operating	7,476,617		7,476,617	6,946,027		6,946,027
Unexpended contributions and endowment distributions		3,442,161	3,442,161		3,379,241	3,379,241
Student loan funds		91,203	91,203		100,202	100,202
TOTAL GENERAL OPERATING ACCOUNT	7,476,617	3,533,364	11,009,981	6,946,027	3,479,443	10,425,470
Split interest agreements (Note 9)		751,193	751,193		670,623	670,623
TOTAL NET ASSETS	\$ 17,726,327	\$ 50,965,277	\$ 68,691,604	\$ 16,582,744	\$ 47,748,554	\$ 64,331,298

Endowment

The University's endowment consists of approximately 14,765 separate funds established over many years for a wide variety of purposes. Endowment fund balances are classified and reported in accordance with donor specifications and state law. The endowment includes both donor-restricted endowment funds and funds functioning as endowment which are not subject to donor-imposed restrictions, however decisions to spend their principal require the approval of the Corporation and therefore are classified as Board-designated endowment funds. The majority of the endowment is invested in the GIA (see Note 3).

The University is also the beneficiary of certain irrevocable trusts held and administered by others. The estimated fair values of trust assets, which include the present values of expected future cash flows from outside trusts and the fair value of the underlying assets of perpetual trusts, are recognized as assets and increases in net assets when the required trust documentation is provided to the University.

The fair values of these trusts are provided by the external trustees and are adjusted annually by the University. These are included as Level 3 investments in the fair value hierarchy table in Note 3.

The University's endowment distribution policies are designed to preserve the value of the endowment in real terms (after inflation) and generate a predictable stream of available income. Each fall, the Corporation approves

the endowment distribution for the following fiscal year. Distribution from an underwater endowment fund (a fund below its historic dollar value) could continue in limited and defined circumstances under the University's endowment distribution policy. To the extent that the fair value of a donor restricted endowment fund falls below its historic dollar value it would be reported as a reduction of net assets with donor restrictions.

At June 30, 2025 and 2024, funds in a deficit position were reported in net assets with donor restrictions and are comprised as follows (in thousands):

	2025	2024
Fair value of underwater endowment funds	\$ 5,952	\$ 13,335
Historic dollar value	6,297	13,928
TOTAL DEFICIT OF UNDERWATER ENDOWMENT FUNDS	\$ (345)	\$ (593)

The endowment distribution is based in part on presumptive guidance from a formula that is intended to provide budgetary stability by smoothing the impact of annual investment gains and losses. The formula's inputs reflect expectations about long-term returns and inflation rates. For fiscal year 2025, the endowment distribution approved by the Corporation (prior to decapitalizations) was equal to 4.9% of the fair value of the endowment invested in the GIA as of the beginning of the fiscal year. The total endowment distribution made available for operations was \$2.5 billion and \$2.4 billion in fiscal year 2025 and 2024, respectively.

Each year the Corporation also approves certain decapitalizations from the endowment to support strategic, mission-critical activities or objectives that are typically one-time or time-limited and therefore, are excluded from net operating surplus. These decapitalizations totaled \$47.8 million and \$38.7 million in fiscal year 2025 and 2024, respectively. These additional decapitalizations, in combination with the endowment distribution, resulted in an aggregate payout rate of 5.0% in fiscal year 2025 and 2024.

General operating account

The GOA consists of the general or current funds of the University as well as the assets and liabilities related to student and faculty loans and facilities. The GOA accepts, manages, and pays interest on reserves held by University departments; maintains working capital; makes internal loans; and arranges external financing. It is used to manage, control, and execute University financial transactions except for those related to investment activities conducted by HMC.

9. SPLIT INTEREST AGREEMENTS

Under split interest agreements, donors enter into trust or other arrangements with the University in which the University receives benefits that are shared with other beneficiaries and institutions. Split interest agreement (SIA) investment assets are invested primarily in the GIA as publicly-traded securities, a small segment is managed by an external advisor, and all are recorded in the “Investment portfolio, at fair value” in the University’s *Consolidated Balance Sheets*. Additional disclosures are included in Note 3. Associated liabilities are recorded at the present value of estimated future payments due to beneficiaries and

other institutions. These liabilities are calculated using the University’s current taxable unsecured borrowing rate of 4.6% and 5.0% as of June 30, 2025 and 2024, respectively. All split interest agreement net assets and the respective activity are reported within net assets with donor restrictions. Upon termination of a split interest agreement, the net assets are transferred to the GOA or endowment accordingly.

The changes in split interest agreement net assets for fiscal years 2025 and 2024 were as follows (in thousands of dollars):

	2025	2024
Investment return:		
Investment income	\$ 20,496	\$ 20,273
Realized and change in unrealized appreciation, net	132,071	115,681
Total investment return	152,567	135,954
Gifts (Note 14) ¹	5,260	5,994
Payments to annuitants	(67,977)	(68,969)
Transfers to endowment	(18,695)	(23,560)
Transfers between SIA and the GOA	(20,256)	(18,896)
Change in liabilities and other adjustments	29,671	5,883
NET CHANGE DURING THE YEAR	80,570	36,406
Total split interest agreement net assets, beginning of year	670,623	634,217
TOTAL SPLIT INTEREST AGREEMENT NET ASSETS, END OF YEAR	\$ 751,193	\$ 670,623

¹ Shown at net present value. The undiscounted value of these gifts was \$13,655 and \$13,573 for the years ended June 30, 2025 and 2024, respectively.

Split interest agreement net assets as of June 30, 2025 and 2024 consisted of the following (in thousands of dollars):

	2025	2024
Split interest agreement investments (Note 3)		
Charitable remainder trusts	\$ 1,082,942	\$ 1,043,608
Charitable lead trusts	106,592	102,711
Charitable gift annuities	281,872	264,521
Pooled income funds	179,857	165,100
Total split interest agreement investments ¹	1,651,263	1,575,940
Liabilities due under split interest agreements:		
Amounts due to beneficiaries	(786,348)	(827,251)
Amounts due to other institutions	(113,722)	(78,066)
Total liabilities due under split interest agreements	(900,070)	(905,317)
TOTAL SPLIT INTEREST AGREEMENT NET ASSETS, END OF YEAR	\$ 751,193	\$ 670,623

¹ For the year ended June 30, 2025, \$922,812 of SIA investments are held in the pooled general investment account and \$728,451 of SIA investments are held in the other investments outside the general investment account. For the year ended June 30, 2024, \$876,711 of SIA investments are held in the pooled general investment account and \$699,229 of SIA investments are held in the other investments outside the general investment account. Refer to Note 3.

10. BONDS AND NOTES PAYABLE

Bonds and notes payable as of June 30, 2025 and 2024 were as follows (in thousands of dollars):

	Fiscal year of issue	Fiscal year of final maturity ¹	Effective rate ²	Outstanding principal	
				2025 ³	2024 ³
TAX-EXEMPT BONDS:					
Variable-rate demand bonds:					
Series R – daily	2000-2006	2032	2.0%	\$ 65,400	\$ 81,850
Series Y – daily	2000	2036	2.1%	117,905	117,905
Total variable-rate bonds			2.1%	183,305	199,755
Fixed-rate bonds:					
Series 2016A	2017	2041	4.1%	1,046,965	1,073,110
Series 2020A	2020	2031	4.5%	346,680	346,680
Series 2022B	2022	2033	4.4%	207,830	207,830
Series 2024B	2024	2036	4.2%	734,995	734,995
Series 2025A	2025	2036	4.4%	434,080	
Total fixed-rate bonds			4.3%	2,770,550	2,362,615
TOTAL TAX-EXEMPT BONDS			4.1%	2,953,855	2,562,370
TAXABLE BONDS:					
Fixed-rate bonds:					
Series 2008A	2008	2039	5.6%	243,000	243,000
Series 2008D	2009	2039	6.5%	500,000	500,000
Series 2010C	2011	2041	4.9%	300,000	300,000
Series 2013A	2013	2038	3.6%	352,000	352,000
Series 2016B	2017	2057	3.2%	1,000,000	1,000,000
Series 2020B	2020	2051	2.5%	500,000	500,000
Series 2022A	2022	2053	3.8%	500,000	500,000
Series 2024A	2024	2035	4.6%	750,000	750,000
Series 2025B	2025	2036	5.1%	750,000	
Total fixed-rate bonds			4.3%	4,895,000	4,145,000
TOTAL TAXABLE BONDS			4.2%	4,895,000	4,145,000
Notes payable	Various	Various	Various	86,871	85,717
Unamortized original issuance premium/discount, net				386,119	365,888
Unamortized bond issuance costs				(28,397)	(24,895)
TOTAL BONDS AND NOTES PAYABLE			4.1%	\$ 8,293,448	\$ 7,134,080

¹ The weighted average maturity of the portfolio on June 30, 2025 was 13.7 years.

² For fixed-rate bonds the effective rate is calculated as: coupon rate x (par value / book value*). For variable rate bonds and commercial paper the effective rate is the one-year average rate. Effective rates are exclusive of the Series Y interest rate exchange agreement, which would increase the overall portfolio rate by 0.09%.

* Book value = par value + unamortized original issuance premium - unamortized original issuance discount, underwriter's discount, and cost of issuance

³ Par only—balances exclude original issuance premiums/discounts.

Interest expense related to bonds and notes payable, net of amortization and accretion, was \$262.7 million and \$225.3 million for fiscal 2025 and 2024, respectively. The interest expense in the *Consolidated Statement of Changes in Net Assets with General Operating Account Detail* includes additional components related to finance leases. Excluding unamortized discounts and premiums, unamortized underwriter's discount and unamortized cost of issuance, scheduled principal payments are (in thousands of dollars):

Fiscal year	Principal payments
2026	\$ 100,967
2027	102,795
2028	104,656
2029	111,213
2030	571,778
Thereafter	6,944,317
TOTAL PRINCIPAL PAYMENTS	\$ 7,935,726

In fiscal 2025, the University issued \$502.8 million (\$434.1 million par) of tax-exempt fixed-rate Series 2025A Bonds and \$750.0 million of taxable fixed-rate Series 2025B Bonds. Proceeds from the Series 2025A issue will be used to fund certain University capital projects that are currently underway. Proceeds from the Series 2025B issue will be used for general University purposes and capital spending.

In fiscal 2025, the University had \$42.6 million of scheduled long-term principal maturities and \$50.9 million of net decrease to the book value of the portfolio (including amortization of bond premium and issuance fees). The result of the various issuances, paydowns, and amortizations was an overall increase in the University's bonds and notes payable from \$7.1 billion to \$8.3 billion.

The University is rated Aaa by Moody's Ratings and AAA by S&P Global Ratings, which were both most recently re-affirmed in April 2025.

The University has one unsecured, revolving credit facility with a syndicate of banks totaling \$1.5 billion, which expires

in December 2027. The facility was renewed in September 2024. There was no outstanding drawn balance on the credit facility at June 30, 2025.

The University has taxable commercial paper available totaling \$2.0 billion. There was no drawn balance on the taxable commercial paper line at June 30, 2025.

The University has tax-exempt commercial paper available totaling \$1.0 billion. There was no drawn balance on the tax-exempt commercial paper line at June 30, 2025.

At June 30, 2025, the University had \$183.3 million of variable rate demand bonds outstanding with daily interest rate resets. In the event that the University receives notice of any optional tender on its variable rate demand bonds, or if the bonds become subject to mandatory tender, the purchase price of the bonds will be paid from the remarketing of such bonds. However, if the remarketing proceeds are insufficient, the University will have a general obligation to purchase the bonds tendered with cash on hand.

11. EMPLOYEE BENEFITS

The University offers current employees a choice of health plans, a dental plan, short-term and long-term disability plans, life insurance, tuition assistance, and a variety of other benefits such as subsidized passes for public transportation and for Harvard athletic facilities. In addition, the University has retirement plans covering substantially all employees.

The University uses a measurement date of June 30 for its pension and postretirement health plans.

457(b) deferred compensation plan

The University offers a non-qualified deferred compensation plan under Internal Revenue Code 457(b) to a select group of employees. There is no University contribution related to the plan. The University has recorded both an asset and a liability related to the plan of \$296.9 million as of June 30, 2025 and \$256.5 million as of June 30, 2024; the assets are included in "Prepayments and deferred charges" and the liabilities are included in "Deferred revenue and other liabilities" on the University's *Consolidated Balance Sheets*.

Pension benefits

All eligible faculty members and staff are covered by retirement programs that include a defined benefit component, a defined contribution component, or a combination of the two.

In accordance with the Employee Retirement Income Security Act (ERISA) requirements, the University has established a trust to hold plan assets for its defined benefit pension plans. The fair value of the trust's assets was \$777.2 million and \$779.3 million as of June 30, 2025 and 2024, respectively. During fiscal years 2025 and 2024, the University made cash contributions to the defined benefit pension plan of \$15.4 million and \$11.1 million, respectively. The University recorded expenses for its defined contribution plans of \$197.1 million for fiscal year 2025 and \$190.9 million for fiscal year 2024.

Postretirement health benefits

The University provides postretirement health coverage and life insurance to substantially all of its employees. In fiscal year 2024, the University established a trust to hold plan assets for its postretirement health plan. The fair value of the trust's assets was \$641.1 million and \$602.5 million as of June 30, 2025 and 2024, respectively. Additionally, the University had internally designated and invested

\$445.8 million and \$411.1 million as of June 30, 2025 and 2024, respectively, in the GIA to fund toward postretirement health benefits and other benefits related costs.

The following table sets forth the pension and postretirement plans' funded status that is reported in the *Consolidated Balance Sheets* as of June 30, 2025 and 2024 (in thousands of dollars):

	Pension benefits		Postretirement health benefits	
	2025	2024	2025	2024
Change in benefit obligation:				
Benefit obligation, beginning of year	\$ 819,365	\$ 834,367	\$ 838,980	\$ 798,964
Service cost	3,242	4,000	16,626	20,072
Interest cost	45,821	45,918	48,333	45,093
Plan participants' contributions			12,189	11,054
Gross benefits paid	(60,327)	(56,062)	(41,580)	(43,666)
Actuarial (gain)/loss	(3,269)	(8,858)	(112,137)	7,403
Plan amendments			30	60
BENEFIT OBLIGATION, END OF YEAR¹	804,832	819,365	762,441	838,980
Change in plan assets:				
Fair value of plan assets, beginning of year	779,268	793,133	602,478	
Employer contribution to establish postretirement health plan trust				580,725
Actual return on plan assets	42,860	31,062	67,968	54,365
Employer contributions	15,443	11,135		
Plan participants' contributions			12,189	11,054
Gross benefits paid	(60,327)	(56,062)	(41,580)	(43,666)
FAIR VALUE OF PLAN ASSETS, END OF YEAR	777,244	779,268	641,055	602,478
UNFUNDED STATUS²	\$ (27,588)	\$ (40,097)	\$ (121,386)	\$ (236,502)

¹ Measurement of the University's pension obligation including assumed salary increases (required by GAAP).

² These amounts totaling \$148,974 as of June 30, 2025 and \$276,599 as of June 30, 2024 are included in the "Accrued Retirement Obligations" line in the Consolidated Balance Sheets.

The accumulated pension benefit obligation (ABO) is a measurement of the University's pension benefit obligation, based on past and present compensation levels and does not include assumed salary increases. The ABO was \$752.1 million and \$753.6 million at June 30, 2025 and 2024, respectively. The funded status disclosed above has been prepared in accordance with pension accounting rules. When measured on an IRS funding basis, which informs the University's required cash contribution amount, the plan was overfunded at January 1, 2025.

During fiscal year 2025, the postretirement health plan experienced an actuarial gain of \$112.1 million largely attributable to the effects of the projected impact of prescription drug coverage due to the Inflation Reduction Act on Employer Group Waiver Plan (EGWP) reimbursement, resulting in higher than previously anticipated reimbursements, offset by higher than expected claims costs. The pension plan experienced an actuarial gain of \$3.3 million largely attributable to asset gains offset by a decrease in the discount rate.

Net periodic benefit cost

Components of net periodic benefit cost and other amounts recognized in the *Consolidated Statements of Changes in Net Assets with General Operating Account Detail* are summarized as follows for the years ended June 30, 2025 and 2024 (in thousands of dollars):

	Pension benefits		Postretirement health benefits	
	2025	2024	2025	2024
Components of net periodic benefit cost:				
Operating				
Service cost	\$ 3,242	\$ 4,000	\$ 16,626	\$ 20,072
Total operating activity	3,242	4,000	16,626	20,072
Non-operating				
Interest cost	45,821	45,918	48,333	45,093
Expected return on plan assets	(41,190)	(41,429)	(48,765)	
Amortization of:				
Actuarial loss/(gain)			(23,736)	(22,446)
Prior service cost/(credit)		33	(4,744)	(5,303)
Total non-operating activity ¹	4,631	4,522	(28,912)	17,344
Total net periodic benefit cost	7,873	8,522	(12,286)	37,416
Other amounts recognized in non-operating activity in unrestricted net assets:				
Current year net actuarial loss/(gain)	(4,939)	1,509	(131,341)	(46,963)
Plan amendments			30	60
Amortization of:				
Prior service (cost)/credit		(33)	4,744	5,303
Actuarial loss/(gain)			23,736	22,446
Total other amounts recognized in non-operating activity ¹	(4,939)	1,476	(102,831)	(19,154)
TOTAL RECOGNIZED IN THE CONSOLIDATED STATEMENTS OF CHANGES IN NET ASSETS WITH GENERAL OPERATING ACCOUNT DETAIL	\$ 2,934	\$ 9,998	\$ (115,117)	\$ 18,262

¹ These amounts totaling \$(132,051) in fiscal year 2025 and \$4,188 in fiscal year 2024 include gains and losses and other changes in the actuarially determined benefit obligations arising in the current period but that have not yet been reflected within net periodic benefit cost/(income) and are included in the "Change in Retirement Obligations" line in the Consolidated Statements of Changes in Net Assets with General Operating Account Detail.

Cumulative amounts recognized as non-operating changes in net assets without donor restrictions are summarized as follows for the years ended June 30, 2025 and 2024 (in thousands of dollars):

	Pension benefits		Postretirement health benefits	
	2025	2024	2025	2024
Net actuarial loss/(gain)	\$ 8,645	\$ 13,584	\$ (541,150)	\$ (433,545)
Prior service cost/(credit)			(15,642)	(20,416)
CUMULATIVE AMOUNTS RECOGNIZED IN UNRESTRICTED NET ASSETS	\$ 8,645	\$ 13,584	\$ (556,792)	\$ (453,961)

Other assumptions and health care cost trend rates used in determining the year end obligation as well as the net periodic benefit cost of the pension and postretirement health plans are summarized as follows for fiscal years 2025 and 2024:

	Pension benefits		Postretirement health benefits	
	2025	2024	2025	2024
Weighted-average assumptions used to determine benefit obligation as of June 30:				
Discount rate	5.70%	5.80%	5.80%	5.75%
Compensation increase trend:				
Initial rate	N/A	5.00%	N/A	5.00%
Ultimate rate	N/A	3.50%	N/A	3.50%
Year of ultimate	N/A	2025	N/A	2025
Cash balance (or similar formula) interest crediting rate	5.25%	5.25%	N/A	N/A
Pension increases for in-payment benefits increase trend	0.13%	0.13%	N/A	N/A
Current health care cost trend rate:				
Pre-65	N/A	N/A	6.75%	7.00%
Post-65	N/A	N/A	6.25%	6.50%
EGWP	N/A	N/A	6.00%	-26.01%
Ultimate health care cost trend rate:				
Pre-65 and Post-65	N/A	N/A	5.00%	5.00%
EGWP	N/A	N/A	5.00%	5.00%
Year of ultimate	N/A	N/A	2029	2031
Weighted-average assumptions used to determine net periodic benefit (income)/cost:				
Discount rate	5.80%	5.70%	5.75%	5.60%
Expected long-term rate of return on plan assets	5.25%	5.00%	8.30%	N/A
Compensation increase trend:				
Initial rate	5.00%	5.00%	5.00%	5.00%
Ultimate rate	3.50%	3.50%	3.50%	3.50%
Year of ultimate	2025	2025	2025	2025
Pension increases for in-payment benefits increase trend:				
Initial rate	N/A	1.00%	N/A	N/A
Ultimate rate	N/A	0.13%	N/A	N/A
Year of ultimate	N/A	2024	N/A	N/A
Health care cost trend rate:				
Initial rate Pre-65	N/A	N/A	7.00%	7.25%
Initial rate Post-65	N/A	N/A	6.50%	6.75%
Ultimate rate	N/A	N/A	-26.01%	5.00%
Year of ultimate	N/A	N/A	2031	2029

The expected return on pension plan assets is determined by utilizing an independent advisor's capital markets model, which takes into account the expected real return, before inflation, for each of the pension portfolio's asset classes, as well as the correlation of any one asset class to every other asset class. This model calculates the real returns and correlations and derives an expected real return for the entire portfolio, given the percentage weighting allocated to each asset class. After calculating the expected real return,

an assessment is made to accommodate the expected inflation rate for the forthcoming period. The final expected return on assets is the aggregate of the expected real return plus the expected inflation rate.

Plan assets

The actual asset allocation of the investment portfolio for the pension plan at June 30, 2025 and 2024, along with target allocations for June 30, 2026, is as follows:

	2026 Target	June 30, 2025	June 30, 2024
Asset allocation by category for pension plan:			
Fixed income securities	75-95%	82.4%	80.9%
Equity securities	15-25	17.3	18.5
Cash	0-5	0.3	0.6
TOTAL OF ASSET ALLOCATION CATEGORIES		100.0%	100.0%

The University's investment strategy for the pension portfolio is to manage the assets across a broad and diversified range of investment categories, both domestic and international. The objective is to achieve a risk-adjusted return that is in line with the long-term obligations that the University has to the pension plan beneficiaries. During fiscal year 2025, the University increased its allocation to fixed income securities to manage the interest rate volatility associated with its pension obligations. The

University expects to keep this strategy in future years. The investment program is also managed to comply with all ERISA regulations.

The following is a summary of the levels within the fair value hierarchy for the pension plan assets subject to fair value measurement as of June 30, 2025 and 2024 (in thousands of dollars):

	2025				2024	
	Level 1	Level 2	Level 3	NAV as practical expedient	Total	Total
PLAN ASSETS:						
Cash and short-term investments	\$ 15,682				\$ 15,682	\$ 17,850
Domestic equity				\$ 61,490	61,490	66,814
Foreign equity				70,290	70,290	74,061
Domestic fixed income				628,788	628,788	619,290
Hedge funds				18	18	102
Private equity				961	961	1,123
PLAN ASSETS SUBJECT TO FAIR VALUE LEVELING	\$ 15,682	\$ 0	\$ 0	\$ 761,547	\$ 777,229	\$ 779,240
Other assets not subject to fair value					15	28
TOTAL PLAN ASSETS					\$ 777,244	\$ 779,268

The postretirement health plan trust assets are commingled in the GIA under the guidelines prescribed by the HMC investment valuation policy, which is reviewed and approved by the HMC Board of Directors on an annual basis. Investments of the postretirement health plan are categorized within the fair-value hierarchy as Level 2 investments (see Note 3).

Expected future benefit payments

Employer contributions of \$19.2 million are expected for fiscal year 2026 to fund the pension benefit plan.

The following table summarizes expected benefit payments and subsidies for pension and other postretirement health benefits for the University (in thousands of dollars):

Fiscal year	Expected benefit payments	
	Pension	Postretirement health
2026	\$ 84,222	\$ 32,464
2027	77,592	36,040
2028	76,746	38,956
2029	76,473	41,829
2030	75,281	44,613
Thereafter	345,966	259,349

12. STUDENT FINANCIAL AID

Financial aid granted to students in fiscal 2025 and 2024 is summarized as follows (in thousands of dollars):

	2025	2024
Scholarships and other student awards:		
Scholarships applied to student income ¹	\$ 575,950	\$ 556,716
Scholarships and other student awards paid directly to students	207,724	192,419
Total scholarships and other student awards	783,674	749,135
Student employment	114,694	104,302
Student loans	12,834	13,632
Agency financial aid ²	27,605	24,726
TOTAL STUDENT FINANCIAL AID	\$ 938,807	\$ 891,795

¹ Includes \$262,047 and \$249,978 in fiscal 2025 and 2024, respectively, of undergraduate scholarships applied to student income.

² Represents aid from sponsors for which the University acts as an agent for the recipient.

13. SPONSORED SUPPORT

Total revenue from federal government sponsors and institutions that subcontract federally sponsored projects to the University was \$628.6 million and \$686.5 million in fiscal year 2025 and 2024, respectively. The University's principal source of federally sponsored funds is the Department of Health and Human Services. The University also has many non-federal sources of sponsored awards, including corporations, foundations, state and local governments, foreign governments, and research institutes.

Sponsored awards normally provide for the recovery of direct and indirect costs. Recovery of related indirect costs is generally recorded at fixed or predetermined rates negotiated with the federal government and other sponsors. Predetermined federal indirect cost rates have been established for the University Area and the Medical School (including the School of Dental Medicine) and the T.H. Chan School of Public Health through fiscal year 2028. Funds received for federally sponsored activity are subject to audit.

Typically, federal sponsored revenue is recognized as expenditures are incurred and the University is reimbursed for the work performed. However, in fiscal year 2025, the federal government terminated grants and suspended funding on a substantial portion of the University's federal awards, reducing federal sponsored revenue by \$116.2 million for the fiscal year. The loss of significant federal research funding represents a significant risk to the ongoing research enterprise.

In April 2025, the University filed a lawsuit against various federal agencies, challenging the legality of the actions of the federal government. In September 2025, a federal district court granted Harvard's motion for summary judgment, ruling that the government's freeze of research funding and termination of grants was unconstitutional and procedurally improper. Subsequent to this ruling, most terminated awards have been reinstated and the University has received reimbursement for the majority of fiscal year 2025 expenditures incurred on these awards. The federal government has indicated its intent to appeal. As of October 15, 2025, a final ruling has not been issued by the federal district court.

14. GIFTS

Gifts are classified as net assets with or without restrictions in accordance with donor specifications.

Additionally, gifts are categorized by purpose as "Current use", "Non-federal sponsored grants", "Endowment funds", "Split interest agreements", or "Loan funds and facilities".

Gifts received for the year ended June 30, 2025 are summarized as follows (in thousands of dollars):

	2025		Total
	Gifts received	Donor redesignations/ other changes	
Current use	\$ 626,814	\$ 2,066	\$ 628,880
Non-federal sponsored grants	242,589	(1,683)	240,906
Endowment funds	364,908	(1,088)	363,820
Split interest agreements ¹	5,260		5,260
Facilities and loan funds	62,881	(2,085)	60,796
TOTAL GIFTS	\$ 1,302,452	\$ (2,790)	\$ 1,299,662

¹ Shown at net present value. The undiscounted value of these gifts was \$13,655 for the year ended June 30, 2025.

Gifts received for the year ended June 30, 2024 are summarized as follows (in thousands of dollars):

	2024		Total
	Gifts received	Donor redesignations/ other changes	
Current use	\$ 530,001	\$ (2,322)	\$ 527,679
Non-federal sponsored grants	224,129	(6,054)	218,075
Endowment funds	366,556	1,567	368,123
Split interest agreements ¹	5,994		5,994
Facilities and loan funds	54,140	169	54,309
TOTAL GIFTS	\$ 1,180,820	\$ (6,640)	\$ 1,174,180

¹ Shown at net present value. The undiscounted value of these gifts was \$13,573 for the year ended June 30, 2024.

15. OTHER REVENUE

The major components of other revenue for the years ended June 30, 2025 and 2024 were as follows (in thousands of dollars):

	2025	2024
Publications and royalties from copyrights	\$ 275,775	\$ 280,534
Rental and parking ¹	170,224	160,345
Services income	146,041	139,404
Health and clinic fees	77,169	73,414
Royalties from the commercialization of intellectual property ²	56,684	106,996
Interest income	36,698	21,784
Sales income	30,124	34,827
Other student income	4,727	4,447
Other	51,765	61,261
TOTAL OTHER REVENUE	\$ 849,207	\$ 883,012

¹ The University is the lessor of space and facilities under operating leases, the income from which is included in rental and parking.

² Excludes distribution to external parties which are recorded as "Services Purchased" in the Consolidated Statements of Changes in Net Assets with General Operating Account Detail.

16. OTHER EXPENSES

The major components of other expenses for the years ended June 30, 2025 and 2024 were as follows (in thousands of dollars):

	2025	2024
Subcontract expenses under sponsored projects	\$ 210,855	\$ 184,344
Travel	102,924	104,896
Advertising	65,569	65,670
Publishing	51,799	50,703
Taxes and fees	41,295	44,039
Insurance	25,204	24,051
Fixed asset impairments	20,932	11,769
Postage	15,172	14,398
Telephone	8,351	9,135
Other	79,148	86,620
TOTAL OTHER EXPENSES	\$ 621,249	\$ 595,625

17. FUNCTIONAL AND NATURAL CLASSIFICATION OF OPERATING EXPENSES

Operating expenses are allocated functionally on a direct basis. Operations and maintenance expenses are allocated based on square footage.

Operating expenses by functional classification for the year ended June 30, 2025 were as follows (in thousands of dollars):

	2025				Total
	Instruction and academic support	Research ¹	Student services and support	Institutional support and auxiliary	
Salaries and wages	\$ 1,426,042	\$ 366,131	\$ 191,829	\$ 774,558	\$ 2,758,560
Employee benefits	372,707	88,747	67,927	226,514	755,895
Services purchased	471,446	112,692	81,536	312,314	977,988
Depreciation	46,542	162,939	17,798	231,752	459,031
Space and occupancy	143,870	77,311	36,720	196,320	454,221
Supplies and equipment	78,390	63,216	50,146	105,405	297,157
Interest	24,661	54,881	16,409	166,595	262,546
Scholarships and other student awards			207,724		207,724
Other expenses and overhead allocations	44,864	491,772	37,543	47,070	621,249
TOTAL EXPENSES	\$ 2,608,522	\$ 1,417,689	\$ 707,632	\$ 2,060,528	\$ 6,794,371

¹ The methodology used to allocate expenses for financial statement purposes is different than methodologies used for other purposes, such as governmental surveys.

Operating expenses by functional classification for the year ended June 30, 2024 were as follows (in thousands of dollars):

	2024				Total
	Instruction and academic support	Research ¹	Student services and support	Institutional support and auxiliary	
Salaries and wages	\$ 1,367,721	\$ 348,837	\$ 179,195	\$ 735,889	\$ 2,631,642
Employee benefits	342,262	82,016	61,915	204,445	690,638
Services purchased	448,121	107,728	80,122	285,104	921,075
Depreciation	47,043	155,104	16,884	221,226	440,257
Space and occupancy	138,512	75,965	38,130	186,543	439,150
Supplies and equipment	87,848	59,237	46,236	96,379	289,700
Interest	21,238	52,593	15,115	137,459	226,405
Scholarships and other student awards			192,419		192,419
Other expenses and overhead allocations	51,157	451,784	35,637	57,047	595,625
TOTAL EXPENSES	\$ 2,503,902	\$ 1,333,264	\$ 665,653	\$ 1,924,092	\$ 6,426,911

¹ The methodology used to allocate expenses for financial statement purposes is different than methodologies used for other purposes, such as governmental surveys.

18. COMMITMENTS AND CONTINGENCIES

Lease commitments

The University is the lessee of equipment and space under operating (rental) and finance leases. The University determines whether a contract is a lease at inception. Identified leases are subsequently measured, classified, and recognized at lease commencement. The University categorizes leases with contractual terms longer than twelve months as either operating or finance. The University's leases generally have terms that range from one to five years for equipment and one to twenty years for property, with certain leases inclusive of renewal options if they are considered to be reasonably assured at lease commencement. Right of use assets and lease liabilities for operating leases are included in "Operating leases — right of use assets" and "Operating lease liabilities", respectively, in the *Consolidated Balance Sheets*. Finance lease right of use assets and lease liabilities are included in "Fixed assets, net" and "Deferred revenue and other liabilities", respectively, in the *Consolidated Balance Sheets*. Lease assets represent our right to use an underlying asset for the lease term and lease liabilities represent our obligation to make lease payments arising from the lease.

Operating and finance lease right of use assets and associated lease liabilities are recognized based on the present value of future minimum lease payments to be made over the expected lease term, using the collateralized incremental borrowing rate at the commencement date in determining the present value of future payments. Rent expense related to operating leases, including short-term leases and variable lease payments, was \$103.6 million and \$114.6 million in fiscal year 2025 and 2024, respectively.

Maturity analysis of the annual undiscounted cash flows reconciled to the carrying value of the operating and finance lease liabilities (in thousands of dollars):

	Operating	Finance
2026	\$ 68,780	\$ 27,390
2027	68,100	19,428
2028	64,738	20,949
2029	63,424	20,147
2030	62,451	17,023
Thereafter	405,196	254,403
TOTAL LEASE PAYMENTS	732,689	359,340
Less: Imputed interest	(157,770)	(176,783)
PRESENT VALUE OF LEASE LIABILITIES	\$ 574,919	\$ 182,557

Weighted-average remaining lease term and discount rate for operating and finance leases were as follows:

	June 30, 2025
Weighted average remaining lease term	
Operating leases	14.3 YEARS
Finance leases	19.3 YEARS
Weighted average discount rate	
Operating leases	3.5%
Finance leases	4.7%

The University leases properties to customers under agreements that are classified as operating or sales-type leases. Property leased to others in operating lease arrangements are included in "Fixed assets, net" in the *Consolidated Balance Sheets*. Revenue is recognized to the extent that amounts are determined to be collectible.

Fixed asset-related commitments

The University has various commitments for capital projects involving construction and renovation of certain facilities, real estate acquisitions, and equipment purchases, for which the outstanding commitments as of June 30, 2025 totaled approximately \$1.0 billion.

Environmental remediation

The University is subject to laws and regulations concerning environmental remediation and has established reserves for potential obligations that management considers to be probable and for which reasonable estimates can be made. These estimates may change substantially depending on new information regarding the nature and extent of contamination, appropriate remediation technologies, and regulatory approvals. Costs of future environmental remediation have been discounted to their net present value. Management is not aware of any existing conditions that it believes are likely to have a material adverse effect on the University's financial position, changes in net assets, or cash flows.

General

The University is a defendant in various lawsuits arising from the normal course of its operations. Separately, the University is subject to multiple investigations from the federal government. The University has filed a lawsuit against the federal government relating to Harvard's research awards and a separate lawsuit relating to Harvard's international student programs. It is not possible to predict or determine the eventual outcome of these lawsuits and investigations. Management believes that the resolution of these proceedings will not have a material adverse effect on the University's financial position, changes in net assets, or cash flows. Additional information regarding the University's research award-related lawsuit against the federal government is included in *Note 13*.

The University has evaluated subsequent events through October 15, 2025, the date the financial statements were issued. Subsequent to June 30, 2025, the University has received reimbursements on the majority of expenses incurred on federal awards that had been terminated in fiscal year 2025 and subsequently reinstated. Additional information is included in *Note 13*. The University has concluded that no additional material events have occurred that are not accounted for in the accompanying financial statements or disclosed in the accompanying notes.

Schedule of Expenditures of Federal Awards

Harvard University
Schedule of Expenditures of Federal Awards
Year Ended June 30, 2025

Federal Grantor/Pass-through Grantor/Program or Cluster Title	Assistance Listing Number	Award Number	Pass-through Entity Identification Number	Federal Expenditures	Passed to Sub-Recipients
Research and Development Cluster					
Direct Award					
Agency for International Development					
Building Local State Capacity: Evidence from Technology Investments in Ghana	98.001	7200AA22FA00039		\$ 293,279	\$ -
Evaluating a Social Protection Program to Reduce Poverty	98.001	7200AA24FA00026		41,509	-
Kartu Prakerja: Evaluating Indonesia's Jobs Training and Cash Transfer Program	98.001	7200AA21FA00005		243,700	134,255
Total for Assistance Listing Number 98.001				578,488	134,255
Total for Agency for International Development Research and Development (R&D)				578,488	134,255
Department of Agriculture					
Adaptive forest management options for white ash influenced by the invasive emerald ash borer	10.310	2021-68008-34102		38,073	30,263
Toward a comprehensive understanding of the economic and ecological impacts of land protection	10.310	2021-67023-34491		41,170	-
Total for Assistance Listing Number 10.310				79,243	30,263
Arboretum Families	10.699	23-CS-11242308-068		21,101	-
Total for Assistance Listing Number 10.699				21,101	-
Explore the Range of Climatic Sensitivity of Tree Species in the Northeastern US Under Climate Change	10.707	22-JV-11242306-078		4,881	-
The Next Phase of the Undergraduate Forestry Data Sciences Program	10.707	22-JV-11221638-199		3,729	-
Total for Assistance Listing Number 10.707				8,610	-
Supporting Mature and Old Growth Forest Mapping with the Global Ecosystem Dynamics Investigation Waveform Lidar	10.729	23-PA-11132400-357		202,787	-
Total for Assistance Listing Number 10.729				202,787	-
Total for Research and Development (R&D)				311,741	30,263
Department of Commerce					
Monitoring smoke hazards across the western United States: Tools for fire scientists, policymakers, and stakeholders	11.431	NA22OAR4310140-T1-01		110,055	-
Total for Assistance Listing Number 11.431				110,055	-
An interactive interface for machine learning-guided protein library design	11.609	70NANB24H116-1		44,868	-
Total for Assistance Listing Number 11.609				44,868	-
Total for Department of Commerce Research and Development (R&D)				154,923	-
Department of Defense					
Data Science-Driven Data Science Education	12.006	HQ00342110012		2,576,249	189,105
Educating for American Democracy - A National Program for Civic Educator Professional Development	12.006	HQ00342310012		1,359,129	73,671
Total for Assistance Listing Number 12.006				3,935,378	262,776
Unseen Legacies of the Vietnam War: Finding, Archiving and Sharing the Missing Data and Historical Ephemera	12.015	HQ00342120011		1,793,861	-
Total for Assistance Listing Number 12.015				1,793,861	-
An end-to-end architecture for efficient choice: From perception to goals	12.300	N00014-22-1-2205		254,304	-
Aqueous Porous Liquids for Undersea Medicine	12.300	N00014-22-1-2739		217,413	-
Brain inspired neural computation of structured knowledge	12.300	N00014-23-1-2051		532,695	68,756
Carbon Dioxide Reduction Catalysis to Eliminate the Need for Rebreathers in Diving Operations	12.300	N00014-22-1-2470		415,879	-
Collective Decision Making With Large Language Models	12.300	N000142412704		74,005	-
Decision Making in Heterogenous Multi-Agent Systems with Misinformation and Sparse Communication	12.300	N00014-21-1-2714		(4,555)	-
Designing Aqueous Porous Liquids for in vivo Gas Absorption	12.300	N00014-23-1-2550		11,022	20,188
Enhancing The High Temperature Emittance of Thermal Radiation Barrier Oxides	12.300	N000142512289		3,407	-
Estimating the treatment effect in high-dimensions under interference	12.300	N00014-23-1-2489		89,299	-
Exploration of Kac's walk and analysis of bayesian distributed computing	12.300	N000142112664		79,201	-
Generating Breathable Oxygen from Seawater for Underwater Operations	12.300	N000142512152		9,001	-
Materials Design for Thermal Radiation Blocking Thermal Barrier Coatings	12.300	N000142112478		86,691	-
Memory, Attention, and Interaction: Learning Language Models with a Long Memory	12.300	N000142212377		206,059	-
Microporous Water for in vivo Gas Absorption	12.300	N000142412282		380,880	189,605
Next-Generation Materials for Oxygen Generation, Transport, and Storage in the Undersea Environment	12.300	N00014-20-1-2418		1,784,524	648,175
Non-Abelian Anyon Braiding in Corbino Topological Josephson Junctions	12.300	N000142412081		254,100	-
Programmable Assembly of Functional Human Tissues	12.300	N00014-21-1-2958		229,471	-
Quantum Engineered van der Waals Heterostructures for Topological Electronic Structures toward Novel Device	12.300	N00014-18-1-2877		29,108	-
Self-regulating Surfaces that Mitigate Detrimental Changes in Marine Conditions	12.300	N000142512128		62,716	-
Social Choice for AI Alignment	12.300	N000142512153		30,721	-
Spectroscopy Enhanced Analytical (SEA) Instrumentation Suite for Studies of Oxygen and Carbon Dioxide Management	12.300	N000142412248		298,774	-

Harvard University
Schedule of Expenditures of Federal Awards
Year Ended June 30, 2025

Federal Grantor/Pass-through Grantor/Program or Cluster Title	Assistance Listing Number	Award Number	Pass-through Entity Identification Number	Federal Expenditures	Passed to Sub-Recipients
Supporting Human Learning in the Context of AI-Assisted Decision-Making	12.300	N000142412726		102,308	-
Towards Distributed and Online Partially Observable Stochastic Camouflage Games	12.300	N00014-23-1-2802		392,320	169,928
VdW structural engineering to create novel nanomagnetism	12.300	N000142512285		9,192	-
Total for Assistance Listing Number 12.300				5,548,535	1,096,652
Fundamental Studies of Stored Energy for Photochemical Destruction of CWA Simulants	12.351	HDTRA12110016		508,260	155,699
Total for Assistance Listing Number 12.351				508,260	155,699
Safe treatment for TBI-induced neurodegeneration and cognitive decline	12.420	HT94252410177		209,188	35,092
A prospective study of serum levels of polyunsaturated fatty acids and effects on multiple sclerosis disease activity	12.420	W81XWH1910155		2,683	-
An Injectable Synthetic Agent to Stop Internal Bleeding	12.420	W81XWH2210113		16,811	-
Biomarkers of sleep loss	12.420	HT94252310447		573,558	-
Data-Driven Biomarker-informed Decision Analytics in Melanoma: Improving efficacy and reducing toxicity	12.420	HT94252410458		94,948	-
Defining Novel Cellular Circuitry and Communication in Fibrous Dysplasia	12.420	HT94252310349		500,745	-
Elucidating the biological mechanisms underlying the association between Epstein-Barr virus and multiple sclerosis	12.420	HT94252310871		149,977	34,989
Genes, environment, and Prodromal features of Parkinson disease	12.420	W81XWH-20-1-0303		190,729	1,259
Genomically-informed Morphological Stromal Signatures to Predict Lethal Prostate Cancer	12.420	HT94252510386		91,035	-
GUT SYMBIONT LIPID A FAMILY: STRUCTURES AND IMMUNOMODULATION IN IBD	12.420	HT94252310226		1,237,409	303,214
Improving the durability of immunological memory during anti-PD-1 immunotherapy	12.420	W81XWH-22-1-1046		299,870	-
Inflammatory and Immune Mechanisms Relating PTSD and Depression to Ovarian Cancer Risk.	12.420	W81XWH2110326		101,829	25,587
Novel brain shuttle-mediated anti-TDP-43 therapeutics for amyotrophic lateral sclerosis	12.420	HT94252410286		639,383	-
Optimizing Individualized Colorectal Cancer Treatment and Prognostic Prediction via Causal Machine Learning	12.420	HT94252310523		268,102	87,239
Pancreatic Cancer Risk Predicted from Electronic Health Records in US Veterans using Artificial Intelligence	12.420	HT94252310463		410,017	-
Personalized computational modeling to support effective use of back support exosuits to prevent back injuries	12.420	W81XWH2010609		147,011	-
Piezo1-mediated mechanotransduction as key regulator of bone health in adult mice.	12.420	W81XWH2110449		381,280	70,292
Regulation of steroid hormone signaling and lipid metabolism by the TSC complex	12.420	HT94252510215		30,573	-
Revealing and Targeting Lipidomic Vulnerabilities to Treat Metastatic Melanoma	12.420	HT94252310765		457,981	-
Targeted therapeutic opportunities for ovarian clear cell, small cell, and endometrioid carcinomas	12.420	HT94252310263		350,703	-
Total for Assistance Listing Number 12.420				6,153,832	557,672
Control of Many-Body States Using Strong Coherent Light-Matter Coupling in Terahertz Cavities	12.431	W911NF2110184		64,321	-
Emergent Order and Quantum Information Flow in Non-equilibrium Systems	12.431	W911NF2410079		388,135	-
Entangled Neutral Atoms for Logical Quantum Teleportation (ENAQT)	12.431	W911NF2320219		3,275,914	1,426,861
ii.3.AMP: Hybrid quantum-classical algorithm for analyzing many-body systems: from NMR inference to validating	12.431	W911NF2010163		197,735	-
Multi-Functional devices in precisely engineered van der Waals homojunctions	12.431	W911NF2120147		1,203,268	658,396
Next Generation NV Center Based Quantum Sensing	12.431	W911NF-22-1-0248		593,833	-
Programming multistable origami and kirigami structures via topological design	12.431	W911NF2210219		1,132,277	372,396
Quantum ENZ Materials for Midwave IR Single-Photon Detection (QEMISD)	12.431	W911NF2420195		939,262	264,046
Quantum Optimization with Programmable Simulators based on Atom Arrays	12.431	W911NF2010021		1,182,977	441,038
Quon Pictorial Language, Analysis, Quantum Information	12.431	W911NF1910302		(17,069)	-
Toward Mathematical Intelligence and Certifiable Automated Reasoning: Theoretical Understanding and Experimental	12.431	W911NF2010082		763,214	298,345
Understanding and Engineering Transient Mechanical Responses in Nanoparticle-Reinforced Heterogenous	12.431	W911NF2120146		1,028,099	915,868
Widely-tunable, compact sub-millimeter source operating at room-temperature from 100 GHz to 1 THz	12.431	W911NF1920168		468,555	-
Total for Assistance Listing Number 12.431				11,220,521	4,376,950
Analyzing multi-layer networks via graphex models	12.800	FA9550-23-1-0429		39,896	-
Cascaded Mode Converter Integrated Optics	12.800	FA9550-23-1-0699		260,001	-
Cellular foundations of memory	12.800	FA9550-22-1-0345		321,936	-
Correlated Topological States in Moiré Superlattices of Intrinsic Magnetic Topological Insulator	12.800	FA9550-23-1-0040		258,262	-
DIAL Accelerators for Deep Neural Networks: Distributed and networked, In-embedded-hardware, Adversarial	12.800	FA8750-22-1-0500		321,348	-
DURIP: Equipment for Probing Ultracold Reaction Intermediates	12.800	FA9550-23-1-0122		(2,202)	-
DURIP: Research Infrastructure for Novel Electron Qubits	12.800	FA9550-23-1-0526		528,858	-
Fundamental Physics and Applications of Atomic Cooperative Arrays in Bio-inspired Geometries	12.800	FA9550-24-1-0311		128,637	-
High Temperature Superconductor Twistronics	12.800	FA9550-25-1-0019		285,986	-
Interacting and Entangling Polar Molecules with Single-Site Control in 1D and 2D Arrays	12.800	FA9550-23-1-0538		483,224	-
Laser Cooling and Trapping of Asymmetric Top Molecules for Quantum Science	12.800	FA9550-22-1-0288		195,011	-
Laser Cooling of Polyatomic Molecules	12.800	FA9550-21-1-0136		(327)	-
Network Architectures for Combating Noise and Malicious Activity	12.800	FA9550-22-1-0223		191,101	-
Network Sparsification	12.800	FA9550-25-1-0112		17,468	-

Harvard University
Schedule of Expenditures of Federal Awards
Year Ended June 30, 2025

Federal Grantor/Pass-through Grantor/Program or Cluster Title	Assistance Listing Number	Award Number	Pass-through Entity Identification Number	Federal Expenditures	Passed to Sub-Recipients
New Approaches to Quantum Control with Individual Molecule Sensitivity	12.800	FA9550-20-1-0323		2,053,376	1,724,593
Optical singularity engineering for precision sensing	12.800	FA9550-22-1-0243		151,538	-
Optically-controlled, genetically-targeted chemical assembly of electrically functional materials for neuromodulation	12.800	FA9550-22-1-0228		119,637	-
Quantum Information Science with Ultracold Laser-cooled Molecules	12.800	FA9550-24-1-0060		1,499,242	-
Quantum sensing for entangled millimeter-wave photons	12.800	FA2386-24-1-4073		140,024	-
Resilient Network Architectures for Multiagent Coordination with Malicious Activity	12.800	FA9550-25-1-0140		13,292	-
The Neural Architecture of Reinforcement Learning in Partially Observable Environments	12.800	FA9550-20-1-0413		69,784	-
The Production and Study of Antiprotons and Antihydrogen	12.800	FA9550-10-1-0107-DOD35CAP		(3,637)	-
The Production and Study of Antiprotons and Cold Antihydrogen	12.800	FA9550-15-1-0275		(3,017)	-
Towards a New Quantum Platform Based on Ultracold Molecules	12.800	FA2386-24-1-4070		6,155	-
Tunneling Phenomena in Interface Superconductors	12.800	FA9550-21-1-0429		1,625,196	940,876
Waveguide-coupled Interlayer Exciton Condensation LED in 2D Heterostructures for Quantum Optics	12.800	FA2386-21-1-4086		29,415	-
Total for Assistance Listing Number 12.800				8,730,204	2,665,469
Analog Quantum Machine Learning on Programmable Quantum Simulators	12.910	HR0011-23-3-0023		36,374	-
Hardware-Efficient Quantum Simulation of Strongly Correlated Molecules and Materials with Rydberg atom arrays	12.910	HR0011-23-3-0030		62,745	-
Identifying pathogenic bacteria by phenotyping	12.910	W911NF-19-2-0018		1,919	-
Lectin-targeted macrophage-activating antimicrobial therapeutics	12.910	N660012424020		3,420,169	-
Metabolic Modulator Anesthetics	12.910	W911NF2420112		3,229,808	470,504
Miniaturized Universal Platform for Preservation of Environmental Test Samples – MUPPETS	12.910	HR001124-2-0367		4,081,669	864,430
MIRA: Modeling with an Intelligent Reasoning Assistant	12.910	HR00112220036		1,362,314	1,283,136
Molecular Control and Prevention of Genome Editing	12.910	N66001-17-2-4056		(16,718)	-
STOP PAIN: Safe Therapeutic Options for Pain and Inflammation	12.910	HR0011-19-2-0022		1,784,076	950,000
Time-Tolerant Biostasis Therapeutics	12.910	W911NF1920027		(11,620)	(11,620)
Characterizing and Mitigating Adversarial Impacts on Multiagent Reinforcement Learning	12.910	D24AP00319-01		199,478	-
Integrated programmable femtosecond pulse synthesizer	12.910	D23AP00251-01		216,249	-
Total for Assistance Listing Number 12.910				14,366,463	3,556,450
Ionic Liquids for RBC loading	12.RD	HR0011-25-9-0170		66,098	-
Artificial Intelligence/ Machine Learning (AI/ML) Design PTSD Objective Indicators	12.RD	W81XWH22C0128		379,957	379,957
Bionic Leaf for FAARM	12.RD	HR0011-24-3-0375		133,057	-
General and Flag Officer Homeland Security Executive Seminar	12.RD	W912SV20D0001		572,271	-
Preparation of Topological Quantum States by Measurement and Feedforward for Computation and Error Correction	12.RD	HR0011-24-9-0361		341,212	224,999
Unleashing the Potential of Bioconversion: AI-Optimized Bioreactor and Bioprocess Designs	12.RD	HR0011-25-3-0095		169,772	-
Total for Assistance Listing Number 12.RD				1,662,367	604,956
Total for Department of Defense Research and Development (R&D)				53,919,421	13,276,624
Department of Education					
Fulbright-Hays Doctoral Dissertation Research Abroad	84.022A	P022A240022		119,479	-
Total for Assistance Listing Number 84.022A				119,479	-
Core Academic Language Skills Instrument: Refining the assessment to measure and monitor English Learners' progress	84.305	R305A190034 - 22		123,490	71,081
Total for Assistance Listing Number 84.305				123,490	71,081
Developing and Testing Training Modes for Improving Teachers' Race-Related Competencies to Promote Student	84.305A	R305A200278 - 23		243,251	2,532
Total for Assistance Listing Number 84.305A				243,251	2,532
National Center on Rural Education Research Networks	84.305C	R305C190004 - 24		1,144,379	105,748
Total for Assistance Listing Number 84.305C				1,144,379	105,748
Practical tools for large-scale evaluation of text data in randomized trials in education	84.305D	R305D220032 - 24		178,353	92,397
Total for Assistance Listing Number 84.305D				178,353	92,397
COVID-19: Leveraging Technology and Engaging Students: Evaluating Covid-19 Recovery Efforts in the Los Angeles	84.305X	R305X220018 - 24		477,915	-
Leveraging Technology and Engaging Students: Evaluating Covid-19 Recovery Efforts in the Los Angeles Community	84.305X	R305X220018 - 24		544,184	526,934
Total for Assistance Listing Number 84.305X				1,022,099	526,934
Development of a Narrative Language and Reading Comprehension Program for Emergent Bilinguals with or At Risk	84.324A	R324A240204		223,690	99,440
Total for Assistance Listing Number 84.324A				223,690	99,440
Partnering in Education Research (PIER) An Interdisciplinary Pre-doctoral Training Program	84.350B	R305B200012		787,286	-
Total for Assistance Listing Number 84.350B				787,286	-
Scaling a National Model of Reading Engagement (MORE) to Improve First to Fourth-Grade Students' Reading	84.411B	S411B230043		1,849,864	-
Total for Assistance Listing Number 84.411B				1,849,864	-
Kernels of Practice for Social Emotional Learning in Afterschool Settings	84.411C	S411C220046		966,097	-

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Total for Assistance Listing Number 84.411C				966,097	-
Total for Department of Education Research and Development (R&D)				6,657,988	898,132
Department of Energy					
An Ultracold Playground for Controlled Atom-Molecule Chemistry	81.049	DE-SC0024087		295,895	-
ANALYSES OF CUMULUS MIXING USING ASR AIRCRAFT OBSERVATIONS AND LES SIMULATIONS	81.049	DE-SC0022887		177,186	-
Converting Metal–Organic Liquids into Microporous Glasses via Non-Equilibrium Syntheses	81.049	DE-SC0021145		122,005	-
Cross-scale methane dynamics at terrestrial-aquatic interfaces in temperate forests	81.049	DE-SC0024092		189,374	96,448
Data Structure Alchemy	81.049	DE-SC0020200		61,642	-
Discovering Dark Matter Clumps and Primordial Particles with Galaxies	81.049	DE-SC0020223		(5,712)	-
Emergent Quasiparticles in Graphene Heterostructure	81.049	DE-SC0012260		350,074	-
Epitaxial Stabilization of Novel Superconductors for Energy Generation, Storage and Distribution	81.049	DE-SC0021925		163,383	-
Machine learning for accelerated understanding of dynamic catalysis	81.049	DE-SC0022199		362,123	157,765
Microbial Ecology, Proteogenomics and Computational Optima	81.049	DE-FG02-02ER63445		2,319,355	-
Mixed-Metal Oxide Energy Conversion Catalysts for Integration with Photoabsorbers	81.049	DE-SC0017619		201,369	-
Opto-chemo-mechanical energy transduction in biomimetic ensembles of reconfigurable microparticles of liquid crystal	81.049	DE-SC0005247		532,973	176,569
Particle Physics and Cosmology Research	81.049	DE-SC0007881		1,010,014	-
Programmable quantum simulators for lattice gauge theories and gauge-gravity correspondence	81.049	DE-SC0021013		131,510	-
Quantum acoustics unravels the Planckian metals	81.049	DE-SC0025489		65,224	-
Quantum Field Theory and Theoretical Particle Physics	81.049	DE-SC0013607		169,000	-
Quantum Simulation of Correlated Quantum Matter	81.049	DE-SC0019030		32,006	-
The Universe as a Lab for Dark Matter Physics	81.049	DE-SC0025671		53,946	-
Theoretical Research in High Energy Physics	81.049	DE-SC0007870		514,703	-
Ultrafast control of spin fluctuations in light-driven quantum materials	81.049	DE-SC0022883		462,633	-
Understanding Flow Cell Porous Electrodes as Active Materials for Electrochemical Transformations	81.049	DE-SC0020170		670,982	100,722
Total for Assistance Listing Number 81.049				7,879,685	531,504
From Z to Planets: Phase IV	81.112	DE-NA0004084		185,212	14,122
Metallic Hydrogen: Reflectance, Metastability, and Superconductivity	81.112	DE-NA0004087		178,182	-
Total for Assistance Listing Number 81.112				363,394	14,122
Developing advanced NMR techniques to predict and monitor CO2 storage and mineralization for enhanced mining	81.135	DE-AR0001705		642,129	-
GaN NMR Spectrometer Integrated Circuits Towards Broadly Distributed On-line Monitoring and Management	81.135	DE-AR0001063		906,132	-
Total for Assistance Listing Number 81.135				1,548,261	-
Flow Battery Chemistry and Engineering	81.RD	2674196		40,943	-
IC Postdoctoral Fellowship (A. Young): Practical quantum advantage in simulations of the Fermi-Hubbard model	81.RD			(2,001)	-
Improving Practicality of Solid-State Quantum Sensors via Enhanced Readout and Quantum Optimal Contr	81.RD	STEM-WD-00851		9,661	-
Lessons from the Russian Takeover and Occupation of Zaporizhzhia Nuclear Power Plant: The Human Dimension	81.RD	2667525		112,629	-
WBS 3.5 Trigger Processor Maintenance and Operation	81.RD	412331		208,983	-
Total for Assistance Listing Number 81.RD				370,215	-
Total for Department of Energy Research and Development (R&D)				10,161,555	545,626
Department of Housing & Urban Development					
Estimating Coverage and Impacts of the HUD Multifamily Service Coordination Program	14.506	RP-24-MA-002		23,831	-
Total for Assistance Listing Number 14.506				23,831	-
Enhancing equity in smoke-free housing: Evidence-based strategies to support implementation in Permanent Supportive	14.906	MAHHU0069-22		242,387	-
Targeted Interventions to Reduce Environmental Exposures	14.906	MAHHU0068-21		287,723	21,324
Total for Assistance Listing Number 14.906				530,110	21,324
Total for Department of Housing & Urban Development Research and Development (R&D)				553,941	21,324
Department of Justice					
Augmenting, Analyzing, and Archiving Criminal Trajectories in Four Birth Cohorts from the Project on Human Develop	16.560	2020-JX-FX-0002		156,167	13,775
Evaluability Assessment and Development of Psychological and Behavioral Health Approaches to Prevent Terrorism	16.560	15PNJ-21-GG-02727-DOMR		108,489	-
The Final Stage Reentry Project: An RCT of Expungement and Its Effect on Recidivism, Housing, and Employment	16.560	2019-RY-BX-0001		48,850	-
Total for Assistance Listing Number 16.560				313,506	13,775
Total for Department of Justice Research and Development (R&D)				313,506	13,775
Department of the Interior					
3D geometry, segmentation, and slip on the Newport-Inglewood fault, Los Angeles, California, and its implications	15.807	G24AP00310-00		56,978	-
Making Steps Towards Digitizing Develocorder-Type Analog Seismograms	15.807	G24AP00461-01		23,750	-
Total for Assistance Listing Number 15.807				80,728	-

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Total for Department of the Interior Research and Development (R&D)				80,728	-
Department of Transportation					
Intergovernmental Personnel Act (IPA)	20.RD	693JK424P600056		98,701	-
Total for Assistance Listing Number 20.RD				98,701	-
Total for Department of Transportation Research and Development (R&D)				98,701	-
Department of Veterans Affairs					
Assessing Quality of VA and Community Cancer Care in the MISSION Era	64.RD	36C24E23C0010		186,886	-
MAVERIC Project	64.RD	36C24E24D0023		934,269	25,061
Sources of Particulate Matter Exposure and Pulmonary Health Exposure Assessment for CSP 595: Pulmonary Health	64.RD	36C241230010		101,749	-
Total for Assistance Listing Number 64.RD				1,222,904	25,061
Total for Department of Veterans Affairs Research and Development (R&D)				1,222,904	25,061
DHHS					
Postdoctoral Training in General, Pediatric and Public Health Dentistry and Dental Hygiene	93.059	4 D88HP37552-05-04		489,470	177,761
Predocctoral Oral Health Education and Training for an Aging America	93.059	5 D85HP45705-04-00		214,744	-
Total for Assistance Listing Number 93.059				704,214	177,761
Pre-disease biomarkers of persistent organic pollutants, immune system, and amyotrophic lateral sclerosis	93.061	6R01TS000315-03-04		658,168	242,644
Serological profiling of the human virome and ALS risk in a military population	93.061	6R01TS000318-03-02		125,399	50,603
Total for Assistance Listing Number 93.061				783,567	293,247
Generating Reproducible Real-World Evidence with Multi-Source Data to Capture Unstructured Clinical Endpoints	93.103	5U01FD007929-02		1,139,416	681,301
Total for Assistance Listing Number 93.103				1,139,416	681,301
Training Grant in Maternal and Child Health	93.110	5T76MC00001-69-00		396,369	-
Training Grant in Maternal and Child Health	93.110	6T76MC00001-70-01		827	-
Total for Assistance Listing Number 93.110				397,196	-
A nationwide population-based study investigating the cardiovascular effects of exposure to particulate matter α -, β -,	93.113	5R01ES035390-02		448,729	67,225
A Randomized Controlled Trial of Home Air Purification for Eosinophilic COPD	93.113	7R01ES031252-05		90,848	-
Causal machine learning methods for studying the effects of environmental exposures on childhood cancer using natural	93.113	5K01ES032458-03		35,545	-
Characterizing the link between multiple environmental exposures and Parkinson's disease exacerbation	93.113	5R01ES034373-03		678,601	37,826
Climate factors, racial/ethnic disparities, and menstrual cycle health	93.113	5R01ES035106-03		629,186	398,146
Data science tools to identify robust exposure-phenotype associations for precision medicine	93.113	3R01ES032470-04S1		549,663	94,418
Environmental and social determinants of mammographic features	93.113	1R01ES035736-01A1		637,907	494,683
Environmental Exposures and Sleep in the Nurses' Health Study 3	93.113	5F31ES035252-02REVISED		34,358	-
Environmental Obesogens and Weight Change in the POUNDS LOST Trial	93.113	5R01ES022981-09		726,954	121,871
Estimating acute impacts of unconventional oil and gas development on cause-specific hospitalization via satellite-based	93.113	5K99ES034459-02		2,789	-
Extracellular vesicles in Environmental Epidemiology Studies of Aging	93.113	7R35ES031688-04REV		828,961	405,505
Graduate Training in Biostatistics	93.113	5T32ES007142-42		465,767	-
Harvard Chan School NIEHS Center for Environmental Health	93.113	5P30ES000002-60REVISED		1,732,317	118,918
Identifying low dose measurement error corrected effects of multiple pollutants using causal modeling	93.113	3R01ES032418-04S1		274,960	-
Immune Tolerance Dysfunction in Pregnancy due to Ambient Air Pollution Exposure	93.113	7R01ES032253-04		601,313	64,723
Investigating the Role of Apoptosis in Early Life Vulnerability to Lead-Induced Neurotoxicity	93.113	1F31ES036462-01A1		9,408	-
Maternal and Paternal Preconception Environmental Exposures and Children's Health	93.113	5R01ES027408-05REVISED		134,121	916
Metals and developmental origins of late life cognitive function	93.113	5R01ES031943-05		613,041	47,831
Multi-Pathway DNA Repair Capacity Measurements in Lung Cancer Patients and Healthy Controls	93.113	5U01ES029520-05REVISED		(8,529)	-
Nurses Health Study 3: A multiple exposure environmental epidemiology cohort of young adults	93.113	5R24ES028521-05REVISED		61,794	30,469
Paternal exposures, sperm epigenetic marks, and autism spectrum disorder in offspring	93.113	1K99ES035433-01A1		66,609	-
Per- and Polyfluoroalkyl substances mixtures and maternal cardiovascular disease risk across the reproductive life course	93.113	5R01ES031065-05		564,405	249,380
Pregnancy and postpartum as vulnerable exposure windows: phthalates and maternal cardiometabolic health	93.113	5R01ES033185-04		700,983	282,977
SCH: Synergizing Topological Deep Learning and Spatio-Temporal Causal Inference to Unpack Health Disparities	93.113	1R01ES037156-01		253,261	-
SPP1, Oxidative Stress, and Lead Toxicity	93.113	5R01ES029097-05		(23,540)	86,630
The Impact of Maternal and Paternal Preconception Perfluoroalkyl Substance (PFAS) Exposure on Reproductive	93.113	5R01ES031657-05REVISED		545,455	296,501
Training Program in Environmental Epidemiology	93.113	5T32ES007069-43		711,638	-
Total for Assistance Listing Number 93.113				11,366,544	2,798,019
Biology of cortical bone of long bones and calvarium Role of Sfrp4 in periosteal bone formation	93.121	5R01DE029615-05 REVISED		288,818	23,161
Characterizing structural variation at the amylase locus influencing oral health	93.121	1F31DE034283-01		30,570	-
Cxcl12-Hedgehog signaling in cranial bone regeneration	93.121	5R01DE025866-08		705,859	-
Engineering Skeletal Muscle With Biodegradable Hydrogels	93.121	5R01DE013349-21		(9,510)	-

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Fibrin-neutrophil interaction in periodontitis immunopathology	93.121	5R00DE030124-04		221,239	-
Harvard School of Dental Medicine Collaborative Clinical Practice-based REsearch Program for DENTal Schools	93.121	5U01DE033239-03		687,865	115,110
Roles of neutrophil-sensory neuron interactions in dental pulp inflammation and pain	93.121	5K99DE033421-02		101,363	-
Total for Assistance Listing Number 93.121				2,026,204	138,271
Health Promotion and Disease Prevention Research Centers	93.135	6U48DP006376-05-02		485,580	55,823
Massachusetts Cancer Prevention and Control Research Network	93.135	6U48DP006873-01-02		74,758	20,959
Prevention Research Center on Nutrition and Physical Activity	93.135	6U48DP006785-01-02		389,433	-
Total for Assistance Listing Number 93.135				949,771	76,782
Metals and Metal Mixtures: Cognitive Aging, Remediation and Exposure Sources (MEMCARE)	93.143	5P42ES030990-05REVISED		1,282,296	534,686
Total for Assistance Listing Number 93.143				1,282,296	534,686
Military exposures and ALS in a large veteran population	93.161	5R01TS000338-03		316,098	146,568
Total for Assistance Listing Number 93.161				316,098	146,568
Advanced tools for using ancient DNA to study biology and history	93.172	5R01HG012287-12 REVISED		853,482	379,080
Center for Genome Imaging	93.172	5RM1HG011016-04 REVISED		2,142,164	1,478,369
Center for Genomically Engineered Organs	93.172	3RM1HG008525-05S1		(105,737)	-
Coordinating Center for the Undiagnosed Disease Network Phase II	93.172	3U01HG007530-08S1 REVISED		(78,192)	-
Development and Application of Computational Methods for Single Cell DNA Sequencing Data	93.172	5R01HG012573-03		571,767	-
Expansion genomics for high-resolution single-cell and spatial epigenomics	93.172	1R01HG013679-01		170,517	42,138
Fine-mapping causal tissues at disease-associated loci to infer disease subtypes	93.172	5F32HG012889-03		59,033	-
FLYBASE: A DROSOPHILA GENOMIC AND GENETIC DATABASE	93.172	5U41HG000739-30 (REVISED)		832,697	504,126
FlyBase: A Drosophila Genomic and Genetic Database	93.172	5U24HG013300-02		2,596,194	1,205,580
Grammar-Driven Genomic Data Visualization	93.172	5R01HG011773-04		453,270	-
HMMER and Infernal: Finding distant homologs of sequences and RNA structures	93.172	5R01HG009116-08		438,343	-
Increasing Diversity of the Genomics Workforce Through Accessible Data and Visualization	93.172	1K99HG013348-01A1		84,889	-
Leveraging functional data to predict disease risk in multi-ethnic populations	93.172	2R01HG006399-10A1		520,101	395,591
Light-Seq: Spatially targeted profiling of transcriptomic states in cells and tissue	93.172	5R01HG012926-03		999,351	19,998
Mechanisms of Transcriptional Control Revealed by Nascent Transcript Sequencing	93.172	5R01HG007173-12 REVISED		433,759	-
Methods for multi-ancestry and multi-trait fine-mapping and genetic risk prediction	93.172	5F31HG013040-02		33,141	-
Modernizing the family-based association testing (FBAT) approach and its software implementation in the FBAT-program	93.172	1R56HG013314-01A1REV		236,798	94,201
Robust and scalable Bayesian analysis tools for single cell CRISPR screens with sequencing and imaging-based readouts	93.172	1F31HG013609-01 REVISED		36,656	-
Self-Evolvr: self-refreshing molecular barcodes using CRISPR-self-guided mutagenesis	93.172	1R21HG014016-01 REVISED		77,150	-
Semi-permeable capsules for high-throughput single cell multi-omics	93.172	5R21HG012771-02		34,117	-
Statistical and high-throughput models of enhancer function and evolution	93.172	5R01HG011485-04 REVISED		346,053	83,093
Structurally complex genome loci in human populations and human phenotypes	93.172	5R01HG006855-12		683,469	-
Systematic Exploration of the Human Interactome IV	93.172	5U24HG006673-13		653,304	-
The transcriptome-wide impact of biological perturbations	93.172	5F31HG013036-02 REVISED		22,834	-
Training in Bioinformatics and Integrative Genomics	93.172	5T32HG002295-22 REVISED		686,936	-
Total for Assistance Listing Number 93.172				12,782,096	4,202,176
Assessing Longitudinal Changes In Peripheral Versus Central Processing of Newly Implanted Cochlear Implant Recipients	93.173	1F31DC022146-01A1 REVISED		11,727	-
Cellular and functional heterogeneity of interhemispheric connections in the anterior olfactory nucleus	93.173	1F31DC022138-01A1 REVISED		5,582	-
Development of Specializations Required for Temporal Coding in Octopus Cells	93.173	5F32DC020070-03 REVISED		13,645	-
Effects of the TECTB-C225Y Variant in the Inner Ear	93.173	1F31DC021855-01A1		25,351	-
Elucidating the structural determinants of odor specificity in insect olfactory receptors	93.173	5R00DC019401-05		218,981	-
Emergence of valence coding in the ventral striatum	93.173	5R01DC017311-05		(3,344)	-
Genetic Dissection of Auditory Circuit Assembly	93.173	5R01DC009223-15 REVISED		746,130	-
Human otopathology without invading the cochlea imaged using optical coherence tomography and verified with novel	93.173	1F31DC022795-01A1 REVISED		4,704	-
Investigating cortex-brainstem interactions in conditioned taste aversion	93.173	5F31DC020631-02 REVISED		6,786	-
Leveraging human intracranial recordings to quantitatively characterize basal ganglia output during speech	93.173	5F31DC022153-02		43,203	-
Measuring and Modeling the Effects of Reticular Lamina Flexibility on Outer Hair Cell Bundle Phase and Cochlear	93.173	5F31DC021079-02 REVISED		23,132	-
Mechanisms of experience-dependent odor categorization in the olfactory cortex	93.173	1F31DC022470-01		27,033	-
Molecular Mechanisms of Auditory Transduction	93.173	5R01DC000304-37 REVISED		626,216	171,188
Neuron-Glia Interactions in the Cochlea	93.173	5R01DC020182-04		455,109	-
Neuronal control of cochlear stress responses	93.173	5R01DC021692-02 REVISED		622,426	82,231
Novel inner ear organoid models for studying hair cells in normal development and in the deaf-blindness disease Usher	93.173	1F31DC022152-01 REVISED		27,603	-
Sniff-controlling Circuitry in the Parabrachial Nucleus	93.173	5F31DC022154-02		32,407	-

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Stability and flexibility of neural representations in the ventral striatum	93.173	5R01DC017311-07 REVISED		512,547	-
State-dependent modulation of olfactory behavior	93.173	1R01DC020593-01A1		486,213	-
The Role of the Motor System in Speech and Language in Autism	93.173	5F31DC020864-02 REVISED		32,317	-
Training for Speech and Hearing Sciences	93.173	5T32DC000038-34		495,609	-
Transcriptional adaptation and sensory function in the olfactory system	93.173	1R01DC021669-01A1		64,307	-
What Causes Hearing Loss: Advancing the Methods	93.173	5R01DC017717-05		450,906	132,030
Total for Assistance Listing Number 93.173				4,928,590	385,449
Telehealth Technology-Enabled Learning Program	93.211	5 U3IRH43510-04-00		426,593	-
Total for Assistance Listing Number 93.211				426,593	-
Spinal Cord Nociceptive Circuits that Deliver Outputs to the Brain to Initiate Pain	93.213	5R01AT011447-03		883,265	500,487
Total for Assistance Listing Number 93.213				883,265	500,487
Health Policy Training Grant	93.225	5T32HS000055-31		421,889	-
Total for Assistance Listing Number 93.225				421,889	-
Comparing Targeted and Non-Targeted Approaches to Improving the Value of Cancer Care Services	93.226	5R01HS026498-04		(13,250)	-
Deriving an Evidence Base for Emergency Management in U.S. Hospitals: Toward Resilience in the Midst of COVID-19	93.226	5R01HS028240-02REVISED		25,755	-
Engineering highly reliable learning lab	93.226	5P30HS024453-04		(3,391)	-
Evaluations of Increasing State Investments in Primary Care: Effects on Health Care Spending, Utilization, and Quality	93.226	5R01HS029497-02		309,631	-
Examining payment and delivery model impacts on health equity using novel quasi-experimental causal inference	93.226	5R01HS028985-03 REVISED		483,298	70,835
Prescribing of opioids at hospital discharge and associated adverse patient outcomes	93.226	5R01HS026753-05 REVISED		269,027	16,455
R18 Closed Loop Diagnostics : AHRQ R18 Patient Safety Learning Laboratories	93.226	5R18HS027282-04		96,073	50,435
Risk Aversion, Fear of Malpractice, and Medical Decision Making in the Emergency Department	93.226	5R01HS026730-04		(168,086)	18,152
Scalable Digital Communication Intervention to Support Older Adults and Care-partners Transitioning Home After Major	93.226	5R01HS029454-02		327,447	-
The Impact of Federal COVID-19 Provider Relief Funds on Patients, Hospitals, and Disparities	93.226	1R36HS029440-01 REVISED		1,810	-
Understanding the effect of increases in the minimum wage on access to health care and health	93.226	5F32HS029259-02		14,549	-
Total for Assistance Listing Number 93.226				1,342,863	155,877
Regulation of arousability by signaling from the gut	93.233	1R01HL176991-01		167,460	-
Understanding the effects of sleep deprivation on the gut's cellular homeostatic process	93.233	5F32HL168844-03		67,751	-
Using a novel model system to explore the causes and consequences of altered sleep need during pregnancy	93.233	1F31HL170921-01A1		20,147	-
Total for Assistance Listing Number 93.233				255,358	-
2/4 Powering Genetic Discovery for Severe Mental Illness in Latin American and African Ancestries	93.242	5U01MH125045-05		451,457	-
A novel output pathway from the cerebellum for regulation of diverse non-motor behaviors	93.242	5R01MH122570-05 REVISED		120,499	-
A Tool for Synapse-level Circuit Analysis of Human Cerebral Cortex Specimens.	93.242	5UG3MH123386-03 REVISED		64,533	64,673
An intersectional approach to transgender and/or nonbinary college student mental health: The role of gender identity,	93.242	5R36MH135609-02		19,748	-
Basal ganglia circuit mechanisms for threat coping	93.242	5R01MH133950-03		667,090	-
Biochemical and Biophysical Tuning of Presynaptic Function by the Clock Protein BMAL1	93.242	5F30MH132277-03		32,137	-
Biological/behavioral rhythms and suicidal behavior: A real-time monitoring study	93.242	5K23MH120439-04		48,204	4,147
Capturing the Structure and Dynamics of Suicidal Thinking	93.242	5F31MH130055-02 REVISED		3,065	-
Characterizing pubertal and age mechanisms of neurodevelopment and association with rising internalizing symptoms	93.242	3R01MH129493-04S1 REVISED		989,150	448,470
Clinician-Consumer Collaboration in Transdiagnostic, Modular Youth Psychotherapy	93.242	5F31MH127862-03		2,262	-
Comprehensive and multi-resolution mapping of cell morphology and wiring through X-ray holographic	93.242	1RF1MH128949-01 REVISED		540,330	-
Comprehensive single-cell atlas of the developing mouse brain	93.242	5U01MH130962-03 REVISED		7,587,356	5,944,785
Cortical interneuron subtypes adapt to signals from local pyramidal cells	93.242	5F32MH125464-03		5,913	-
Death of a loved one: Prevalence, risk, and protective factors for prolonged grief disorder	93.242	5R01MH137201-02		589,213	355,051
Developmental origins of mental illness: evolution and reversibility	93.242	5P50MH094271-10 (REVISED)		(1,662)	-
Digital Implementation Support to Achieve Uptake and Integration of Task-Shared Care for Schizophrenia in Primary Care	93.242	5R01MH133230-02		447,852	65,626
Dissecting Mechanisms of Striatal Acetylcholine Transmission in the Vertebrate Brain	93.242	5F32MH131232-03		65,712	-
Dissecting the assembly of neurotransmitter release sites	93.242	5R01MH113349-08		603,729	-
Distributed Neural Activity Patterns Underlying Practice-Based Learning	93.242	3K99MH127471-02S1		50,582	-
Early life stress and differential effects on the molecular maturation of specific subtypes of brain serotonin neurons	93.242	1R21MH134020-01		232,791	-
Efficacy of a differentiated care intervention for adolescents transitioning to adult HIV care in Peru	93.242	3R01MH131414-03S1		756,030	418,589
Enhancing Clinical Decision-Making in Modular Youth Psychotherapy	93.242	5F31MH134555-02		30,769	-
ESSENCE (Enabling translation of Science to Service to ENhance Depression CaRE)	93.242	3U19MH113211-05S1		(6,027)	(15,445)
Ethical and Policy Aspects of Cortical Visual Prosthetics Research: An Empirical Neuroethics Study	93.242	5F32MH127776-04 REVISED		13,788	-
Event-related Neuroimaging of Human Memory Formation	93.242	5R01MH060941-23		382,863	-
Functional and molecular organization of lateral septum in threat processing	93.242	1R36MH136796-01 REVISED		40,184	-

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Functional and population genetic architectures of complex disease	93.242	5R01MH101244-13		884,871	88,227
Genomic mechanisms of firing rate homeostasis	93.242	5R01MH116223-05 REVISED		(817)	-
Gut Microbiome Contributions to Human Episodic Memory and the Role of Early Life Stress	93.242	1R21MH134157-01		216,424	-
Health Policy Training Program: Promoting Outcomes, Quality, Equity and Diffusion of Advances	93.242	2T32MH019733-29A1		193,315	-
High throughput assaying of circuit activity and connectivity in brain organoids	93.242	1RF1MH123977-01 (REVISED)		130,791	98,684
Identifying transcriptomic axes governing neural dynamics, behavior, and states	93.242	1K99MH138830-01		51,490	-
Implementing Evidence-Based Treatment for Common Mental Disorders in HIV Clinics in Ukraine	93.242	5K23MH133520-02		181,027	40,740
Improving Outcomes in Depression in Primary Care in a Low Resource Setting	93.242	5R01MH121632-03		1,249,343	659,917
Integrating common and rare genetic variation in autism spectrum disorder	93.242	5F30MH129009-03 REVISED		1,886	-
Intensive longitudinal study of suicidal behaviors and related health outcomes	93.242	5U01MH116928-04 (REVISED)		13,558	10,283
Interoception as a Novel Risk Factor for Suicidal Thoughts and Behaviors	93.242	5F31MH132231-02		30,162	-
Investigating the impact of chronic stress on distinct axes of dopamine signaling	93.242	5F30MH132298-02		32,137	-
Leveraging EHR data to evaluate key treatment decisions to prevent suiciderelated behaviors	93.242	5R01MH121478-04 REVISED		135,891	22,419
Maternal hair cortisol concentrations, prenatal psychopathology and offspring behavioral phenotypes	93.242	5R21MH128985-02		36,774	34,407
Mental Health Care for Disadvantaged Populations: The Role of the Provider Landscape	93.242	5R01MH135884-02		463,609	183,424
Modeling ASD-linked genetic mutations in 3D human brain organoids	93.242	2R01MH12940-06A1 REVISED		705,860	950
Neurodevelopment in HEU Children Exposed In Utero To Dolutegravir Or Efavirenz	93.242	5R01MH121191-05		278,939	404,572
Neurodevelopmental Mechanisms Underlying Stress Vulnerability during Adolescence	93.242	3R37MH119194-05S1 REVISED		1,983,029	-
New Methodologies for Connectomics	93.242	5K99MH128891-02		(18)	-
Pathogenic mechanisms in post-bereavement psychopathology: Contributions of gene-environment interplay, Ph.D. Training in Neuroscience	93.242	5K23MH117278-05		34,941	-
Platform technologies for scalable highly multiplexed proteomic phenotyping of the brain	93.242	2T32MH020017-26A1 REVISED		592,381	-
Platform to accurately recapitulate and perturb cortical development and morphogenesis in vitro	93.242	1RF1MH128861-01 REVISED		325,472	275,529
Post Traumatic Stress Disorder and Accelerated Aging in Women	93.242	1R01MH136014-01A1		349,230	-
Post-trial Access, Clinical Care, Psychosocial Support, and Scientific Progress in Experimental Deep Brain Stimulation	93.242	5R01MH101269-08REVISED		77,530	77,530
Precision Mapping the Human Cerebellum for Neuromodulation and Understanding of Brain Disorders	93.242	5R01MH133657-02 REVISED		88,432	822
Pregnancy influences maternal immune cell function and fetal brain development	93.242	5R01MH124004-03		(6,351)	-
Resting-state functional connectivity mapping using Magnetic Particle Imaging (MPI)	93.242	5R01MH119459-05		14,320	-
Robust Learning Approaches for Assessing Effects and Effect Heterogeneity of Real World Antipsychotic Treatment	93.242	5F30MH129062-03		50,858	-
Scalable electron tomography for connectomics	93.242	5R01MH130213-03		799,696	399,860
Spatial genomics and cell atlas of the human brain	93.242	1RF1MH129261-01 REVISED		1,194,558	600,075
State-dependent and branch-specific neurotransmitter usage in a serotonergic/glutamatergic neural circuit regulating	93.242	5R01MH134800-02		466,346	-
Testing FIRST in Youth Outpatient Psychotherapy	93.242	5R21MH127341-02		(12,650)	-
The Impacts of County-Level COVID- 19 -Related Public Health and Social Policies on Racial/Ethnic and Socioeconomic	93.242	5R01MH124965-05		897,705	217,575
The molecular and cellular basis of cortical interneuron divergence	93.242	5JUMH129968-04		602,219	158,648
The molecular roles of RFX3 in neurodevelopment and Autism Spectrum disorder	93.242	5R37MH071679-20		683,358	-
The Optics of Health: Race Skin Tone Minority Health and Health Disparities in the U.S.	93.242	5F30MH128995-02		4,524	-
Thermal-plex: fluidic-free, rapid sequential multiplexed imaging of RNA and protein in brain tissues	93.242	1DP2MH132941-01 REVISED		691,999	57,154
Training Program in Comparative Effectiveness Research for Suicide Prevention	93.242	1RF1MH132599-01		1,177,079	-
Training Program in Psychiatric Genetics and Translational Research	93.242	5T32MH125815-03		281,910	-
Uncovering the genomic and transcriptomic variation due to mobile elements in the population and in neurological	93.242	5T32MH017119-38		388,701	-
Understanding glial fate restriction in humans	93.242	5F31MH136735-02		39,134	-
Use of Telemedicine in the Treatment of Mental Illness	93.242	5R01MH134993-02		508,006	-
Violence Exposure and Perpetration in Black and Minoritized Youth	93.242	5R01MH112829-08		786,473	262,659
Total for Assistance Listing Number 93.242				30,495,363	10,879,371
Loewenthal GACA	93.250	5 K01HP49053-03-00		65,819	65,819
Total for Assistance Listing Number 93.250				65,819	65,819
COVID-19: The Harvard TH Chan School of Public Health Center for Work, Health and Wellbeing	93.262	5U19OH008861-18-00		1,137,613	452,337
Harvard TH Chan Education and Research Center for Occupational Safety and Health	93.262	2T42OH008416-19-00		1,448,579	16,092
WTC-Work Study: World Trade Center Non-Traditional Responders' Employment and Mental Health	93.262	5R21OH012626-02-00		194,005	16,007
Total for Assistance Listing Number 93.262				2,780,197	484,436
Alcohol and Breast Cancer: Genetic Interactions and Effects on Aromatase Inhibitor Therapy	93.273	1K01AA027831-01		149,817	20,484
Medications for Alcohol Use Disorder: Unfilled Prescriptions and Treatment Trajectories	93.273	5R01AA029267-04 REVISED		354,417	185,993
Telehealth in the Treatment of Alcohol Use Disorders: Impact on Access, Disparities, and Quality of Care	93.273	5R01AA030539-02		757,234	326,190
Total for Assistance Listing Number 93.273				1,261,468	532,667

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Characterizing dopaminergic systems changing exploratory behavior in hungry animals	93.279	5F30DA061675-02		37,407	-
Control of drug-reward behavior and relapse vulnerability via a specialized serotonergic-septohippocampal circuit	93.279	1R21DA060373-01		184,794	-
Dissecting the algorithmic and neural circuit basis of dopamine-driven learning in the striatum	93.279	1K99DA060290-01		107,361	-
Dissecting the neural circuit mechanisms that generate dopamine neuron activity	93.279	1R01DA059751-01		660,264	-
Mechanisms for somatodendritic dopamine release in the midbrain	93.279	5R01DA056109-03 REVISED		502,710	196,149
Neural Network Models Constrained by Multiscale Data to Infer Minimal Functional Motifs in the Brain	93.279	9RF1DA056403-02		463,747	-
Precision pharmacology of the opioids	93.279	5DP1DA046586-05		80,271	-
Quantifying organism-environment interactions in a new model system for neuroscience	93.279	1R34DA061984-01		54,661	-
Roles for dopamine signaling modes in striatal circuit modulation and behavior	93.279	5R01DA058777-02 REVISED		341,857	-
Stress, Arousal and Mood: Affective Influences on Decisions under Uncertainty	93.279	5R01DA042855-05 (REVISED)		5,597	-
Telemedicine for Treatment of Opioid Use Disorder	93.279	5R01DA048533-06		439,588	136,466
The Development and Validation of an Index to Measure Vicarious Trauma Exposure Among Substance Use Providers	93.279	5R36DA055242-02REVISED		17,085	-
Tracking and regulation of nicotine dependence in the insular cortex	93.279	5F30DA057823-03 REVISED		32,507	-
Total for Assistance Listing Number 93.279				2,927,849	332,615
A portable synthetic human artificial chromosome for therapeutic development	93.286	1R21EB036741-01 REVISED		55,273	-
Development of a Gene-Transfer-Resistant and Biocontained Next-Generation Bacterial Host for Controlled Drug Delivery	93.286	5K99EB035165-02		112,126	-
Uncertainty-Informed Decision Making for Just-in-Time Adaptive Interventions (JITAs)	93.286	1K99EB037411-01		28,149	-
Total for Assistance Listing Number 93.286				195,548	-
A culturally-tailored dietary trial for cardiometabolic health in Puerto Rico	93.307	5R01MD018750-03		411,148	132,136
Advancing novel methods to measure and analyze multiple types of discrimination for population health research	93.307	5R01MD012793-05 REVISED		183,689	60,381
DNA methylation and adversity: pathways from exposures to health inequities	93.307	5R01MD014304-04REV		68,499	-
Evaluating an Intervention to Improve Medication Access and Quality of Care for Underserved Populations With Chronic	93.307	5R01MD017747-03		464,998	124,196
Field Experiment to Assess the Impact of Medicaid on Disparities in Dental Care Utilization	93.307	5R01MD017093-03		869,136	19,771
Health Reform and Oral Health Disparities: a Mixed Methods Evaluation	93.307	5R00MD012253-05 REVISED		23,565	-
Reducing oral health disparities in children using predictive analytics and mathematical modeling	93.307	5R00MD016895-04 REVISED		162,690	-
Work Requirements and Health Care Disparities in Medicaid: A Randomized Controlled Trial	93.307	5R01MD014970-05 REVISED		609,813	-
Total for Assistance Listing Number 93.307				2,793,538	336,484
4D Nucleome Network Data Coordination and Integration Center	93.310	5U01CA200059-10 REVISED		2,258,894	257,988
Capturing, quantifying, and understanding combinatorial effects in small molecule signaling	93.310	1DP2GM154152-01		480,066	-
Community Data Hub for Integrative Visualization	93.310	1U24OD038421-01		233,572	55,034
Constructing the nest - understanding the mechanisms of nidoviridae RNA genomes transcription and recombination	93.310	1DP2AI175475-01 Revised		235,283	-
Data Analysis Center for Somatic Mosaicism Across Human Tissues Network	93.310	5UM1DA058230-03		2,282,783	572,387
Data Exploration and Visualization Tools for HuBMAP and a Human Reference Atlas	93.310	3OT2OD033758-01S2		1,696,037	328,458
High-throughput single-molecule protein identification via super-resolution imaging	93.310	5DP1GM133052-05		86,518	-
Identifying Principles of Protein Mechanics by Applying Force and Observing Motion	93.310	1DP2GM141000-01		346,430	-
Interoperability and Collaboration with the Common Fund Data Ecosystem to Improve Utility of 4DN Data	93.310	OT2 OD032119-01		122,714	-
Molecular Causes of Down Syndrome Associated Congenital Heart Disease and Other Phenotypes	93.310	1R01HL151257-01 REVISED		46,884	-
Research Training on Harnessing Data Science for Global Health Priorities in Africa	93.310	5U2RTW012140-04		446,424	154,660
Subcellular RNA-Proteome Mapping in Subtype- and Circuit-specific Growth Cones: Development, Cell Biology, Disease,	93.310	5DP1NS106665-05 (REVISED)		(1,459)	-
The Harvard Dataverse repository: A generalist repository integrated with a Data Commons	93.310	3OT2DB000004-01S4		779,467	229,941
The Molecular Basis of Caste Development and Evolution in Ants	93.310	5DP5OD029792-05		303,886	-
Toward mechanistic cognitive neuroscience: cell types, connectivity, and patterned perturbations	93.310	5DP1MH125776-05		905,267	-
Uncovering molecular effectors of mammalian aging	93.310	5DP1AG063419-05 REVISED		398,806	-
Understanding data-driven models for neural dynamics	93.310	1DP5OD037354-01		225,784	-
Visualizing mechanisms at the intersection of chromatin, transcription, and epigenetics	93.310	1DP2ES036404-01		482,364	-
Total for Assistance Listing Number 93.310				11,329,720	1,598,468
HHS Region 1 Center for Public Health Preparedness and Response	93.316	6NH78TU000001-01-01		286,321	-
Total for Assistance Listing Number 93.316				286,321	-
CTSA K12 Program at Harvard Medical School	93.350	5K12TR004381-02		1,544,875	1,381,445
Harvard Clinical and Translational Science Center	93.350	3UM1TR004408-02S1		10,667,229	4,524,861
SMART IRB Governance, Administration, and Operations Support	93.350	75N95023C00008		1,960,135	766,900
Total for Assistance Listing Number 93.350				14,172,239	6,673,206
Drosophila models of human mitochondrial diseases	93.351	5R24OD035556-02		777,789	183,379
Light Sheet Microscope for Multi-View Imaging of Living and Optically Cleared Samples	93.351	1S10OD036362-01		646,617	-
Resources for functional studies in Drosophila	93.351	5R24OD031952-04		1,038,496	15,805

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TRIP resources for modeling human disease	93.351	5R24OD030002-04		169,786	-
Using CRISPR technology to study the function of paralogous genes	93.351	5R24OD026435-04 REVISED		3,061	-
XenCAT: Xenopus Single Cell Atlas	93.351	5R24OD031956-03		801,932	33,777
Total for Assistance Listing Number 93.351				3,437,681	232,961
Biomaterials to Create T Cell Immunity	93.353	1U54CA244726-01 REVISED		1,130,970	821,837
Integrative Visualization of Spatiotemporal Tumor Atlases	93.353	1R33CA263666-01 REVISED		838,637	-
The Implementation Science Center for Cancer Control Equity	93.353	5P50CA244433-04 REVISED		544,540	381,048
The pre-cancer atlases of cutaneous and hematologic origin (PATCH Center)	93.353	1U2CCA233262-01 REVISED		166,690	60,528
Total for Assistance Listing Number 93.353				2,680,837	1,263,413
Evaluating the Implementation and De-Implementation of Pandemic Era SNAP Expansion Policies on Diet and Health	93.361	1R01NR021098-01 REVISED		694,304	352,413
Total for Assistance Listing Number 93.361				694,304	352,413
CANCAN - Harvard	93.393	10T2CA278689-01 REVISED		190,393	-
CANcer Cachexia Action Network/CANCAN	93.393	30T2CA278654-01S2		216,639	-
Cancer Epidemiology Cohort in Male Health Professionals	93.393	5U01CA167552-13		1,252,694	89,191
Characterizing the effects of extracellular matrix viscoelasticity on dendritic cell activation	93.393	5K00CA253759-06		96,526	-
Comparative Modeling to Inform Cervical Cancer Control Policies	93.393	5U01CA253912-05 REVISED		1,572,527	1,051,063
Harnessing DNA methylation in peripheral blood for improved colorectal cancer prevention	93.393	1R01CA285851-01A1Rev		291,281	70,084
Illuminating the evolutionary history of colorectal cancer metastasis	93.393	5R37CA225655-08		410,330	-
Informing anti-tobacco communications with affective and decision science: Application of the Appraisal Tendency	93.393	5R01CA224545-05		446,060	25,675
Life Course Cancer Epidemiology Cohort in Women	93.393	5U01CA176726-12		1,219,569	796,824
Molecular mechanisms of pathway choice in DNA double strand break repair	93.393	5R01CA272436-04		314,396	-
Single-molecule analysis of eukaryotic transcription activation	93.393	5R01CA246500-06		399,886	191,536
Statistical Methods for Analysis of Massive Genetic and Genomic Data in Cancer Research	93.393	5R35CA197449-10		941,867	-
Statistical methods for cancer genomics and cell-free DNA analysis	93.393	5R01CA240299-05		253,515	1,804
The Boston Lung Cancer Survival Cohort	93.393	5U01CA209414-09 REVISED		1,028,604	313,011
The Gut Microbiome, Lifestyle, and Colorectal Neoplasia	93.393	5U01CA261961-03		815,328	229,893
The Impact of a Changing Health Care Delivery System on the Quality of Oncology Care	93.393	5R01CA255035-05 REVISED		735,127	161,483
The Mass Partnership for Community-Engaged Cancer Control Equity	93.393	1U19CA291431-01 REVISED		809,380	368,053
Theory and methods for mediation and interaction	93.393	5R01CA222147-05 REVISED		12,457	3,061
Understanding Integration in Oncology Care and Association with Quality and Outcomes	93.393	1P01CA281850-01A1		1,146,393	277,508
Total for Assistance Listing Number 93.393				12,152,972	3,579,186
Advancing technologies for the collection and analysis of high dimensional immunoprofiles and tumor images	93.394	5R50CA274277-03		153,471	-
Association between pre-diagnosis hepatic fat infiltration and risk of liver metastasis and mortality in a large cohort	93.394	5R01CA255184-03		517,099	366,693
Causal, Statistical and Mathematical Modeling with Serologic Data	93.394	4U01CA261277-02 REV		674,649	241,932
High dimensional digital pathology to investigate the tumor micro environment and its impact on response to therapy	93.394	5R50CA252138-05		183,826	-
Total for Assistance Listing Number 93.394				1,529,045	608,625
Coffee and metabolites modulating the gut microbiome for improved colorectal cancer survival	93.395	5R01CA263776-04		654,924	274,816
Developmental regulation of apoptosis as a modifiable driver of radiotherapy-induced neurocognitive impairment	93.395	4R37CA248565-06		416,194	-
Identifying optimal dynamic strategies for prostate cancer control	93.395	5R00CA248335-06		157,780	-
Tetraacylated lipid A enhancement of checkpoint blocking cancer immunotherapy	93.395	5R21CA287104-02 REVISED		266,401	-
Total for Assistance Listing Number 93.395				1,495,299	274,816
Cellular and molecular mechanism of Hippo signaling in suppressing liver tumor formation	93.396	5R01CA222571-05		15,647	-
Chemical Genetic Approaches to Study Chromatin Complexes	93.396	5R01CA274437-02		733,206	89,741
Colorectal carcinogenesis and Fusobacterium nucleatum: oncometabolites, and oncoimmunology	93.396	5R01CA154426-13		386,567	-
Decoding and targeting the PI3K-mTOR signaling network in cancer	93.396	5R35CA197459-09 Rev		899,144	36,004
Defining mechanisms to promote antitumor immunity by modulating one-carbon metabolism	93.396	5R01CA276866-03 REVISED		505,084	74,996
Defining the role of seed and soil in peritoneal metastasis evolution	93.396	5R01CA279054-02 REVISED		930,467	88,845
Dynamics of Notch Signaling	93.396	5R01CA272484-03		550,571	171,180
Highly multiplexed tissue imaging with high-plex in situ signal amplification	93.396	5R01CA283202-03		368,324	-
Micro-capsules for versatile multiplexed cytometry	93.396	5R33CA278392-03		417,122	144,998
Mutational signature analysis: methods and applications to the clinic	93.396	5R01CA269805-04 REVISED		382,488	-
Notch Signaling in Cancer	93.396	5R35CA220340-07		63,890	-
Prebiotic effect of eicosapentaenoic acid treatment for colorectal cancer liver metastasis	93.396	7R01CA243454-06		513,476	-
Preventing Melanoma Metastasis by Targeting Lipid Vulnerabilities in Lymph	93.396	5R01CA282202-02		356,866	-
Progenitor cell states contributing to aging and lung cancer	93.396	3U01CA267827-04S1		457,626	299,052

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Sirtuins and Cancer	93.396	5R01CA273461-04		422,699	196,463
Towards a complete characterization of the metastasis founder clones in colorectal cancer	93.396	5R01CA269281-03		651,811	40,263
Tracking the evolution of breast cancer through single cell analyses of premalignant breast tissues from women	93.396	3R35CA242428-06S1		971,905	-
Understanding the Mechanism of a Gut Microbial Genotoxin Involved in Colorectal Carcinogenesis	93.396	5R01CA208834-09		290,918	44,959
Unraveling the Complexities of Risk and Mechanism in Cancer	93.396	5R35CA220523-07		582,327	69,639
Viscoelasticity and T Cell Production	93.396	5R01CA276459-03 REVISED		581,014	171,974
Visual Analytics for Exploration and Hypothesis Generation Using Highly Multiplexed Spatial Data of Tissues and Tumors	93.396	3U01CA284207-02S1		573,213	-
WebMeV: A Robust Platform for Intuitive Genomic Data Analysis	93.396	5U24CA231846-05		163,495	-
Total for Assistance Listing Number 93.396				10,817,860	1,428,114
Base editing to elucidate RAF regulation and signaling	93.398	5F31CA294870-02		37,407	-
Defining the functional and spatial properties of tumor-specific tumor-infiltrating CD8 T cells	93.398	5F31CA287975-02		30,624	-
Defining the role of the BCL7 subunit of mammalian SWI/SNF chromatin remodeling complexes in human cancer	93.398	5F31CA271427-03		31,952	-
Defining the roles for the sequence-non-specific DNA-binding domains in mammalian SWI/SNF chromatin remodeling	93.398	5F31CA290929-02		37,407	-
Determining the role of replication protein A in polymerase theta-mediated end-joining	93.398	1F30CA298183-01 REVISED		2,807	-
Developing and evaluating a decision support tool to disseminate tobacco control research and inform policy	93.398	1K99CA277135-01		82,942	-
Diabetes Promotes Breast Tumor via Glycation-Induced Mechanical Changes in ECM	93.398	4K00CA274695-03 REVISED		82,809	-
Dietary prevention for colorectal cancer: targeting the bile acid/gut microbiome axis	93.398	1K99CA283146-01		98,284	-
Elucidating Signatures of DNA Damage Response Alterations from Structural Variants in Human Cancer	93.398	1F31CA287567-01A1		31,952	-
Engineering tumor-targeting bacteria to sense and deliver therapeutics	93.398	5K00CA253756-05		79,420	-
Evaluating the impact of antigen selection on T cell responses to therapeutic cancer vaccination	93.398	5F31CA281128-02 REVISED		31,857	-
Fibrotic remodeling of lymph nodes disrupts T cell function in fibrosis and cancer	93.398	5K00CA264411-04		77,401	-
Functionally dissecting MECOM gene regulation in high-risk leukemia	93.398	5F31CA287658-02 REVISED		34,404	-
Harvard Education Program in Cancer Prevention Control	93.398	5T32CA057711-30REVISED		127,812	-
Human leukocyte antigen and immune response in non-small cell lung cancer: A multi-omics approach	93.398	1K99CA297010-01		31,034	-
Identifying gut bacterial molecules and mechanisms that promote an anti-tumor response to immunotherapy	93.398	5K22CA258960-03		168,375	-
Identifying the Determinants of Immunoediting During Glioblastoma Immunotherapy	93.398	1F30CA298302-01 REVISED		2,807	-
Identifying vulnerabilities of ovarian cancer persister cells through integrated single-cell analyses	93.398	4K00CA284283-03		37,419	-
IL-27 functions as a novel signal 3 cytokine and promotes cytotoxic T cell responses to tumors	93.398	1K99CA290077-01A1		43,091	-
Integrated Epidemiologic Study of Ultra-processed Foods and Colorectal Cancer Risk and Survival	93.398	5K00CA274714-03		84,356	-
Integrating a Multi-Omics Cohort Study with a Medically Tailored Meal Intervention to Target Ultra-Processed Foods	93.398	1K99CA297022-01		8,863	-
Investigating how cancer cells maintain redox homeostasis to support biomass production	93.398	5F30CA268633-04 REVISED		61,234	-
Investigating microphthalmia-associated transcription factor (MITF) and growth factors as initiators of melanoma	93.398	1F31CA294736-01		34,503	-
Investigating splicing-derived antigens in the context of Rbm10-mutant lung adenocarcinoma	93.398	5F30CA278495-02		50,858	-
Investigating the role of apoptosis regulation in cancer therapy-induced vascular toxicities	93.398	5F31CA275321-03		33,237	-
Learning about the effectiveness of lung cancer screening in real-world target populations	93.398	5K99CA287059-02		68,799	-
Machine Learning Methods to Predict Cancer Progression and Estimate Treatment Effectiveness	93.398	5F30CA268631-04		49,725	-
Mechanically active artificial antigen presenting cells for cancer immunotherapy	93.398	5K00CA274690-04		84,365	-
Metabolic regulation of the anti-tumor CD8+ T cell response to PD-1 by asparagine	93.398	5F31CA281090-02 REVISED		4,524	-
Metabolomic signatures of inflammation and metabolic health in relation to colorectal cancer risk	93.398	5F30CA265012-03		49,455	-
Nanobodies for Dissecting the Structure and Function of Oligomeric BAX	93.398	5F30CA275293-03		30,869	-
Patient Administrative Burden in Cancer Care Delivery	93.398	5K99CA277367-02 REVISED		36,924	-
Program for Training in Cancer Epidemiology	93.398	5T32CA009001-48		433,500	-
Racial disparities in advanced prostate cancer care: An analysis of treatment patterns and patient experience	93.398	5F30CA264965-03 REVISED		46,918	-
Structural and biochemical characterization of VCP1P1 and VCP complex	93.398	5F31CA281197-02		32,245	-
Targeting the E1 Control Point of Protein Ubiquitination in Cancer	93.398	5F30CA275160-03		30,875	-
The Harvard Chan Education Program in Cancer Prevention and Control	93.398	2T32CA057711-31		221,443	-
Training Grant in Quantitative Sciences for Cancer Research	93.398	5T32CA009337-44		529,649	-
Understanding and Exploiting Apoptotic Dysregulation in Ovarian Cancer	93.398	1F31CA281083-01A1		30,392	-
Understanding B cell immunity in Merkel cell carcinoma	93.398	5F31CA284500-02		32,407	-
Understanding the role of TWIST1 in colorectal cancer progression and metastasis	93.398	5F30CA260789-04		38,135	-
Total for Assistance Listing Number 93.398				3,063,080	-
Category C: Public Health System Components: Mobile Clinics	93.421	1NU38PW000040-01-00		122,867	-
Total for Assistance Listing Number 93.421				122,867	-
A Culturally-Adapted Multicomponent Teaching Kitchen Intervention for Low-Income Latino Adults	93.837	5K01HL169414-02		118,277	-
CVD Epidemiology Training Program in Behavior, the Environment and Global Health	93.837	5T32HL098048-15		588,709	-

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Defining Genetic Architecture and Pathways of DCM	93.837	5R01HL080494-16 REVISED		870,214	-
Determining the Involvement in PERK in TMAO Induced Atherosclerosis	93.837	5F31HL163871-03REVISED		4,704	-
Dietary Etiologies of Heart Disease	93.837	5R01HL035464-33		697,193	268,871
Genetic Signals in Ventricular Hypertrophy	93.837	5R01HL084553-13		(373)	-
Integrating lifecourse approaches, biologic and digital phenotypes in support of heart and lung disease epidemiologic	93.837	5U01HL145386-06-REVISED		1,419,606	914,666
Leveraging a Natural Experiment to Estimate the Effects of School Racial Segregation on Cardiovascular Risk Factors	93.837	7R01HL151638-04		140,513	84,299
Mediterranean diet, Metabolites, and cardiovascular Disease	93.837	5R01HL118264-12		432,885	211,541
Modern Analytics to Improve Quality and Outcome Assessments Following Congenital Heart Surgery	93.837	5R01HL162893-04 REVISED		541,463	253,518
Molecular Quiescence and Cardiomyocyte Maturation	93.837	5R01HL151684-04		(41,172)	-
Myocardial Physiology of Growth Differentiation Factor Signaling	93.837	5R01HL169291-03		719,509	-
Neuronal and vascular interactions in the CNS	93.837	5R01HL153261-04		(9)	-
NHLBI Summer Training Experience to Increase Diversity in Health-Related Research	93.837	5R25HL121029-10 REVISED		84,374	-
Precision Cardiovascular Medicine for Multi-Ethnic Populations	93.837	5K01HL138259-04		810	-
Project Title: PROSPECT: Puerto Rico Observational Study of Psychosocial, Environmental, and Chronic Disease Trends	93.837	2R01HL143792-06		886,525	479,469
Regulation of cardiomyocyte proliferation by the Reptin ATPase	93.837	5F31HL170493-02 REVISED		31,479	-
Statistical Methods for Integrative Analysis of Large-Scale Multi-Ethnic Whole Genome Sequencing Studies and Biobanks	93.837	5R01HL163560-03 REVISED		594,258	-
Statistical methods to understand changes in dietary patterns over time and cardiovascular disease risk among	93.837	1K01HL166442-01		129,755	-
The Effects of Early Psychosocial Deprivation on Cardiometabolic Risk in Early Adulthood	93.837	5R01HL151848-05REVISED		772,535	637,316
Total for Assistance Listing Number 93.837				7,991,255	2,849,680
Air pollution disrupts Inflammasome Regulation in HEart And Lung Total Health (AIRHEALTH)	93.838	7P01HL152953-04		1,860,360	803,576
Function and application of lung surfactant proteins	93.838	5R01HL150520-04		196,652	(5,717)
Integrating polygenic and environmental risk factors for asthma in diverse populations	93.838	5F31HL167378-02		20,580	-
Macrophage-Mediated Lung Repair Programs Following Injury	93.838	5F31HL172650-02		34,788	-
Mechanisms of regenerative decline in aged alveolar type 2 cells	93.838	5F31HL168966-02		29,537	-
MicroRNAs in Airway Smooth Muscle Function and Asthma	93.838	1R01HL177625-01		114,281	29,973
Predicting Pulmonary and Cardiac Morbidity in Preterm Infants with Deep Learning	93.838	5K01HL141771-06REVISED		21,423	-
The Hillock: A Newly Discovered Airway Epithelial Structure and its Relationship with Squamous Metaplasia	93.838	5F31HL165736-02		35,137	-
Training in Interdisciplinary Pulmonary Sciences	93.838	5T32HL007118-49		541,325	-
Total for Assistance Listing Number 93.838				2,854,083	827,832
Self-Assembling Peptide Nanoparticles for in vivo Genome Editor Delivery to Hematopoietic Stem Cells	93.839	5F31HL167533-02		49,725	-
Characterization of the role of ZSWIM8 and target-directed microRNA degradation in hematopoiesis	93.839	1F30HL175923-01		45,021	-
Erythrocyte maturation through global remodeling of the proteome	93.839	5R01HL153970-04 REVISED		463,448	239,044
Interrogating the Clonal Architecture of Human Hematopoiesis by Mitochondrial Barcoding	93.839	1F30HL177958-01		7,511	-
Investigating the functional role of a degranin in ASXL1 in hematopoiesis and disease	93.839	5F31HL174076-02		32,007	-
Mechanisms of DNA interstrand cross-link repair	93.839	5R01HL098316-12 REVISED		325,495	1,741
Mechanisms of proteome curation during red blood cell differentiation	93.839	1R01HL177823-01		125,276	-
Mitigating Hematologic Adverse Events in Patients with Myeloid Malignancies: A Novel Causal Artificial Intelligence	93.839	5R01HL174679-02		524,360	66,676
Recognition of Orphan Ribosomal Subunit Proteins by the Ubiquitin-Proteasome System	93.839	5F31HL157976-03		2,262	-
Structure and Function of the VWF Helical Tubule Required for Hemostasis	93.839	5F30HL162128-04		51,279	-
Total for Assistance Listing Number 93.839				1,626,384	307,461
Comparing approval, adoption/de-adoption and outcomes for advanced cardiovascular procedures across high-income	93.840	5R01HL167887-02		436,162	134,096
PRIMECare Trial: Preventing Ischemic Heart Disease with mHealth, electronic decision support, and Community Health	93.840	5R01HL149912-05		458,067	227,754
Sending and transducing Hedgehog and Wnt signals	93.840	5R35GM153357-02		659,005	-
Total for Assistance Listing Number 93.840				1,553,234	361,850
Staphylococcus aureus induced itch and neuro-immune signaling in skin inflammation and atopic dermatitis	93.846	1K99AR084572-01		77,115	-
Aging and Rejuvenation of Skin Stem Cells	93.846	5R01AR083416-02		611,195	-
BMP2 Regulation of Periosteal Function	93.846	5R01AR077432-05 REVISED		436,857	-
Characterization of the Insulin to Autophagy Pathway in Muscles	93.846	5R01AR057352-15		593,864	-
Defining key differences in mouse fibroblasts during digit regeneration and fibrosis	93.846	5F31AR082220-02		31,312	-
Defining Sexual Dimorphism in the Skin	93.846	1F31AR083715-01A1		27,703	-
Development, Evaluation and Translation of Robotic Apparel for Alleviating Low Back Pain	93.846	4UH3AR076731-02 (REVISED)		148,135	144,550
Elucidation of the role of Creb5 in promoting the formation and patterning of the intervertebral disc	93.846	5R21AR081990-02		119,142	-
Elucidation of the Role of Creb5 in Synovial Joint Formation	93.846	5R01AR074385-05 REVISED		556,630	-
Mechanism of action of PTH: New signaling components that regulate bone formation and bone marrow fat	93.846	5R01AR073774-05 REVISED		461,567	32,925
Mechanisms of Fetal Skin Regeneration	93.846	1R01AR084566-01		468,557	-

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Mechanistic and Therapeutic Studies of Initiation and Expansion for Genetic and Acquired Heterotopic Ossification	93.846	3K99AR078929-02S1		12,729	-
Molecular architecture of the human knee joint and pelvis at single cell resolution	93.846	3R01AR081274-03S1		592,040	353,479
Molecular Mechanism of Wnt/Planar Cell Polarity Signaling	93.846	5R01AR070877-05 REVISED		3,549	-
Muscle Mass: a Critical but Missing Component in Muscle Modeling and Simulation	93.846	5R01AR080797-02		187,595	167,238
Muscle Tregs in health and disease	93.846	5R01AR070334-10		306,050	-
Nerve-stem cell interactions during skin homeostasis and wound repair	93.846	5F32AR079252-03		(481)	-
Rapid functional genetics to study stem cell-niche interactions in the skin	93.846	5R01AR080110-04		230,919	-
Regulation and function of CCR2 on T cells in Rheumatoid Arthritis	93.846	5F31AR082658-02		31,952	-
The role of ALK4 signaling in skeletal homeostasis and pathogenesis	93.846	5R01AR081061-03		748,527	-
The Role of Creb5 in Maintaining Synovial Joint Homeostasis	93.846	5R01AR076562-04		629,492	-
The role of GGPS1 and CYP1A1 mutations in atypical femoral fracture	93.846	5R21AR076687-02 REVISED		18,851	9,158
The tetraspanin CD151 and integrin $\alpha 3 \beta 1$ signaling complex in basement membrane adhesion	93.846	5F31AR083740-02		33,721	-
Video Disease Activity Index: A novel video measure to monitor rheumatoid arthritis in telehealth	93.846	5R21AR083058-02		49,955	-
Total for Assistance Listing Number 93.846				6,376,976	707,350
Adipose-tissue Tregs: important players in immunological control of metabolism	93.847	5R01DK092541-15		284,117	-
Adjusting for selection bias due to missing eligibility data in electronic health records-based observational studies	93.847	1F31DK141237-01		35,210	-
Aire, a zinc-finger protein that controls autoimmunity	93.847	5R01DK060027-24		377,236	-
Bacterial metabolites controlling Th17 and Treg cells	93.847	5R01DK110559-10		642,107	-
BRAIN CONNECTS: Rapid and Cost-effective Connectomics with Intelligent Image Acquisition, Reconstruction, Cataloging multi-ancestry 'omic readouts of the environmental and genetic determinants of type 2 diabetes.	93.847	5U01NS132158-02		1,184,648	713,647
Characterization of a G Protein-Coupled Receptor Implicated in Intestinal Lipid Homeostasis of Drosophila melanogaster	93.847	5R01DK137993-02		450,415	68,521
Charting human islet maturation via combined soft nanoelectronics and single-cell spatial transcriptomics	93.847	5F31DK130254-03 REVISED		16,076	-
Control of Telomere Homeostasis by Nucleotide Metabolism in Hematopoiesis	93.847	5DP1DK130673-05		737,945	211,515
Controlled release of RNA-targeting therapy to promote healing of diabetic ulcers	93.847	5F30DK135340-03		34,106	-
Dietary Biomarkers Development Center at Harvard University	93.847	5F30DK130564-04		50,887	-
Drosophila as a model to study modifiers of Cystic Fibrosis	93.847	1U2CDK129670-01		1,626,514	807,402
Effect of Arrestin Domain-Containing 4 Protein on Glucose Metabolism	93.847	5F32DK130290-03 REVISED		59,284	-
Engineering scalable collecting duct networks for functional kidney tissue	93.847	5F32DK126289-03 REVISED		29,186	-
Ex Vivo Generation of Functional Kidney Tissues for Transplantation	93.847	5F32DK131821-03 REVISED		46,734	-
Fluxomics Studies of the Effect of Diet Composition on Energy Metabolism	93.847	5UC2DK126023-05		721,265	465,245
FOOD-BASED BIOMARKERS, DIET QUALITY, AND CARDIOMETABOLIC HEALTH	93.847	1R56DK140139-01		359,689	-
Gating of Leptin Transport into the Cerebrospinal Fluid at the Choroid Plexus	93.847	5R01DK120870-05		21,775	18,853
High-resolution functional mapping of non-coding sequences regulating fetal hemoglobin	93.847	5F30DK131642-04 REVISED		49,725	-
High-throughput dissection of transcriptional regulation in kidney disease	93.847	1F31DK142318-01 REVISED		9,375	-
Human Gut Microbiome and Incident Diabetes Risk in U.S. Populations	93.847	5K00DK126120-05		97,038	-
Identifying an implementation strategy to maximize the public health nutrition impact of the Child and Adult Care Food	93.847	5R01DK126698-04 REVISED		719,562	214,229
Identifying targetable apoptotic vulnerabilities for the treatment of AL amyloidosis	93.847	5K01DK125278-04		122,664	-
Investigating mechanical regulation of nephrogenesis using viscoelastic biomaterials and kidney organoids	93.847	5R01DK125263-04		(10,399)	-
Investigating the role of PHD3 in lipid homeostasis	93.847	5F32DK134115-02 (REVISED)		(1,321)	-
Lifestyle Interventions, Metabolites, Microbiome, and Diabetes Risk	93.847	5R01DK127278-04		318,805	-
Mapping protein communication between organs in homeostasis and disease	93.847	5R01DK127601-04 REVISED		328,084	241,528
Mechanisms of mechanosensation and inflammation-induced hypersensitivity in colon innervating DRG sensory neurons	93.847	5R01DK121409-05 REVISED		208,319	10,938
Molecular Mechanisms of Arrestin-Domain Containing Proteins in Metabolism	93.847	5K08DK140638-03		139,806	-
Nociceptor neuron regulation of gastrointestinal barrier protection and host defense	93.847	5R01DK126688-04 REVISED		(25,493)	-
Robust methods for missing data in electronic health records-based studies	93.847	5R01DK127257-04 REVISED		358,335	-
Role of Adipokine FABP4 in Glucoregulation and Counter Regulatory Responses	93.847	5R01DK128150-04		465,391	100,683
Saliva and Plasma Metabolomic Signatures of Diabetes Progression in a Hispanic Cohort	93.847	5R01DK123458-04 REVISED		(14)	-
Training Grant in Academic Nutrition	93.847	5R01DK120560-04 REVISED		211,853	59,724
Training Program in Molecular Metabolism	93.847	5T32DK007703-30		363,334	-
Total for Assistance Listing Number 93.847				176,556	-
microRNA-Regulated Mechanisms Essential for Structural Plasticity of Drosophila Glutamatergic Synapses	93.853	5R01NS135403-02		438,480	-
A comparative approach to uncovering the cellular and circuit basis of the role of the corticospinal tract in motor skill	93.853	5K99NS133031-02		87,098	-
A Facility to Generate Connectomics Information	93.853	5U24NS109102-05 (REVISED)		159,813	-
A quantitative framework for understanding endosomal trafficking networks in Alzheimer's disease	93.853	5R01NS110395-05		38,836	-
				10,208,814	2,912,285

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Action and interaction of ionotropic and metabotropic neurotransmission	93.853	5R37NS046579-20 REVISED		58,073	-
Action and interaction of neurotransmitters and neuromodulators	93.853	1R35NS137336-01 REVISED		789,623	-
Activity-Dependent circuit integration of somatostatin interneuron subtypes in the developing neocortex	93.853	5F31NS135903-02		38,204	-
Anatomical and Functional Characterization of Gastrointestinal to Spinal Cord Circuits	93.853	5F31NS129103-03		30,786	-
Architecture and function of striatal dopamine signaling machinery	93.853	5R01NS103484-08		404,961	-
Area postrema neurons that mediate nausea-associated behaviors	93.853	5R01NS122767-04		775,203	-
Biological Novelty through Adaptive Protein Synthesis in the Octopus	93.853	1F31NS132412-01A1 REVISED		18,682	-
Biomarkers and risk factors for prodromal Parkinson's disease and its progression	93.853	5R01NS126260-04		521,210	166,784
BMAL1 circadian clock complexes from mammalian brain	93.853	1R21NS136974-01A1		168,565	-
BRAIN CONNECTS: A Center for High-throughput Integrative Mouse Connectomics	93.853	SUM1NS132250-02 REVISED		7,223,173	5,287,270
Circuit specializations of cerebellar molecular layer interneurons	93.853	5F32NS133036-03		65,499	-
CRCNS: Using Perturbations and Modeling to Study Connectivity for Decision-Making	93.853	1R01NS143140-01		57,482	-
Diagnosing the Unknown for Care and Advancing Science (DUCAS)	93.853	SU2CNS132415-03		5,147,534	2,716,757
Dissecting how SYNJ2 facilitates mRNA targeting and translation at neuronal mitochondria	93.853	1F31NS141483-01		455	-
Dissecting the Forward Trafficking of Presynaptic Voltage Gated Calcium Channels	93.853	5F31NS127399-03 REVISED		32,052	-
Distributional reinforcement learning in the brain	93.853	5R01NS116753-03		487,201	-
Distributional value coding and reinforcement learning in the brain	93.853	5F31NS124095-03		2,262	-
Divergence of tactile processing in the dorsal column nuclei	93.853	5F31NS124097-03 REVISED		10,902	-
Dopaminergic regulation of spatial learning	93.853	5R01NS129647-03		158,008	-
Dynamics of cellular brain metabolism using mass spectrometry imaging	93.853	5R01NS126248-04		353,264	164,850
Effects of abnormal early experience on IT circuitry	93.853	4R01NS123778-02		549,766	39,836
Electrical Stimulation of Immediate Early Genes	93.853	5R01NS028829-35 REVISED		430,576	-
Elucidating cutaneous mechanosensory circuits, from development to disease	93.853	3R35NS097344-08S1		901,189	-
Endolysosomal proteome landscapes through the lens of neurodegenerative risk alleles	93.853	2R01NS110395-06A1		325,316	-
Functional analysis of whole-brain dynamics in learning	93.853	5R01NS115484-05 REVISED		429,732	155,075
Genetic and neural mechanisms underlying emerging social behavior in zebrafish	93.853	4R01NS124017-02		320,834	30,639
Genomic mechanisms of BDNF signaling in the brain	93.853	5F32NS134623-02		66,177	-
Hippocampal sharp-wave ripple and replay mechanisms underlying long-term memory	93.853	5F32NS129560-03		69,478	-
Identifying and Correcting Dementia-Associated Changes in the Blood-Brain Barrier	93.853	4R01NS117407-02		434,509	-
Investigating descending control of walking	93.853	5K99NS129759-02 REVISED		64,725	-
Ion Channel Pharmacology for Pain and Epilepsy	93.853	5R35NS127216-03 REVISED		1,010,716	-
Mechanisms and functions of synapses and circuits	93.853	5R35NS097284-08 REVISED		749,832	-
Mechanisms of seizure resistance in a mouse genetic model with altered metabolism	93.853	5R37NS102586-08		322,349	-
Mechanisms underlying neuronal enhancer specification during postnatal CNS development	93.853	5R01NS115965-05 REVISED		411,792	-
Mind The Gap: Addressing	93.853	5UE5NS128294-03 REVISED		86,087	-
Molecular and genetic dissection of brain circuits controlling fever	93.853	5R01NS112399-05		247,111	-
Molecular Development and Diversity of Callosal Projection Neurons	93.853	5R01NS104055-05 REVISED		227,213	-
Molecular Dissection of Active Zone Functions in Neurotransmitter Release	93.853	5R01NS083898-12		396,319	-
Molecular mechanisms for co-assembly of endocytic and exocytic machineries at a synapse	93.853	5K99NS129959-02 REVISED		62,614	-
Molecular mechanisms of neuron motility and axon guidance	93.853	2RF1NS069913-11A1		645,377	-
Molecular mechanisms of somatostatin interneuron diversity	93.853	5F31NS130915-03		32,767	-
molecular mechanisms of the blood brain barrier function and regulation	93.853	5R35NS116820-06		1,053,738	-
Motion Sequencing for All: pipelining, distribution and training to enable broad adoption of a next-generation platform	93.853	SU24NS109520-05 REVISED		211,861	-
Neural circuits underlying the acquisition and control of motor skills	93.853	5R01NS099323-09		444,240	-
Neural Mechanisms of Behavioral Variability and Strategy Selection in Larval Zebrafish	93.853	1F31NS141337-01		1,821	-
Neurodevelopmental Function of TBC1D7: A Core Component of the TSC Complex	93.853	1R21NS126952-01A1		2,196	-
Neuron-oligodendrocyte communication underlying myelin distribution in the neocortex	93.853	5R01NS128117-04		399,124	-
Non-classical Ion Channel Function in Human Cortical Histogenesis	93.853	1F31NS134253-01A1 REVISED		32,703	-
Novel Nano- and Immuno-Probes for Multicolor Electron Microscopy of Neural Cells and Tissues	93.853	1R01NS134846-01A1		185,514	-
Odor trail tracking: a new paradigm to unveil algorithms and neural circuits underlying active sensation and continuous	93.853	1RF1NS128865-01		815,583	135,592
Parietal cortex networks for sensorimotor processing during navigation	93.853	5R01NS089521-10		210,128	-
PiNBAC: The Program in Neuroscience Post-Baccalaureate Training Program	93.853	5R25NS130945-03		399,989	46,946
Precision Mapping of Midbrain and Striatum Networks	93.853	5K00DA058542-04		84,480	-
Prospective study of vitamin D and MS risk in African Americans	93.853	5R01NS103891-05REV		441,766	8,966
Regulation of PINK1 and PARKIN-dependent mitophagy	93.853	5R01NS083524-20		206,499	-

The accompanying notes are an integral part of this schedule.

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Federal Grantor/Pass-through Grantor/Program or Cluster Title	Assistance Listing Number	Award Number	Pass-through Entity Identification Number	Federal Expenditures	Passed to Sub-Recipients
Single-cell computation in auditory brainstem and its impact on cortical coding and behavior	93.853	5R01NS118402-03		1,297,495	1,036,790
Structural variation in neuronal circuits as a basis for functional and behavioral individuality	93.853	4R01NS121874-02		1,203,625	366,884
Studying perceptual decision-making across cortex by combining population imaging, connectomics, and computational	93.853	5R01NS108410-03 REVISED		303,531	121,473
Subcellular proteomic investigation of projection neuron growth cones in developing mouse cortex	93.853	5F31NS127518-02		31,418	-
Synthetic System for Neuron Subtype- and Context-Specific Subcellular RNA/Protein Manipulation and Bioactive Delivery	93.853	1R21NS141110-01		140,744	-
Systematic and functional analysis of alternative mRNA splicing in an in vivo model of learning	93.853	1R21NS121825-01A1 REVISED		102,813	-
Systems-level and in situ transcriptomics deconstruction of neural circuits underlying sensorimotor transformation	93.853	5R01NS116593-03 REVISED		1,089,305	-
The Development and Integration of Early Born SST-Expressing Interneurons in the Cortex	93.853	5R01NS081297-12 REVISED		594,048	-
The encoding of uncertainty in the Drosophila compass system	93.853	1R34NS123819-01 REVISED		(7,077)	-
The Heart and the Mind: An Integrative Approach to Brain-Body Interactions in the Zebrafish	93.853	5U19NS104653-08 REVISED		2,772,618	620,393
The Impact of Telestroke on Patterns of Care and Long-Term Outcomes	93.853	3R01NS111952-04 REVISED		1,885	-
The role of mechanosensory activity in the transcriptional maturation of primary somatosensory neurons	93.853	5F32NS129589-03		67,261	-
Towards a unified framework for dopamine signaling in the striatum	93.853	5U19NS113201-05 REVISED		2,238,219	580,074
Two-photon all-optical electrophysiology in behaving mice	93.853	1RF1NS126043-01		800,642	-
Understanding sensorimotor control through realistic neuro-biomechanical simulation	93.853	1U01NS136507-01 REVISED		783,701	341,623
Viscerosensory Modulation of Brain Circuits in Larval Zebrafish	93.853	1R34NS138096-01		291,842	-
Visuomotor coordinate transformation during Drosophila chasing behavior	93.853	5F31NS130782-02 REVISED		18,428	-
Total for Assistance Listing Number 93.853				41,071,985	11,819,952
Molecular basis of antibiotic resilience in Mycobacterium tuberculosis	93.855	5R01AI184469-02		551,428	314,739
Sex differences in T cell metabolism	93.855	5F31AI176738-02		32,487	-
Structural and functional studies of alphavirus receptors	93.855	5R01AI182377-02		901,870	127,269
2024 Boston Bacterial Meeting (BBM)	93.855	1R13AI183711-01		4,494	-
A Clinical Trial of Three Broadly Neutralizing Antibodies and Analytic Treatment Interruption in Early-Treated Children	93.855	5U01AI179561-02		1,390,462	820,880
A clinical trial to evaluate the impact of broadly neutralizing antibody VRC01 on HIV viral reservoir and maintenance	93.855	5U01AI135940-07 REVISED		538,459	571,844
An RNA Nanosensor for the Diagnosis of Antibiotic Resistance in M. Tuberculosis	93.855	5R01AI176498-02		732,055	377,992
Bacteria-Virus interactions in genital herpes infections	93.855	1R21AI180508-01		215,888	-
Bactericidal antibiotics targeting lipoprotein transport in Gram-negative bacteria	93.855	1R01AI187556-01		308,011	-
Biochemical and structural characterization of the cell wall synthesis complex required for bacterial division	93.855	5F32AI178977-02		65,089	-
Biostatistics/Epidemiology Training Grants in AIDS	93.855	5T32AI007358-35		461,304	-
Botswana-Harvard T.H. Chan School of Public Health AIDS Initiative Partnership CTU	93.855	3UM1AI069456-18S1REVISED		2,071,550	2,144,497
Bridging Statistical Inference and Mechanistic Network Models for HIV/AIDS	93.855	5R01AI138901-05		247,206	75,690
Cell surface biogenesis in Streptococcus pneumoniae	93.855	5R01AI139083-05		27,765	-
Characterization of innate immune signaling pathways in the tick Ixodes scapularis	93.855	1R01AI186279-01A1		40,602	-
Characterizing a novel Plasmodium cytoskeletal protein	93.855	5F31AI181256-02		32,957	-
Characterizing the Genomic Basis of Immune-Mediated Resilience Against Tuberculosis in an Admixed Peruvian	93.855	5F30AI157385-04		49,545	-
Continuous in vitro culture and genetics of Plasmodium vivax in a bespoke blood cell bioreactor	93.855	1R61AI187114-01		54,198	-
CONTROL AND ACTIVATION OF THE TUMOR NECROSIS FACTOR RECEPTORS	93.855	5R01AI150709-05 REVISED		427,292	249,481
Coordinate Regulation of Virulence in Vibrio cholerae	93.855	5R37AI018045-45		996,740	-
Cytotoxic T Cell Mediated Immunity to Chlamydia	93.855	3R01AI039558-28S1 REVISED		695,131	-
Defining functional domains of a P. aeruginosa efflux pump using periplasmic nanobodies	93.855	5R21AI153471-02 REVISED		4,558	-
Detection of transrenal Mycobacterium tuberculosis DNA in urine	93.855	5R03AI153554-02 REVISED		4,221	-
Determining the interactions between mosquito oogenesis and Plasmodium falciparum survival and transmission	93.855	5R01AI153404-05		807,924	-
Developing a Barcoded Malaria Parasite Panel to Assess Broadly Neutralizing Antibodies	93.855	5R21AI171658-02		34,960	-
Developing HIV Resistant Hematopoietic Stem Cells through Targeted Base Editing	93.855	1F31AI186590-01		34,802	-
Discovery and characterization of new bacterial cell wall targets and inhibitors to treat resistant infections	93.855	5R01AI148752-05 REVISED		670,371	-
Discovery through chemical synthesis of antibiotics effective against modern bacterial pathogens	93.855	5R01AI168228-04		584,146	-
Dissecting virulence gene regulatory pathways in M. tuberculosis clinical isolates	93.855	5F32AI174653-02		177,080	-
Dynamic Strategies for the clinical management of HIV disease	93.855	5R37AI02634-12		444,616	35,399
Elucidating the biological mechanisms underlying the association between EBV and MS in African Americans	93.855	1R01AI177514-01A1		78,728	-
Elucidating the Function of the Periplasmic Domain of Shape-Determining E. coli Protein RodZ	93.855	1F31AI181426-01		25,351	-
Elucidating the Structural Requirements for Next-Gen Glycoconjugate Vaccines	93.855	5R01AI148273-05 REVISED		296,989	-
Envelope biogenesis in Escherichia coli and Pseudomonas aeruginosa	93.855	2R01AI083365-16		146,184	-
Epidemiology of Infectious Diseases	93.855	5T32AI007535-24		419,452	-
Evaluating host-directed therapeutics against blood-stage malaria parasites	93.855	1R21AI166478-01A1		3,354	-

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Expansion of research and mentoring opportunities to reduce the burden of maternal and pediatric HIV in Botswana	93.855	5K24AI131924-07		163,813	62,244
Exploiting membrane targets to overcome antibiotic resistance	93.855	3U19AI158028-03S1		1,985,326	-
Exploring the roles of acquired immunity and functional constraint in sculpting malaria antigenic diversity	93.855	5R01AI141544-05REVISED		24,776	7,905
Fibroblast-mediated inflammatory resolution of rheumatoid arthritis	93.855	5F30AI174699-03 REVISED		32,507	-
From bench to bednet: Developing novel mitochondrial inhibitors for killing Plasmodium in the malaria mosquito	93.855	1R01AI179949-01		700,571	247,677
Functional analysis of erythrocyte determinants of malaria infection	93.855	5R01AI091787-05	(809)	-	-
Functional characterization of the Plasmodium falciparum invasion ligand bindometion of the Plasmodium falciparum	93.855	5R21AI180609-02		208,466	-
Genetic Analysis of Toxinogenesis in Vibrio Cholerae	93.855	5R37AI018045-43	(109)	-	-
Genetic modulators of serum resistance in Neisseria gonorrhoeae	93.855	1R21AI172369-01A1		181,580	16,382
Genome-wide pooled CRISPR cell screening for the deer tick Ixodes scapularis, a vector of Lyme and other diseases	93.855	5R21AI168592-02		68,309	23,059
Genomics approaches to elucidating pathways to antibiotic resistance in Neisseria gonorrhoeae	93.855	5R01AI132606-07		429,973	-
Gut complement system: Induction and protection against enteric infection	93.855	1R01AI181938-01A1		170,157	19,069
Gut Treg cells at the microbiome interface	93.855	1R01AI182126-01A1		348,080	-
Harnessing Wolbachia-induced conditional infertility for control of the malaria mosquito	93.855	1K99AI185151-01		116,109	-
Harvard University Center for AIDS Research	93.855	3P30AI060354-21S2		4,446,503	2,851,411
HLA risk alleles cause Type 1 Diabetes by modifying the selection of T cell receptors that recognize pancreatic beta cell	93.855	5F30AI16724-02		37,465	-
Identification and analysis of compensatory mutations that support the evolution of antibiotic resistance in Neisseria	93.855	5R01AI153521-05		622,453	452,746
Identification and characterization of a comprehensive set of factors required for sporulation and germination in Bacillus	93.855	5R21AI171308-02 REVISED		44,971	-
Identifying Chlamydia trachomatis factors that mediate PD-L1 upregulation	93.855	5R21AI178272-02		88,444	-
Identifying the drivers of ESX1 evolution in Mycobacterium tuberculosis	93.855	1R21AI187884-01		37,267	-
Illuminating the immune system's genomic dark matter: functionally annotating the hidden transcriptome	93.855	4DP2AI169979-02		484,274	-
ImmGen: Gene Expression and Regulation in Immune Cells	93.855	5R24AI072073-18		2,126,941	733,052
Infant blood epigenome and risks of IgE sensitization, obesity, and asthma: MARC-35/43 cohorts	93.855	5R01AI148338-04REVISED		337,483	289,170
Integrated Development and Discovery of Diagnostics for Drug Resistant Tuberculosis	93.855	5U19AI142793-05 REVISED		2,683,843	819,206
Integrated discovery and development of innovative TB Diagnostics	93.855	5U19AI109755-05 REVISED	(119)	-	(119)
Interactions between trichomonasviruses, their parasite host, and the human superhost	93.855	5F31AI176739-02 REVISED		18,048	-
Intravascular Immune Surveillance by Anti-viral T Cells	93.855	5R01AI155865-05		530,947	-
Investigating bacterial contributions to TB treatment response: a focus on in-host pathogen dynamics	93.855	3R01AI155765-05S1		639,926	364,184
Linking metabolite sensing and gene expression in malaria parasites	93.855	1R21AI168806-01A1		141,028	-
Malaria parasite determinants of host cell tropism	93.855	5R01AI165755-03		794,252	359,426
Malaria transmission blocking through mosquito contact with treated surfaces	93.855	5R01AI148646-05 REVISED		505,266	29,561
Molecular basis of antimalarial drug resistance in Plasmodium vivax	93.855	3R01AI168163-03S1REVISED		791,628	-
Molecular basis of cyclic-di-AMP regulation in Gram-positive bacteria	93.855	1F31AI181098-01A1		27,703	-
Molecular Basis of Spore Germination	93.855	5R01AI164647-03		769,646	-
Molecular Basis of Viral Infectivity	93.855	5T32AI007245-40		378,758	-
Molecular mechanisms of inherent drug resistance in non-tuberculous mycobacteria	93.855	1R01AI179642-01		1,085,908	687,224
Neutrophil Dynamics in Nasal Mucosa	93.855	5R01AI175379-03		724,800	-
NK killing of coronavirus-infected cells	93.855	5F31AI176618-03		36,756	-
Novel phospholipase involved in outer membrane homeostasis in Pseudomonas aeruginosa	93.855	1F31AI181511-01		27,703	-
Nuclear Sensing of Herpesviral DNA	93.855	2R56AI106934-09A1 REVISED		474,237	-
Optimal targeting for individual and population-level TB prevention	93.855	5R01AI146555-05 REVISED		156,082	44,598
Outer Membrane Biogenesis: New Antibiotic Targets	93.855	5R01AI081059-17		693,337	-
Peptidoglycan Biogenesis in Escherichia Coli	93.855	5R01AI083365-15 REVISED		299,376	39,306
Pimping how single-cell states affect genetic regulation of HLA expression in autoimmune diseases	93.855	5F30AI172238-03		49,329	-
Proline homeostasis: a novel mediator of drug tolerance in Plasmodium falciparum	93.855	5R01AI143723-05		598,169	263,151
Receptor-Guided Discovery of Environmental Phages	93.855	5F31AI178993-02		31,122	-
Recording the role of persisters in infection relapse	93.855	5R21AI168524-02 REVISED		54,343	-
Regulation of B cell receptor avidity to organize antigen recognition	93.855	1F31AI186217-01 REVISED		32,151	-
Regulation of the Inflammasome by Gasdermin D mRNA Chimerism	93.855	1F31AI181475-01A1 REVISED		17,353	-
Revealing the Mechanisms of Cleaved and Intact GSDMD Pore Formation and Membrane Rupture	93.855	1F31AI191410-01 REVISED		9,375	-
Ribosome structure determination from Apicomplexan parasites	93.855	5R21AI178196-02		185,110	-
SDMC - IMPAACT Leadership Group	93.855	5UM1AI068616-19		12,434,473	6,330,199
SEAL (Stopping Atopic dermatitis and Allergy) Study: Prevent allergy by enhancing the skin barrier	93.855	3U01AI147462-05S1 REVISED		2,801,884	1,915,564
Spatiotemporal Regulation of Protrusion Dynamics During Intracellular Bacterial Dissemination	93.855	5R21AI173602-02		233,489	-
Specification of Treg cells: learning from FoxP3 deficiencies	93.855	5R01AI165697-03		388,906	-

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Staphylococcus aureus induced Itch and neuro-immune signaling in skin infections	93.855	5R01AI168005-03		800,760	285,515
Statistical and Data Management Center (SDMC), Advancing Clinical Therapeutics Globally for HIV/AIDS and Other	93.855	SUM1AI068634-19		18,692,395	9,781,337
Statistical Methods for Improving Real-Time Public Health Surveillance and Integrated Outbreak Detection	93.855	5F31AI172187-02	(268)		-
Strengthening evidence on optimal multidrug-resistant tuberculosis treatment regimens through improved epidemiologic	93.855	5R01AI146095-05		698,721	289,941
Structural and functional integrity of antigen receptors	93.855	1F31AI186232-01		26,887	-
Structural understanding of the HIV-1 reverse transcription initiation process	93.855	5R01AI167684-03		671,256	177,046
Structure and dynamics of bacterial cell wall synthases	93.855	1R01AI187524-01		257,878	-
Structure and Function of Tetraspanin Complexes	93.855	5R01AI172846-03		830,365	26,172
Structure-based design of neuraminidase immunogens for next-generation influenza vaccines	93.855	5F30AI181355-02 REVISED		37,465	-
Studies on the Biological Mechanisms of Antibiotics	93.855	5R01AI149778-21 REVISED		133,183	-
T Cell Costimulatory Pathways: Functions and Interactions	93.855	5P01AI056299-20 REVISED		659,513	557,983
Targeting Membrane Transport Steps in Cell Envelope Assembly	93.855	5R01AI153358-05		355,063	-
The Dynamics of DNA in Salmonella Persisters in Macrophages	93.855	5F31AI176589-03 REVISED		32,407	-
The Graduate Program in Tropical Infectious Diseases (GPITID)	93.855	5T32AI049928-20		274,940	-
The molecular mechanism of Aire	93.855	5R01AI088204-12		508,526	-
The physiological activation and consequences of Toxin-Antitoxin systems in Salmonella	93.855	5R01AI15552-05		409,091	-
Treg cell diversity and homeostatic control	93.855	5R01AI150686-05 REVISED		210,428	-
Trial of Zinc Supplements for Young Infants with Clinical Severe Infection in Tanzania	93.855	5R01AI175348-03		622,185	14,993
Understanding the mediating role of adherence in risk factors for unfavorable outcomes from tuberculosis treatment	93.855	5R03AI180576-02		76,080	-
Viral and host mechanisms that tilt the HSV lytic/latent balance	93.855	5P01AI098681-10 REVISED		293,691	157,716
Total for Assistance Listing Number 93.855				79,337,214	31,563,509
Mechanistic Analysis of the Ubiquitin-Proteasome System	93.859	5R35GM127032-08		485,426	-
The genetic control of neuronal number and behavior	93.859	5K99GM146243-02 REVISED		12,886	-
A novel and simple mechanism by which cells can sense enzymatic flux	93.859	5R01GM148497-03		269,230	-
A system for long-term high-resolution 3D tracking of movement kinematics in freely behaving animals	93.859	5R01GM136972-04 REVISED		278,530	95,781
Advancing Multiplexed Isobaric Tag-based Strategies for Proteome Profiling	93.859	5R01GM132129-05		117,205	-
An all-in-one web server for RNA structure prediction using evolutionary information	93.859	5R21GM148902-02 REVISED		112,016	25,310
Analysis of conserved eukaryotic transcription elongation factors	93.859	5R01GM135251-04 REVISED		277,568	-
Anion Abstraction From Hypervalent Silanes: Enantioselective Synthesis of Compounds Bearing Carbon and Silicon	93.859	5F32GM143919-03		63,698	-
Assembly and Maintenance of the Bacterial Cell Envelope	93.859	5F32GM146400-03 REVISED		58,126	-
BIOPHYSICAL CUES SHAPING MACROPHAGE AND T-CELL FUNCTIONS	93.859	5K99GM151568-02 REVISED		98,669	-
Biophysical foundations of evolutionary dynamics	93.859	5R35GM139571-04 REVISED		601,114	-
Catalytically Generated Amidyl Radicals for Site-Selective Intermolecular C-H Functionalization	93.859	5F32GM147975-02 REVISED		64,920	-
Cell and Chemical Biology of Microtubules	93.859	5R35GM131753-07		847,044	-
Characterization of silencer element-associated chromatin	93.859	5F31GM145107-03 REVISED		23,492	-
Characterization of the TBCEL-dependent Tubulin Degradation Mechanism	93.859	5F31GM142156-03		4,413	-
Chromosome organization and function in time and space: meiosis, mitosis and E.coli	93.859	5R35GM136322-05 REVISED		977,179	317,245
Continuing Education for Structural Biology Mentors	93.859	5R25GM151273-02		425,961	111,803
Defining OGT's Essential Functions to Guide Therapeutic Approaches	93.859	5R01GM094263-12 REVISED		84,083	-
Determine the mechanism of recognition of ubiquitin configurations by the 26S proteasome	93.859	5R01GM134064-05		174,913	-
Developing proteomics pipelines to improve depth, throughput, and accuracy	93.859	1R35GM156406-01		32,512	-
Development, Elucidation, and Application of New Principles in Stereoselective Catalysis	93.859	5R35GM149244-03		822,039	-
Discovery of structural RNAs involved in human health and disease	93.859	5R01GM144423-03		316,989	-
Dissecting metabolic control by cytosolic-mitochondrial NAD compartmentalization	93.859	5R35GM151097-03		369,706	-
Diversity in Biomedical Sciences Via Personalized Research and Education Programs for Post-Baccalaureates	93.859	5R25GM109436-08 REVISED		336,185	-
Dynamic regulatory mechanisms of robust pattern formation in the neural tube	93.859	2R01GM154339-09A1		86,947	-
Dynamics, Regulation and Function of p53 in Single Cells	93.859	5R35GM139572-05		647,392	-
Elucidating physiology of dormant bacteria to combat antibiotic persistence	93.859	5R35GM137895-05		534,894	-
Elucidating the Functional Role of Post-translational Aminoacylation in Chromatin Regulation	93.859	5F31GM143896-03 REVISED		19,594	-
Engineering fluid dynamics of cryo-plunging for improved vitrification	93.859	5R21GM146127-02		51,206	19,344
Epigenetic Inheritance of Heterochromatin	93.859	5R01GM072805-20 REVISED		314,262	-
Evolutionary Tradeoffs in Antibiotic Resistance	93.859	1R35GM156320-01		416,486	-
Exploiting unicellular animal relatives to understand the evolution of sensory systems	93.859	1F32GM156012-01		63,222	-
Federated and transfer learning methods for cross-ancestry and cross-phenotype integration of genomic datasets.	93.859	1R01GM148494-01		299,656	76,480
Feedback Control of the Cell Cycle	93.859	5R01GM043987-32 REVISED		197,278	-

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Functional genomics resources for the Drosophila and broader research communities	93.859	5P41GM132087-05 REVISED		401,337	-
Furshpan and Potter Native American High School Summer Program	93.859	5R25GM129830-05		45,812	-
Gene targeting driven natural product discovery and biosynthetic pathway elucidation in human pathogen Legionella	93.859	5F32GM151795-02		74,989	-
Genome-wide Mapping of Ribosome Occupancies with Inhibitor-Induced mRNA Covalent Labeling	93.859	5R21GM148899-02 REVISED		134,027	-
Global control of co-transcriptional splicing	93.859	5R01GM136794-04 REVISED		133,165	-
Growth and differentiation in Bacillus subtilis	93.859	5R35GM145299-04		478,524	-
Harvard Chemical Biology PhD Program	93.859	5T32GM139775-04		466,390	-
Harvard Systems Biology Graduate Program	93.859	5T32GM135014-05 REVISED		281,590	-
High-throughput optimization of genetically-encoded fluorescent biosensors	93.859	5R01GM124038-07		349,149	-
HPF-X: High-pressure freezing with buffer exchange	93.859	5R01GM146791-03		270,449	-
Human microbiome metabolites in health and disease	93.859	5R35GM128618-07 REVISED		460,325	-
Identifying the sequences and factors that govern the fate of elongating RNAPII	93.859	5R01GM139960-04 REVISED		187,764	-
Information Integration and Energy Expenditure in Eukaryotic Gene Regulation	93.859	5R01GM122928-08		469,878	-
Information Processing by Post-translational Modification	93.859	5R01GM105375-08 REVISED		(77)	-
Integrating Chemical Genetic Approaches with Precision Genome Editing	93.859	1R35GM153476-01 REVISED		361,926	-
Interdisciplinary training: Statistical Genetics/Genomics and Computational Biology	93.859	5T32GM135117-05		409,000	-
Investigating how bHLH circuits integrate signals for cell fate decisions	93.859	5K99GM151398-02		97,739	-
Investigating molecular mechanisms and cellular functions of genomic imprinting	93.859	5R35GM146921-03		199,977	-
Investigating neofunctionalized alpha-carbonic anhydrases as an emerging class of biosynthetic enzyme in plant	93.859	5R35GM150908-02 REVISED		286,161	-
Joint Program in Molecules, Cells, and Organisms	93.859	5T32GM135143-05 REVISED		541,900	-
Limits and trade-offs of feedback control	93.859	5R01GM081563-11		249,227	-
Linking a prominent gut microbiome-derived metabolite to host proteostasis	93.859	5F32GM149112-03		70,577	-
Macrophage-mediated regulation of inflammation and tissue repair	93.859	5R35GM150816-03		431,994	-
Measuring and modeling the dynamics of patterning in human stem cells	93.859	3R01GM131105-06S1		509,275	-
Mechanism of Divalent Metal Transport by Nramp-Family Transporters	93.859	5R01GM120996-08 REVISED		377,692	-
Mechanism of yeast gene regulation	93.859	5R35GM131801-05 REVISED		671,481	-
Mechanisms and functions of lipid recycling for cellular metabolism	93.859	1R35GM156863-01		97,462	-
Mechanisms of Heterochromatic Transcriptional Gene Silencing	93.859	1F31GM150195-01A1 REVISED		23,492	-
Mechanistic and Structural Studies of ERAD	93.859	1K99GM154114-01		88,489	-
Mechanistic dissection of eukaryotic protein biogenesis and degradation pathways	93.859	5R35GM127136-07 REVISED		746,233	-
Mechanoregulation of Ciliary Motility	93.859	5R01GM141109-05		286,315	-
Medical Scientist Training Program	93.859	3T32GM144273-03S1 REVISED		2,596,102	-
Metabolic control of mitonuclear balance for OXPHOS protein biogenesis	93.859	1F32GM156063-01		58,604	-
Micro-capsule technology for high-throughput analyses of cell-cell interactions	93.859	1R01GM153805-01 REVISED		182,178	-
Microbial Adaptation and the Statistics of Epistasis and Pleiotropy	93.859	5R01GM104239-12		356,183	-
Molecular Biophysics Training Grant	93.859	5T32GM008313-35		2,425	-
Molecular mechanisms of cell fate determinant assembly	93.859	5R01GM143611-04		710,450	-
Molecular Mechanisms of Integrative Signal Transduction	93.859	5R35GM142697-04		378,745	-
Molecular tuning of sensory systems in octopus	93.859	5F32GM148163-03		62,396	-
Molecular, Cellular, and Developmental Mechanisms	93.859	5T32GM145407-03		859,101	-
mRNA Capping Enzyme	93.859	5R01GM056663-24 REVISED		355,786	-
Multi-nuclear Iron Clusters as Biomimics of Nitrogenase Enzyme Metallocofactors	93.859	5F32GM145088-03		69,264	-
New eras of catalysis: Towards the development of pseudotransition metal organocatalysts for metal-free cross-coupling	93.859	5F32GM151794-02 REVISED		30,442	-
New Sample Multiplexing Technologies to Identify Chemical Probes and Illuminate Ubiquitin Biology	93.859	5R01GM067945-21 REVISED		467,732	-
Non-Coding RNAs in Gene Regulation, Genome Defense, and Epigenetic Inheritance	93.859	5R35GM148206-02 REVISED		525,235	-
Novel strategies for high-specific multiplexed imaging of genomic interactions by signal amplification	93.859	3F32GM140783-01A1S1 REVISED		500	-
Photoelectrocatalytic Trifluoromethylation of Arenes via Trifluoroacetate Decarboxylation	93.859	5F32GM153089-02		64,402	-
Prions in the bacterial domain of life	93.859	5R35GM136247-05 REVISED		230,253	-
Probing the specificity and activity of the metazoan Integrator complex	93.859	5R01GM134539-04		513,286	126,223
Program in Genetics and Genomics PhD Training Grant	93.859	5T32GM141745-05		619,738	-
Protein Transport Across Membranes	93.859	5R01GM052586-31		485,391	-
Regulation of Proteasome Activity	93.859	5R35GM145246-03 REVISED		394,285	-
Regulation of translesion synthesis by the bacterial replisome	93.859	5R01GM114065-09 REVISED		187,421	-
Robust, Generalizable, and Fair Machine Learning Models for Biomedicine	93.859	5R35GM142879-04		360,371	-
Role of Chromatin Structures in Genomic Imprinting	93.859	1F32GM156080-01		59,030	-

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Selective Oxidation of Primary C-H Bonds Using Late-Transition-Metal-Oxo Catalysts	93.859	5F32GM145065-03 REVISED		3,103	-
Sending and receiving Hedgehog and Wnt signals	93.859	5R01GM122920-06 REVISED		99,839	-
Stem cell regulation during development and whole-body regeneration	93.859	5R35GM153252-02		395,140	-
Stereoselective Transition Metal Catalysis Enabled by Hydrogen-Bond Donor Mediated Electrophile Activation	93.859	5F32GM149151-02		65,634	-
Structural characterization of single, double and triple-headed axonemal dyneins	93.859	5R01GM143183-04		217,940	-
Structural understanding of 7SK-snRNP mediated transcriptional regulation	93.859	5R01GM144374-02		583,752	231,046
Structure and Function of an ADAM10-Tspan5 Complex	93.859	1F32GM155967-01		34,069	-
Structure-Function Studies of Ribonucleotide Reductase	93.859	5R01GM047274-32 REVISED		406,569	-
Synaptonemal complex assembly and function in meiosis	93.859	3R01GM072551-19S1		404,784	-
Systematic elucidation of allele specific proteome at Imprint Control Regions	93.859	5R01GM135377-05 REVISED		256,879	-
The biosynthesis of N-N bond-containing natural products	93.859	5R01GM132564-04 (REVISED)		23,374	-
The developmental origin of adult pluripotent stem cells	93.859	1F32GM153139-01A1 REVISED		30,236	-
The dynamics and underlying mechanisms controlling cell size and canonical Wnt signaling	93.859	5R35GM145248-03 REVISED		806,541	-
The functional and phenotypic effects of protein coding genetic variation	93.859	1R35GM155278-01		370,764	-
The genetics and genomics of reinforcement	93.859	5R35GM142742-05		377,233	-
The origin, the function and the phenotypic impact of human alleles	93.859	5R35GM127131-08 REVISED		855,015	-
The RNA polymerase II transcription initiation complex	93.859	5R01GM046498-33		367,618	-
The role of conserved chromatin-associated LEX-1 in germline DNA repair	93.859	1F31GM157766-01		455	-
Training in Pharmacological Sciences	93.859	5T32GM132089-07		462,285	-
Transcriptional Activator Complex of the Mammalian Circadian Clock	93.859	5R01GM129275-04		(22,660)	-
Transducing Hedgehog signals across the plasma membrane	93.859	5R01GM135262-04		309,282	-
Trapping reactive intermediates and their application towards catalysis	93.859	5R01GM145752-04		430,641	-
Uncovering the substrate recognition mechanisms of the E3 ligase adaptor cereblon	93.859	5R01GM141406-03		227,889	-
Understanding the link between sleep deprivation and oxidative stress	93.859	5R01GM138872-04		379,196	-
Unraveling the role of molecular capacitors that obscure cryptic genetic variation in <i>Asytanax mexicanus</i> during	93.859	1K99GM157508-01		95,682	-
Visualizing DNA break repair: single-molecule studies of non-homologous end joining	93.859	5R01GM115487-08 REVISED		249,517	-
Total for Assistance Listing Number 93.859				35,687,200	1,003,232
A child's best friend: Behavioral, neural, and endocrinological mechanisms of longitudinal social bond formation	93.865	5F32HD111327-02 REVISED		54,700	-
An axolotl embryogenesis single-cell reference atlas to enable lineage-based developmental and regenerative studies	93.865	1R03HD115999-01 REVISED		39,706	-
Bidirectional Influences Between Adolescent Social Media Use and Mental Health	93.865	1R21HD115354-01		249,796	73,846
Botswana Birth Outcomes Surveillance Extension	93.865	5R01HD095766-05Rev		46,858	-
Closing Research Gaps in Antiretroviral Treatment for Pregnant Women and Infants Living with HIV	93.865	5P01HD107670-04		871,337	1,131,946
Comparative Safety of Non-Insulin Agents in Pregnant Women with Pregestational Diabetes	93.865	5R01HD097778-05		303,276	290,286
Determining lineage decisions and gene regulatory networks governing the generation of key progenitor cell types	93.865	5R01HD100036-05 REVISED		76,838	-
Development of a Modular Soft Exosuit Platform Suitable for Community-Based Neurorehabilitation	93.865	5R01HD088619-06 (REVISED)		17,964	27,721
Dissecting the genetic underpinnings of heterochrony in limb bud initiation	93.865	2R01HD032443-26A1		108,310	-
Does neurotransmitter plasticity of para-serotonergic neurons augment autoresuscitation following perinatal stress	93.865	5R01HD100823-05		940,312	676,458
Employing biologics to probe GPCR signaling in maternal and fetal health	93.865	5K99HD110612-02 REVISED		120,878	-
Enhancing Assisted Reproductive Technologies with Deep Learning and Data Visualization	93.865	5R01HD104969-05		780,078	246,172
Evaluating the role of DNA methylation changes in very early preterm birth	93.865	1R21HD113774-01A1REVISED		37,638	-
Examining distinct and shared mechanisms underlying arithmetic and reading development through behavioral	93.865	5R01HD103358-04		669,258	45,101
Health Outcomes around Pregnancy and Exposure to HIV/ARV (HOPE): Extending the Reach of PHACS to Examine Women	93.865	5R01HD101351-04REV		4,171,527	3,028,058
Human iPSC-derived ovarian follicles as a model of female reproduction	93.865	5F31HD108898-03 REVISED		14,758	-
IDENTIFYING ROADBLOCKS TO LIMB REGENERATION	93.865	5R01HD095494-05		105,200	-
Illuminating the distribution of extreme evolutionary constraint in the human genome from fetal demise to severe	93.865	5F31HD111109-03		32,507	-
Image-based algorithms for remote cesarean surgical site infection diagnoses in diverse populations	93.865	1R01HD112403-01A1 REVISED		188,139	73,783
Integrating Reading and Attention Practices to Maximize Learning for Students with Co-Occurring Difficulties	93.865	1R01HD115003-01 REVISED		104,180	-
Intergenerational impact of maternal trauma history on preschoolers' behavioral health outcomes: Assessing links	93.865	5R01HD102342-05 REVISED		419,565	284,882
Leveraging Causal Inference and Machine Learning Methods to Advance Evidence-Based Maternal Care and Improve	93.865	5F30HD111284-03 REVISED		53,917	-
Life history of the menstruating uterus	93.865	1DP2HD111708-01 (REVISED)		581,496	-
Linguistic, Social, and Cognitive Determinants of Early Word Learning	93.865	5R01HD107285-04		416,075	-
Long-term health consequences of birth by cesarean section	93.865	5R01HD093761-05REVISED		173,419	51,704
Maternal Exposure to Childhood Abuse and Disparities in Offspring Neurodevelopment: Identifying Mechanisms	93.865	5R01HD094725-05REV		662,543	256,367
Mechanisms modulating cell identity in regenerative mammalian epithelia	93.865	5R00HD101021-05 (REVISED)		23,154	-
mHealth-Community Health Worker tool for comprehensive post-cesarean follow-up in rural Rwanda	93.865	5R33HD103052-04		304,746	177,770

The accompanying notes are an integral part of this schedule.

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Microcircuits underlying murine parental behavior	93.865	5R01HD082131-10		194,834	-
Non-coding RNA regulation of neuronal protein translation and appetite control	93.865	5F31HD113399-02		31,774	-
Pediatric HIV/AIDS Cohort Study (PHACS) 2020	93.865	3P01HD103133-05S1		19,398,906	14,822,091
Pediatric HIV/AIDS Cohort Study (PHACS) Data and Operations Center	93.865	5U01HD052102-15 REVISED		(254,998)	(254,998)
PHACS - Data and Operations Center	93.865	5U01HD052102-09		(51,868)	(51,868)
Prenatal exposure to maternal incarceration and infant and toddler health and development	93.865	1F32HD117535-01REVISED		15,252	-
Roles of body-wide injury responses in axolotl limb regeneration	93.865	5R01HD115272-02		763,943	5,003
Sex, Physiological State, and Genetic Background Dependent Molecular Characterization of Circuits Governing Parental	93.865	5K99HD108801-02 REVISED		68,515	-
Signals and mechanical forces controlling radial gut morphogenesis	93.865	5R01HD087234-09		332,203	-
Subcellular investigation of molecular programs responsible for corticospinal neuron development	93.865	5F30HD113352-02		43,015	-
The Role of Hypothalamic Pituitary - Adrenal Axis Dysregulation in Preterm Birth	93.865	5R21HD102822-02REVISED		(2,705)	(1,570)
The Training Program in Reproductive, Perinatal, and Pediatric Life Course Epidemiology	93.865	5T32HD104612-05		300,143	-
Total for Assistance Listing Number 93.865				32,407,189	20,882,752
A National Analysis of the Extent and Value of Medicare Advantage Physician Networks	93.866	5R01AG068122-03REVISED		470,491	30,094
A novel method to identify regulators of biological aging based on high-throughput sequencing of epigenetic clocks.	93.866	5K00AG073499-04		63,247	-
A Research Mentoring Program in Geriatric Rehabilitative Care	93.866	5K24AG069176-10		110,981	13,194
Aging Memory	93.866	5R01AG008441-30 REVISED		95,468	-
Alteration of sleep and cortical parvalbumin interneurons in mouse model of Alzheimer's disease	93.866	5K01AG068366-05		115,535	-
Assessment of Health-Related Work Capacity to Improve Independence of Older Adults	93.866	5R01AG046290-10		550,213	344,866
Behavioral, molecular, and functional dissection of corticospinal neurons in motor performance deficits of physiological and p	93.866	5F30AG074598-03		49,725	-
Cell Non-autonomous Regulation of Aging via Neuronal TORC1	93.866	5R01AG059595-05		2,841	-
Cellular reprogramming to promote longevity, resilience and repair in motor unit degeneration	93.866	3K00AG079815-03S1		179,083	-
Child and adult Metal exposures, gene expression and neuropathologically confirmed Alzheimer's Disease	93.866	1R56AG083897-01REVISED		487,160	311,971
Circulating Plasma Metabolites, Lifestyle Factors, and Mortality Risk	93.866	5R21AG070375-02 REVISED		14,685	10,172
Cis proline directed proteotoxicity in the early development and therapy of traumatic brain injury and vascular dementia	93.866	5K99AG076739-02		20,053	-
Cognitive Function, Alzheimer's Disease and Related Disorders in the HAALSI Cohort	93.866	5R01AG054066-05		4,220	4,656
Comparing hospitalization rates, outcomes, and treatment intensity for elderly patients across OECD countries	93.866	5R01AG058878-05 REVISED		577,961	345,681
COVID-19 and the Health and Wellbeing of Vulnerable Service Sector Workers across the Life Course	93.866	1R56AG081273-01		737,187	108,765
Defining the pathogenic relationship of TDP-43 inclusions and cytoplasmic double stranded RNA in AD and FTD	93.866	1RF1AG078377-01 REVISED		740,015	242,153
Direct and Indirect Effects of GDF11 in the Aging Central Nervous System	93.866	5R01AG072086-05		682,263	-
Disrupted Communication Between Blood Cells and Non-blood Organs as a Mediator of Aging Pathologies	93.866	5U01AG086163-02 REVISED		698,731	-
Dissecting the modulatory functions of interleukin-17 in Alzheimer's Disease	93.866	1RF1AG080738-01		952,495	387,244
Effects of Job Quality in the Service Sector on Health-Related Outcomes Across the Life Course	93.866	5R01AG066898-05 REVISED		564,083	201,933
Epidemiologic, imaging and pathological studies of the role of blood pressure variability in dementia etiology	93.866	5R00AG071742-05		267,027	-
Exploration of MRI measures of neurodegeneration within individuals over short intervals	93.866	5R01AG067420-05 REVISED		396,305	136,532
Harnessing redox regulation of proteasome function to promote healthy aging	93.866	5F32AG085703-02		60,455	-
Health, Aging and Dementia in South Africa: A Longitudinal Study (HAALSI)	93.866	5P01AG041710-10CF-REV		4,349,651	2,573,616
Identifying Targets for Interventions to Improve Functional Ability to Work over the Life Course	93.866	5R01AG078301-03 REVISED		711,930	446,320
Impact of social cohesion on functional recovery after earthquake and tsunami	93.866	5R01AG042463-10 REVISED		65,826	-
Improving Healthcare Quality and Equity For Older Adults with HIV Under Value-Based Care Models	93.866	5R01AG081151-03		577,570	205,277
Improving Medicare in an Era of Change	93.866	5P01AG032952-15 REVISED		1,556,378	240,118
Integrated Care Plans and Health Care Quality, Outcomes, and Equity for Medicare-Medicaid Dual Eligible Beneficiaries	93.866	1RF1AG088640-01		184,909	35,997
Interorgan communication in aging in Drosophila	93.866	1U01AG086143-01 REVISED		647,361	123,773
Intimate Partner Violence and Dementia Risk: Applying Lifecourse and Gender Analysis	93.866	5F31AG080869-02		569	-
LIFeStyle factors and LONGevity (LIFELONG) Study	93.866	1R01AG082685-01A1		177,695	11,163
MD-PhD Training Program in Aging and the Social/Behavioral Sciences	93.866	5T32AG051108-09 REVISED		223,891	-
Mechanisms of Aging Regulation by Neuronal mTORC1 in C. elegans	93.866	5F31AG076296-03REVISED		18,850	-
Mechanisms Specific to the Beneficial Effects of Dietary Restriction	93.866	5R01AG044346-10		261,477	-
miRNA Control of Synaptic Stability and Structural Plasticity	93.866	8K00AG089852-03		71,858	-
Muscle regulatory T cells in exercise and aging	93.866	5F32AG072874-03		(5,116)	-
National Cohort Studies of Alzheimer's Disease, Related Dementias and Air Pollution	93.866	5R01AG066793-05REVISED		713,564	90,513
Neurobehavioral phenotyping of AD model mice using Motion Sequencing	93.866	4R01AG073625-02		341,038	-
Neuronal activity-responsive DNA repair mechanisms and cognitive aging	93.866	1RF1AG084551-01A1		424,548	-
Optimism and Dementia-Related Health Outcomes	93.866	1R01AG085375-01A1		534,514	290,034
Physician Subspecialization and the Health and Health Care of Older Americans	93.866	1R01AG076580-01A1		553,773	11,728

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Precision blood pressure control, cognition and adverse events in older adults: detecting heterogeneity in treatment effects in Private Medicare Plans and Health Outcomes for Older Adults	93.866	1R03AG087481-01A1		80,022	-
Quality control of mislocalized membrane proteins	93.866	5K01AG073583-03REVISED		(8,047)	-
Rapid Longitudinal MRI to Detect Hippocampal Neurodegeneration in Early-Stage Alzheimer's	93.866	5R01AG073277-04 REVISED		352,266	-
Reverse Engineering of Cell Senescence	93.866	5K00AG068432-05		72,361	-
Reversing Loss of Metabolic Homeostasis to Ameliorate Alzheimer's Disease Pathogenicity	93.866	5R01AG073341-04		570,027	-
RNA Splicing Regulation of Lipid Metabolism and Longevity in C. elegans	93.866	5R01AG067106-05		337,549	-
Selective neuronal autophagy in phosphorylated tau degradation and Alzheimer's disease	93.866	1F31AG077729-01A1REVISED		24,978	-
Subcellular mechanisms of subtype-specific neuron vulnerability in ALS and FTD: dysregulation of synapse-localized RNA,	93.866	5F31AG082393-03		32,407	-
Subcellular mito-nuclear balance and gene expression dynamics in Alzheimer's disease	93.866	1RF1AG083085-01		476,833	-
Targeting Mechanisms of Organelle Remodeling to Promote Healthy Aging	93.866	1R21AG091645-01		120,881	-
Targeting REST in Alzheimer's Disease	93.866	1K99AG078343-01A1		112,582	-
The confluence of extreme heat cold on the health and longevity of an Aging Population with Alzheimers	93.866	5R01AG069042-05 REVISED		922,386	18,607
The Longitudinal and Dynamic Effects of Food Insecurity on Cognitive Impairment and Dementia Risk	93.866	3RF1AG074372-01A1S1		769,496	188,854
The role of gasdermins in microglial activation and neurodegeneration in ALS/FTD	93.866	5R01AG079286-03		329,266	120,163
The role of mitochondrial dysfunction in age-related disease: a human genetic approach	93.866	5F32AG084174-02 REVISED		41,994	-
The Use of Telemedicine in the Care of Nursing Home Residents with Alzheimer Disease and Related Dementias	93.866	5F30AG074507-04 REVISED		60,325	-
Training in the Molecular Biology of Neurodegeneration and Alzheimer's Disease	93.866	5R01AG075507-04REVISED		518,595	46,325
Ubiquitin-mediated proteolysis and cell cycle control	93.866	5T32AG000222-33		804,176	-
Understanding Roles for Protein Homeostasis Machinery in Aging Brain Vasculature	93.866	5R01AG011085-32 REVISED		382,620	244,138
Using a Natural Experiment to Evaluate the Long-Term Effects of Neighborhood Deprivation on Alzheimer's Disease	93.866	5F32AG079593-03		66,783	-
Using cellular co-biosis and age programmable mice to derive a global interaction map of aging hallmarks	93.866	7R01AG063385-06REVISED		65,680	64,404
Validation and Kinetic Characterization of Blood-Cerebrospinal Fluid Barrier-Traversing Proteins in Aging	93.866	5R01AG082737-03		516,690	-
Writing and erasing O-GlcNAc on target proteins in the brain	93.866	1K99AG088297-01 REVISED		71,671	-
		1RF1AG081475-01		780,982	352,862
Total for Assistance Listing Number 93.866				26,753,033	7,201,153
CORE GRANT FOR VISION RESEARCH	93.867	5P30EY012196-27		607,866	162,064
Defining mechanisms for natural vision in the primate brain with machine learning	93.867	1DP2EY035176-01 REVISED		396,916	-
Determination of Cone Photoreceptor Fate	93.867	5R01EY029771-05 REVISED		662	-
Development of domains in inferotemporal cortex	93.867	5R01EY025670-09		519,162	20,217
Elucidating Host Responses to AAV Ocular Gene Therapy Vectors	93.867	5F31EY035867-02		32,507	-
Hierarchy of visuospatial codes in the primate temporal lobe	93.867	1R01EY036839-01		9,652	-
Mosaic in Vivo Perturbation (MVP) for systematic assessment of gene function in the eye	93.867	1R01EY036381-01 REVISED		515,798	-
Prohibiting Cell Death in Human Keratocytes: New Insights for Non-surgical Keratoconus Treatment	93.867	5K99EY035260-02 REVISED		92,333	-
Research Training in Visual Neuroscience	93.867	5T32EY007110-35		74,240	-
Structure and Interactions of Conformational Intermediates in gamma-D Crystallin Aggregation, and Their Targeting	93.867	5R01EY030444-05		380,003	-
The role of lineage in the temporospatial genesis of retinal bipolar cell subtypes	93.867	5K99EY034603-02		83,113	-
Total for Assistance Listing Number 93.867				2,712,252	182,281
Biases introduced by filtering electronic health records for patients with complete data	93.879	5R01LM013345-04 REVISED		154,384	29,512
Biomedical Informatics and Data Science Research Training Program (BIRT)	93.879	5T15LM007092-34		586,729	-
Methods for generalizing inferences from cluster randomized controlled trials to target populations	93.879	5R01LM013616-04		435,922	237,718
SCH: AI-driven Flexible Electronics for Cardiac Organoid Maturation	93.879	5R01LM014465-03		239,301	78,212
Semi-supervised Approaches to Denoising Electronic Health Records Data for Risk Prediction	93.879	5R01LM013614-04 REVISED		320,293	145,803
Total for Assistance Listing Number 93.879				1,736,629	491,245
Dental Reimbursement Program	93.924	6 T22HAS3431-01-01		10,891	-
Total for Assistance Listing Number 93.924				10,891	-
2/2-GEOHealth Health Effects of Selected Environmental Exposomes Across the Life Course (HEALS)-US	93.989	5U2RTW010108-09		271,248	14,787
Center for Climate: Equitable and Accessible Research-based Testing for Health (C-EARTH)	93.989	1P20TW013028-01		426,893	68,255
Ethiopia Global Infectious Diseases Training Program	93.989	5D43TW011386-05		121,491	32,050
Feasibility of a community-engaged social marketing strategy to reduce HIV-related stigma and improve health	93.989	5R01TW012394-03		284,658	121,621
Identifying genetic determinants of Rotavirus Vaccine Failure in Malawian Children	93.989	5K01TW010853-05		(19,268)	-
Launching Future Leaders in Global Health (LAUNCH) Research Training Program	93.989	3D43TW010543-08S2 REVISED		1,297,571	97,810
Training in HIV Genomics, Treatment, and Cure Research in Botswana	93.989	3D43TW009610-12S2REVISED		347,433	401,374
Training Tanzanian Researchers for HIV/AIDS Implementation Science	93.989	5D43TW009775-08		275,341	189,515
Total for Assistance Listing Number 93.989				3,005,367	925,412
Coffee drinking and mortality among never smokers in the Pooling Project of Prospective Studies of Diet and Cancer	93.RD	5N91024P00647		19,885	-

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Detection of Cryptic RNA in Extracellular Vesicles	93.RD	75N95024P00263		285,215	-
Digital storytelling to reduce the personal care product associated EDCs exposure and hormonally mediated disease risks	93.RD	No Award Number		11,309	-
Doulas as Environmental Health Educators: A Health Intervention to Reduce Endocrine Disrupting Chemical Exposure	93.RD	No Award Number		14,722	-
Dynamic nanoscale cellular imaging via time-resolved cryo-vitrification	93.RD	1R01GM154030-01		284,576	-
Harvard School of Public Health (HSPH)/United States Population Longitudinal Data and Specialized Analytic Support	93.RD	75F40121C00195		90,984	-
Human Organ Chip Enabled Development of Radiation Countermeasures	93.RD	75A50123D00004		5,526,364	1,035,821
Immune Mechanisms of Protection against Mycobacterium tuberculosis Center (IMPAC-TB)	93.RD	75N93019C00071		9,163,726	6,919,258
Non-Human Primate Organ Chips for Vaccine Assessment	93.RD	75A50123D00004		777,445	-
Preflight Tasks supporting the AVATAR Program	93.RD	75A50123D00004		883,468	-
PROSPECT: Pathways, Risk factors, and mOleculeS to Prevent Early-onset Colorectal Tumors	93.RD	1OT2CA297577-01		291,798	-
Total for Assistance Listing Number 93.RD				17,349,492	7,955,079
Total for DHHS Research and Development (R&D)				412,989,965	128,724,291
EPA					
Improving chemical mechanisms for regional/global models in support of US air quality management	66.509	84001401		15,399	-
Total for Assistance Listing Number 66.509				15,399	-
Total for EPA Research and Development (R&D)				15,399	-
Institute of Museum and Library Services					
Re-Centering Indigenous Perspectives in the Fisher Museum	45.301	IGSM-255760-OMS-24		11,974	-
Total for Assistance Listing Number 45.301				11,974	-
Total for Institute of Museum and Library Services Research and Development (R&D)				11,974	-
NASA					
Longwave and shortwave stratospheric aerosol radiative forcing from models and satellite observations	43.001	80NSSC23K1001		131,779	-
21-XRP21-0010; MINERVA: A Dedicated, Global, Precise Radial Velocity Machine for Follow-up Observations of Transiting	43.001	80NSSC22K0233		264,766	63,805
A homogeneous re-analysis of all Kepler and TESS planet candidates	43.001	80NSSC25K7163		117,950	-
A New Metric of Stratospheric Mixing from Trace Gas Interrelationships	43.001	80NSSC23K1005		110,764	-
Application of continuous ground-based remote sensing to analysis of OCO-2/3 XCO2 and SIF data in mosaic landscapes	43.001	80NSSC21K1069		49,652	-
Aura Science Team activities and GEOS-Chem support	43.001	80NSSC23K0926		344,980	-
Competed Dynamics and Chemistry of Summer Stratosphere	43.001	80NSSC19K0326		601,708	-
Constraining Terrestrial Biosphere Model Predictions of Current and Future Carbon Fluxes with GEDI Waveform Lidar	43.001	80NSSC21K0197		62,840	29,164
Continued Development And Application Of A Prototype System For Exploiting Satellite Data To Improve Knowledge	43.001	80NSSC25K7208		39,674	-
Cosmic Storytelling with NASA Data: Tools for Exploring Data Science	43.001	80NSSC21M0002		959,983	93,682
Decoding the Isotopic Fingerprints of Solar System Volatiles: A Laboratory Investigation of Isotopic Fractionation	43.001	80NSSC21K0382		(4,540)	-
Development and deployment of an Autonomous Biogeochemical Instrument for In Situ Studies (the ABISS)	43.001	NNX17AB31G		(1,006)	-
Development of a Through Silicon Via (TSV)-enabled HREXI Detector Module (HDM)	43.001	80NSSC22K1892		186,221	-
Did Earth have a late veneer - Determining the behaviors of highly siderophile elements during core formation	43.001	80NSSC24K1719		22,708	-
Earliest X-rays from a Possible Late Thermal Pulse	43.001	GO4-25014X		5,116	-
Fine-Tuned Search for Kilonova Emission in a Short Gamma-Ray Burst: Implications for the Progenitors, GW Sources,	43.001	HST-GO-16303.001-A		38,464	-
Improved Understanding of Methane Emissions and Trends in North America and Globally Through a Unified Top-Down	43.001	80NSSC18K0178		(6,003)	-
Improved understanding of oxygenated volatile organic compounds (OVOCs) in polluted and remote atmospheres	43.001	80NSSC21K1443		262,679	-
Improving sub-seasonal temperature, precipitation, and hydrological forecasts over North America through online bias	43.001	80NSSC22K1837		194,714	-
Knitting Together the Milky Way: An Integrated Model of the Galaxy's Stars, Gas, and Dust	43.001	80NSSC21K0634		27,686	-
Measurements of atmospheric trace species and greenhouse gases (CO2 , CH4 , CO , N2O) from airborne and balloon	43.001	80NSSC21K1200		314,373	-
Metasurfaces for Compact, Next-Generation Polarimetric Remote Sensing of Aerosols and Clouds	43.001	80NSSC20K0318		36,467	-
MoSeq in space: analyzing pre-, in-, and post-flight mouse behavior using machine learning	43.001	80NSSC23K1430		8,274	-
Reassessing Martian dynamo history using high-resolution paleomagnetic imaging and updated orbital magnetometry	43.001	80NSSC22K0135		137,885	37,549
Support, development, and applications of the GEOS-Chem atmospheric chemistry module in the GEOS ESM	43.001	80NSSC23K0489		162,208	-
Tidal Disruption Events Unveiled: Understanding Their Long-term Accretion	43.001	GO3-24086X		35,270	-
Understanding The Formation Environment Of Bennu Using Paleomagnetism	43.001	80NSSC25K7269		12,902	-
Unique Insights Into Swift GRBs With The VLA and ALMA	43.001	80NSSC17K0298		(326)	-
Unveiling the Build-up of Large Scale Structure in the Early Universe	43.001	JWST-GO-04043.002-A		3,857	-
UV to NIR Study of the First Robust Pulsational or Pair Instability Supernova Candidate and its Low Metallicity	43.001	HST-GO-15863.002-A		(2,239)	-
Total for Assistance Listing Number 43.001				4,118,806	224,200
Accelerated Computational Design of Multifunctional Polymeric Materials with Machine Learning Dynamics	43.012	80NSSC20K1189		3,589	-
Highly Extendable Vine Robots for Planetary Exploration and Sampling	43.012	80NSSC23K1226		75,175	-
Single Source, NASA Open Innovation Research	43.012	80NSSC24M0193		19,299	-

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Suborbital measurements of wildfire smoke to advance multi-sensor coordination observations	43.012	80NSSC23K0883		219,244	141,231
Total for Assistance Listing Number 43.012				317,307	141,231
A census of massive binaries and luminous blue variables in the Whirlpool Galaxy	43.RD	HST-GO-17200.003-A		44,373	-
A Multi-wavelength Survey of Irradiated Disks Around a B-star	43.RD	JWST-GO-05269.002-A		23,593	-
Anatomy of an ionized bubble at z equals 6.6: Which galaxies reionized the Universe	43.RD	JWST-GO-01933.002-A		15,147	-
Data-Driven Wisp Templates and Flat Fields for NIRCам	43.RD	JWST-AR-03905.002-A		58,769	-
Far-UV spectroscopy of 22 early-type galaxies: testing for IMF variation and a legacy dataset	43.RD	HST-GO-16678.002-A		11,137	-
Feedback and quenching: separating neutral gas in outflows and galaxies at z~2	43.RD	JWST-GO-05427.002-A		17,922	-
NEXUS: the North ecliptic pole Extragalactic Unified Survey	43.RD	JWST-GO-05105.007-A		18,070	-
OASIS: Observing All phases of Stochastic Star formation - A census of galaxies at z 5 8 over the entire SFR M plane	43.RD	JWST-GO-05997.007-A		11,514	-
Phenomenological modified gravity in the non-linear regime and improving BAO measurements with Stage-IV surveys	43.RD	HST-HF2-51554.001-A		116,031	-
Resolving Early Galaxy Disks at z~8 with NIRSpec-IFS	43.RD	JWST-GO-02959.002-A		(596)	-
SAPPHIRES: Slitless Areal Pure-Parallel High-Redshift Emission Survey	43.RD	JWST-GO-06434.007-A		40,839	-
The JWST View of Icy Volatiles In Disks	43.RD	JWST-GO-05299.003-A		26,369	-
The Stellar and Gas Content of Galaxies at Cosmic Noon	43.RD	JWST-GO-01810.002-A		88,501	-
The volatile inventory of the terrestrial planet forming zone: a study of transport from the outer to the inner disk	43.RD	JWST-GO-03228.006-A		23,643	-
UDF medium band survey: Using H-alpha emission to reconstruct Ly-alpha escape during the Epoch of Reionization	43.RD	JWST-GO-01963.009-A		38,217	-
Unveiling the Redshift Frontier with JWST	43.RD	JWST-GO-03215.001-A		163,283	-
Using Chemical Kinetics to Constrain the Timeline of Mars' Redox Dichotomy	43.RD	HST-HF2-51523.001-A		123,562	-
Where Cosmic Dawn Breaks First: Mapping the Primordial Overdensity Powering a z~9 Ionized Bubble	43.RD	JWST-GO-02279.001-A		20,850	-
White dwarfs in 3D: lenses into distant worlds	43.RD	HST-HF2-51527.001-A		138,213	-
Total for Assistance Listing Number 43.RD				979,437	-
Total for NASA Research and Development (R&D)				5,415,550	365,431
National Endowment for the Arts					
Connecting contemporary art and children's play: A curriculum and professional development collaboration	45.024	1909534-38-23		2,637	-
healing attempt: a digital music-based mindfulness intervention for Black Americans with elevated race-based anxiety	45.024	1925620-38-24		26,756	-
Total for Assistance Listing Number 45.024				29,393	-
Total for National Endowment for the Arts Research and Development (R&D)				29,393	-
National Endowment for the Humanities					
Conservation Junior Fellowship Program	45.149	PE-284340-22		86,622	-
Total for Assistance Listing Number 45.149				86,622	-
The Sirandane Archipelago: Resistant Textual Territories across the Indian Ocean and Caribbean	45.160	FEL-295403-24		15,000	-
Total for Assistance Listing Number 45.160				15,000	-
Ghost Writers of Upper Egypt: A Unique Archive of Arabic Field Diaries in the Archaeological Literature of Egypt and Sudan	45.161	RQ-300089-24		12,388	-
Harvard Library of Ukrainian Literature	45.161	RQ-300116-24		74,371	-
Total for Assistance Listing Number 45.161				86,759	-
The Amendments Project: Rewriting the U.S. Constitution	45.164	MT-284709-22		1,902	-
Total for Assistance Listing Number 45.164				1,902	-
Total for National Endowment for the Humanities Research and Development (R&D)				190,283	-
National Science Foundation					
Collaborative Research: CDS and E: Generalizable RANS Turbulence Models through Scientific Multi-Agent Reinforcement	47.041	CBET-2347423		122,247	-
Collaborative Research: Droplet-based selection to improve aflatoxin detoxification	47.041	CBET-2103538		(6,051)	-
Collaborative Research: Stochastic Nonlinear Control and Learning via Spectral Dynamics Embedding	47.041	ECCS-2401390		49,298	-
EAGER: Active Metamaterials for Computing Applications	47.041	ECCS-2439922		114,754	-
EAGER: Moiré Cavity Single Emitter Lasers (MOCSELS)	47.041	ECCS-2234513		10,080	-
EFRI BEGIN OI:Neuron-Soft Organoid-Computer Interfaces for Long- Term Three-Dimensional Neural Network Computing	47.041	EFMA-2422348		405,630	41,165
Foundational Research in Robotics: Collaborative Research: Climbing and object grasping through tunable capillary	47.041	CMMI-2401907		32,320	-
FW-HTF: Collaborative Research: The Next Mobile Office: Safe and Productive Work in Automated Vehicles	47.041	CMMI-1839870		8,871	-
Mid-infrared reconfigurable pulse generators	47.041	ECCS-2221715		83,391	-
NNCI: The Center for Nanoscale System (CNS) at Harvard University	47.041	ECCS-2025158		947,318	-
NSF-SNSF: Lithium niobate based terahertz systems: fundamentals and applications.	47.041	ECCS-2407727		263,616	-
Rapid: Levels of PM, VOCs, and PAHs in Residences Post-2023 Maui Wildfire: Exposure and Mitigation Assessment	47.041	2348410		84,879	58,183
TRAILBLAZER: Biodegradable Living Materials	47.041	EFMA-2421461		153,721	-
Travel Grant: Reinforcement Learning: from Theorem to Real-World	47.041	ECCS-2451960		46,631	-

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Total for Assistance Listing Number 47.041				2,316,705	99,348
2020 Waterman Award	47.049	CHE-2038059		7,755	-
2021 Alan T. Waterman Award	47.049	DMS-2140043		223,355	-
A Theory of Learned Representations in Artificial and Natural Neural Networks	47.049	DMS-2134157		132,096	-
Antihydrogen and Antiproton Studies	47.049	PHY-1310079		(4,658)	-
Applications of homotopy theory to algebraic geometry and physics	47.049	DMS-2305373		164,155	-
ATD: Collaborative Research: Causal Inference with Spatio-Temporal Data on Human Dynamics in Conflict Settings	47.049	DMS-2124463		2,968	-
Bifurcations in complex algebraic dynamics	47.049	DMS-2246630		124,743	-
Birational Geometry, Hodge Theory and Singularities	47.049	DMS-2401498		82,258	-
CAREER: Beyond Conditional Independence: New Model-Free Targets for High-Dimensional Inference	47.049	DMS-2045981		77,231	-
CAREER: CAS: Organic Photochemistry for Light-Driven CO2 Capture and Release	47.049	CHE-2338206		130,216	-
CAREER: Epitaxial stabilization of non-perovskite oxide quantum materials	47.049	DMR-2339913		95,002	-
CAREER: High-Dimensional Learning and Inference from Heterogeneous Data Sources	47.049	DMS-2440824		6,041	-
CAREER: Learning Probabilistic Factor Models	47.049	DMS-1943902		85,265	-
CAREER: Manipulating Barocaloric Effects in Two-Dimensional Perovskites	47.049	DMR-2238113		129,229	-
CAREER: Nanobody technology to decipher the essential roles of O-GlcNAc in cells	47.049	CHE-1942574		30,654	-
CAREER: Observing topological magnetoelectric effects by magneto-optics and quantum transport	47.049	DMR-2143177		158,657	-
CAREER: Statistical Inference in High Dimensions using Variational Approximations	47.049	DMS-2239234		60,550	-
CAREER: Statistical Inference in Observational Studies – Theory, Methods, and Beyond	47.049	2338760		42,246	-
CAREER: Stochastic effects in the microbial cell cycle: from single-cell level variability to population growth	47.049	PHY-1752024		19,479	-
CAREER: Towards Particle Physics Discoveries With Double Cascades In IceCube and Beyond	47.049	PHY-2239795		222,776	-
CAS: Collaborative Research: Electronic Structure/Function Relationships Underpinning Atom Transfer Reactivity	47.049	CHE-2247817		119,028	-
CDS and E: Collaborative Research: Development and Application of Machine Learning Classification of Optical Transients	47.049	AST-2433718		209,549	-
CDS and E: Enabling Population Studies of Supernovae in the Era of Vera Rubin via Simulated-based Inference	47.049	AST-2406110		78,130	-
CDSE: Collaborative Research: Development and Application of Machine Learning Classification of Optical Transients	47.049	AST-2108531		193,970	-
Center for Integrated Quantum Materials	47.049	DMR-1231319		966,060	369,973
Collaborative Research: AI Tools to Knowledge Discovery and Rigorous Reasoning in Polyhedral Geometry and Reasoning	47.049	2434664		20,383	-
Collaborative Research: Beyond Standard Model Searches Using the IceCube Neutrino Telescope	47.049	PHY-2310050		62,718	-
Collaborative Research: DMREF: Design of Superionic Conductors by Tuning Lattice Dynamics	47.049	DMR-2119351		135,611	-
Collaborative Research: DMREF: Discovery of unconventional superconductors by design	47.049	DMR-2323970		388,419	-
Collaborative Research: Elements: Enriching Scholarly Communication with Augmented Reality	47.049	OAC-2209623		74,164	-
Collaborative Research: Formation of a High Flux Student Research Network (HF-SRN) as a Laboratory for Enhancing	47.049	PHY-1806818		107,327	-
Collaborative Research: Imaging the Beginning of Time from the South Pole: Completing the BICEP Array Survey	47.049	OPP-2220446		397,682	-
Collaborative Research: MFB: Deciphering the Logic of PTM Crosstalk via Novel Chemical Technology	47.049	2127882		504,123	183,691
Collaborative Research: MINERVA - A dedicated, global, precision radial velocity machine for TESS	47.049	AST-2007811		11,805	-
Collaborative Research: New Windows on the Dynamic Universe with the Vera C. Rubin Observatory, the InterPlanetary	47.049	AST-2407922		25,343	-
Collaborative Research: SWIFT-SAT: Coexistence of Remote Astronomical Instruments Susceptible to Interference	47.049	OSI-2332668		79,368	-
Complex Dynamics and Moduli Spaces	47.049	DMS-1903764		207,408	-
Conference: A Celebration of Algebraic Combinatorics	47.049	DMS-2408960		35,293	-
Conference: Advances in probability theory and interacting particle systems	47.049	DMS-2432024		28,645	-
Conference: Amplituhedra, Cluster Algebras and Positive Geometry	47.049	DMS-2412346		27,042	-
Conference: Arithmetic quantum field theory	47.049	DMS-2400553		6,715	-
Conference: Current Developments in Mathematics	47.049	DMS-1933415		(490)	-
Conference: The Legacy of John Tate, and Beyond	47.049	DMS-2502675		33,507	-
DMREF: Collaborative Research: Digital Magnetic Handshake Materials, Structures, and Machines	47.049	DMR-1921619		67,659	-
DMREF: Hydrogel-actuated cellular soft robotic materials with programmable mechanical properties	47.049	DMR-1922321		37,302	-
DMS-EP SRC Collaborative Research: Advancing Statistical Foundations and Frontiers for and from Emerging Astronomical	47.049	DMS-2113615		31,051	-
EAGER: Coherent Manipulation and Quantum Entanglement in Ultracold Reactions	47.049	CHE-2332539		86,686	-
EAGER: Collaborative K-12 Outreach at the Interface between Biology and Imaging Science	47.049	PHY-2333466		139,763	-
EAGER: Physics of Living Systems Teacher (PoLST) Network: Increasing Student Conceptual Understanding of High School	47.049	PHY-2016294		30,156	-
EAGER: Researching Team-Based Learning in High-School Physics Classes	47.049	PHY-2333904		142,530	-
EAGER: SUPER: Optically-enhanced superconductivity in hydrogen-based materials	47.049	DMR-2132338		59,728	61,965
Emerging Statistical and Quantitative Issues in Genomic Research in Health Sciences	47.049	DMS-1833416		12,526	-
Foundations of Data Science Institute	47.049	DMS-2023528		43,902	-
FRG: Collaborative Research: Definability and Computability over arithmetically significant fields	47.049	DMS-2152149		50,964	-

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FRG: Collaborative Research: Geometric and Topological Methods for Analyzing Shapes	47.049	DMS-1760471		51,000	-
Fukaya categories of complex symplectic manifolds	47.049	DMS-2305257		44,716	-
Geometric Langlands Correspondence: Further Directions	47.049	DMS-2005475		4,960	-
Heavy binary black holes in the making: constraining the physics of chemically homogeneous evolution using gravitational	47.049	AST-2009131		2,260	-
Inference for Functionals in High-Dimensional Regression	47.049	DMS-2113426		35,214	-
Instanton homology in low-dimensional topology	47.049	DMS-2304877		151,807	-
Institute for Theoretical, Atomic, Molecular and Optical Physics (ITAMP)	47.049	PHY-2116679		611,394	406,601
Interactions of combinatorics and physics	47.049	DMS-2152991		90,379	-
Interactions of Particles, Fields, and Strings	47.049	PHY-2013858		17,500	-
Investigating fundamental chemical and physical processes affecting gas-particle partitioning using levitated droplet-mass	47.049	CHE-1808084		3,298	-
Investigating Laser-Activation of Structured Polymer Materials for Drug Delivery	47.049	PHY-1806434		27,107	-
Materials Research Science and Engineering Center	47.049	DMR-2011754		3,070,533	-
MRI: Acquisition of Single-Crystal, DUO Diffractometer for Small Molecule Crystallography and Cryosystem	47.049	CHE-2216066		120,294	-
MRI: Development of a Scanning 4-Probe Microscope for Discovery and Characterization of Quantum Materials	47.049	DMR-1828569		23,538	-
New and Refurbished Directions Beyond the Standard Model	47.049	PHY-2310717		131,272	-
NSF BSF: Nonlinear Photon Interactions in Cooperative Quantum Optical Systems	47.049	PHY-2207972		102,190	-
NSF-ANR: Developmental Mechanics Of Brain Evolution	47.049	PHY-2204058		45,922	-
NSF-Simons Center for Mathematical and Statistical Analysis of Biology	47.049	DMS-1764269		60,450	-
NSF-SNSF: Chemical Computing Architectures (CheCoA)	47.049	PHY-2514823		23,930	-
Partially Wrapped Fukaya Categories and Functoriality in Mirror Symmetry	47.049	DMS-2202984		160,424	-
Photoactivation of Stable Bonds for Chemical Conversions	47.049	CHE-2243724		197,592	-
Physics and Applications of Quantum Nanophotonics Systems	47.049	PHY-2012023		263,732	-
QII-TAQs: Majorana Nanomanipulation for Topological Quantum Computing	47.049	OSI-1936246		75,001	26,927
Quantum Charge Tunneling through Self-Assembled Monolayers (SAMs)	47.049	CHE-2203621		195,598	-
Quantum Noir: A conference series focused on Faculty, Researchers, and Students of Color (+) in the Quantum Sciences	47.049	DMR-2306216		104,194	-
Quantum Simulation and Collisions with Ultracold Triatomic Molecules	47.049	PHY-2409404		153,880	-
Quantum Simulation with a Floquet Engineered Array of Interacting Molecules	47.049	PHY-2409713		259,788	-
QuIC-TAQs: Integrated Lithium Niobate Quantum Photonics Platform	47.049	OMA-2137723		439,929	293,643
QuSeC-TAQs: Quantum Sensor Networks for Metrology, Chemistry and Astrophysics	47.049	OMA-2326787		481,170	187,701
Random Matrices, Random Schrödinger Operators and Applications	47.049	2153335		95,729	-
RNA Self-Repair Induced by Sunlight: Can a Novel Mechanism Shed Light on Life's Origins and RNA Cell Function	47.049	PHY-2412783		97,018	-
Screening for Generality in Asymmetric Catalysis	47.049	CHE-2247494		148,900	-
Shimura Varieties and Abelian Varieties	47.049	DMS-2200449		115,283	-
Simulating Spins with an Array of Single Molecules	47.049	PHY-2110225		46,470	-
SMA-SPEC: A Legacy Spectral Line Survey of Protoplanetary Disks	47.049	AST-2407215		102,263	-
Spindle Self-Organization and Bioenergetics in Vivo	47.049	PHY-2013874		9	-
Strange metals and the phases of quantum materials	47.049	DMR-2245246		186,745	-
The Evolution of Evolvability in Microbial Populations	47.049	PHY-1914916		204,943	-
The H3 Spectroscopic Survey and the Origin of the Galaxy	47.049	AST-2107253		81,256	-
The Tierras Observatory: An Ultra-precise Time-series Photometer to Characterize Nearby Low-mass Stars	47.049	AST-2308043		256,155	-
Topics in General Relativity	47.049	PHY-2207659		146,239	-
Topological order and Anyons in and out of Equilibrium	47.049	DMR-2220703		137,286	-
Topology, Geometry and Physics	47.049	DMS-2002771		32,221	-
Towards Geometry-Informed Machine Learning: A Comprehensive Framework for Recognizing	47.049	DMS-2406905		67,379	-
Transport in van der Waals Superconductor Heterostructures	47.049	DMR-2105048		338,413	76,314
Ultracold Triatomic Molecules	47.049	PHY-2109995		21,350	-
Unlikely Intersections in Diophantine Geometry and Dynamics	47.049	DMS-2200981		24,238	-
WoU-MMA: The Electromagnetic Counterparts of Gravitational Wave Sources	47.049	AST-2206110		85,947	-
Total for Assistance Listing Number 47.049				15,341,001	1,606,815
AGS-FIRP Track 3: Methane Emissions Quantification at scales from 20 m to 200 km using the MethaneAIR Imaging	47.050	AGS-2202113		562,874	126,296
Belmont Forum Collaborative Research: ARMS to reefs: A new tool to restore coral reef biodiversity, fisheries yields,	47.050	RISE-2022717		(13,119)	-
Belmont Forum Collaborative Research: Climate-Induced Migration in Africa and Beyond: Big Data and Predictive Analytics	47.050	RISE-2310908		120,454	-
Belmont Forum Collaborative Research: Governance of Sociotechnical Transformations	47.050	RISE-1856215		1,054	-
CAREER: Developing novel biomarker proxies to constrain Neogene changes in African woody cover and paleoecological	47.050	EAR-2426448		79,775	-
CAREER: Ecological turnover at the dawn of the Great Ordovician Biodiversification Event	47.050	EAR-2047192		123,656	72,762

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CAREER: Habitability of the Hadean Earth - A South African perspective	47.050	EAR-2336044		104,070	-
CAREER: Using Tracer Interrelationships to Understand Large-Scale Geophysical Flows and their Changes	47.050	AGS-2239242		247,275	-
CAREER: Exploring the early Earth with high-resolution paleomagnetism	47.050	EAR-1847042		23,550	-
Characterization of Oceanic Storm Systems using Microseism	47.050	EAR-2243407		71,593	-
Clumped Oxygen Isotope Signature of Marine Dissolved Oxygen	47.050	OCE-2049298		18,918	-
Collaborative Research: An analysis of 150 years of sea surface and subsurface observations to map whole-ocean temp	47.050	OCE-2123295		37,397	-
Collaborative Research: CAIG: A Large Foundational Model for Earthquake Understanding	47.050	RISE-2425714		2,819	-
Collaborative Research: Coupled flow-geomechanical models applied to assess earthquake triggering in tectonically	47.050	EAR-2141382		82,143	-
Collaborative Research: Development and Applications of GEOS-Chem Atmospheric Chemistry in CESM and MUSICA	47.050	AGS-2228359		134,272	-
Collaborative Research: Ideas Lab: Smarter Microbial Observatories for Realtime ExperimentS (SMORES)	47.050	DEB-2321651		173,684	-
Collaborative Research: Illuminating the Cenozoic Alkenone pCO2 Record	47.050	OCE-2100537		31,966	-
Collaborative Research: Imaging the Beginning of Time from the South Pole: The next Stage of the BICEP Program	47.050	OPP-1638957		376,221	-
Collaborative Research: Overturning in the Subpolar North Atlantic Program	47.050	OCE-2526644		413,173	-
Collaborative Research: P2C2--Constraints on Last Interglacial and Late Holocene Global Mean Sea Level	47.050	AGS-2202698		5,639	-
COLLABORATIVE RESEARCH: PYRITE OXIDATION AND THE ENSUING TRIPLE O ISOTOPE COMPOSITION OF SULFATE	47.050	EAR-2402464		72,668	-
Collaborative Research: The influence of climate and tectonics on Miocene ecosystems and faunal evolution	47.050	EAR-2420088		87,121	23,353
Collaborative Research: The Lake Superior basin: Natural geomorphic experiment, deepwater-terminating ice stream,	47.050	EAR-2218460		39,267	-
Collaborative Research: Time-dependent imaging of earthquake cycle behavior across the Japan fault system	47.050	EAR-2343233		48,008	-
Constructing a 1.5-million-year time series of magmatic and hydrothermal activity at the Juan de Fuca ridge	47.050	OCE-2323102		11,365	-
Controls on ground surface deformation in thrust and reverse fault earthquakes	47.050	EAR-2207119		45,191	-
CSEDI Collaborative Research: The nature and timing of Earth's accretion	47.050	EAR-2054912		68,871	-
DISES: Environmental tipping points of cultural identity extinction in integrated human-ecological systems represented	47.050	ICER-2108452		465,782	54,327
Explaining the Surprising Simplicity of Continental Evapotranspiration	47.050	AGS-2129576		9,441	-
High spatial resolution assessment of the speleothem magnetization proxy	47.050	AGS-2202772		97,483	-
Integrating the fossil record with computer simulation to reconstruct posture and locomotor evolution in the ancestors	47.050	EAR-2122115		95,170	-
NSFGEO-NERC: Collaborative Research: The first actinopterygian 'adaptive radiation': integrating fossils, function	47.050	EAR-2219069		97,225	-
Postdoctoral Fellowship: OCE-PRF: Reconstructing CO2 Levels for the Late Cretaceous through Paleocene	47.050	OCE-2308272		136,697	-
RAPID: Ongoing Impacts of the Extraordinary Hunga Tonga Volcanic Eruption on the Stratosphere	47.050	AGS-2426145		182,400	-
REU Site: Summer Program at Harvard in Earth and Environmental Research (SPHEER)	47.050	AGS-2150290		87,483	-
Terrestrial Organics since The Oligocene (TOTO): The Rains Down in Africa	47.050	OCE-2425776		182,402	50,087
Using hothouse climates to generalize understanding of convection, clouds, and circulation	47.050	AGS-2210757		90,669	-
Warm Pliocene mid-latitude upwelling sites, with implications to future southwestern North America aridity under climate	47.050	OCE-2303486		166,838	-
Total for Assistance Listing Number 47.050				4,545,495	326,825
AF: Small: A Computational Lens on Participatory Democracy	47.070	CCF-2007080		(22,679)	-
AF: Small: Algorithms and Data Structures with Predictions	47.070	CCF-2101140		128,936	-
AF: Small: Streaming Complexity of Constraint Satisfaction Problems	47.070	CCF-2152413		146,392	-
CAREER: An Algorithmic Theory of Diffusion Models	47.070	CCF-2441635		5,076	-
CAREER: CO2-Efficient Computing: Quantifying Trade-Offs in Power, Performance, Area, and Total Carbon Footprint	47.070	CCF-2443033		39,490	-
CAREER: Complexity of quantum many-body systems: learnability, approximations, and entanglement	47.070	CCF-2238836		78,466	-
CAREER: Defining how the primate visual system works under naturalistic conditions	47.070	2143077		70,361	-
CAREER: Developing Neural Network Theory for Uncovering How the Brain Learns	47.070	IIS-2239780		85,325	-
CAREER: Geometric Deep Learning to Facilitate Algorithmic and Scientific Advances in Therapeutics	47.070	2339524		17,829	-
CAREER: Information-Theoretic Foundations of Fairness in Machine Learning	47.070	CCF-1845852		15,382	-
CAREER: Multi-Agent Decision Making and Optimization using Communication as a Sensor	47.070	CNS-2114733		54,504	-
Career: Towards a Systematic Characterization of Model Explanations for High-Stakes Decision Making	47.070	IIS-2238714		874	-
CNS Core: Medium: Approximation and Randomization in the Programmable Data Plane	47.070	CNS-2107078		132,806	-
Collaborative Research: Artificially-Evolved Modular Robotic Swimmers for Enhanced Mobility and Survivability	47.070	CNS-2334882		54,462	-
Collaborative Research: CHS: Medium: Code demography: Addressing information needs at scale for programming	47.070	IIS-1955699		20,122	-
Collaborative Research: CIF: Medium: Fundamental Limits of Privacy- Enhancing Technologies	47.070	CCF-2312667		107,204	-
Collaborative Research: CIF: Small: Approximate Coded Computing - Fundamental Limits of Precision, Fault-tolerance	47.070	CCF-2231707		120,491	-
Collaborative Research: CNS Core: Medium: A Stateful Switch Architecture for In-Network Compute	47.070	CNS-2211383		20,802	-
Collaborative Research: CNS Core: Medium: Cross-Layer Design of Video Analytics for the Internet of Things	47.070	CNS-1955422		135,779	-
Collaborative Research: Conference: DESC: Type III: Eco Edge - Advancing Sustainable Machine Learning at the Edge	47.070	CCF-2342497		10,177	-
Collaborative Research: DESC: Type 2: Delphi: Life-time aware design frameworks for sustainable edge devices	47.070	CCF-2324862		112,490	-
Collaborative Research: FET: Medium: Efficient Compilation for Dynamically Reconfigurable Atom Arrays	47.070	CCF-2313084		217,853	-

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Collaborative Research: FMITF: Track I: Usable Synthesis-based End-User Programming with Rich Interaction Modalities	47.070	CCF-2123965		78,249	-
Collaborative Research: III: Medium: Situated Visual Information Spaces	47.070	IIS-2107328		(18,557)	-
Collaborative Research: MLWINS: Distributed Learning over Multi-Access Channels: From Bandlimited Coordinate	47.070	CNS-2003111		6,234	-
Collaborative Research: National Science Foundation Expeditions in Computing: Carbon Connect -- An Ecosystem	47.070	CCF-2326605		610,292	-
Collaborative Research: RI: Small: Post hoc Explanations in the Wild: Exposing Vulnerabilities and Ensuring Robustness	47.070	IIS-2008461		(14,379)	-
Collaborative Research: SaTC: CORE: Medium: Foundations of Trust-Centered Multi-Agent Distributed Coordination	47.070	CNS-2147694		165,086	-
CRCNS Research Proposal: Learning by Looking: Modeling visual system representation formation via foveated sensing	47.070	IIS-2309041		272,190	-
FAI: Foundations of Fair AI in Medicine: Ensuring the Fair Use of Patient Attributes	47.070	IIS-2040880		269,271	-
FET: Small: A complexity theoretic lens on near- and medium-term quantum devices	47.070	CCF-2430375		43,591	-
HCC: Medium: Improving Human-AI Collaboration on Decision-Making Tasks	47.070	IIS-2107391		144,852	-
III: Medium: Visually Interactive Neural Probabilistic Models of Language	47.070	IIS-1901030		59,172	46,973
NCS-FO: Empowering Data-Driven Hypothesis Generation for Scalable Connectomics Analysis	47.070	IIS-2124179		67,868	-
Phase II I/UCRC Harvard: Center for Spatiotemporal Thinking, Computing and Applications (STCA)	47.070	CNS-1841403		63,090	-
QCIS-FF: Quantum Computing and Information Science Faculty Fellow at Harvard University	47.070	CCF-2013303		189,780	-
RI: Medium: End-to-end Computational Sensing	47.070	IIS-1900847		252,098	-
RI: Small: Human Validation in Batch Reinforcement Learning	47.070	IIS-2007076		64,527	-
SHF:Medium:A Cloudless Universal Translator	47.070	CCF-1704834		19,273	-
SHF:Small: Extensible Models and Proofs via Family Polymorphism	47.070	CCF-2303983		186,765	-
SLES: A Theoretical Lens on Generative AI Safety: Near and Long Term	47.070	IIS-2331831		213,729	-
TWC: Frontier: Privacy Tools for Sharing Research Data	47.070	CNS-1237235		(683)	-
Untangling Inter-Area Communication in the Brain Using Multi-Region Neural Networks	47.070	2427124		89,350	-
Total for Assistance Listing Number 47.070				4,313,940	46,973
NSF/MCB-BSF: Sub-cellular Localization and Small RNA Regulation of the Outer Membrane	47.074	MCB-1715212		(3,539)	-
BBSRC-NSF/BIO: Integrative analysis and Visualisation of Fly Cell Atlas datasets to enable cross-species comparisons	47.074	DBI-2035515		20,668	-
CAREER: Integrating brain-behavior evolution with real-world science impacts through working dog neuroscience	47.074	IOS-2238071		469,882	-
CAREER: Linking systemic stem cell activation to vertebrate limb regeneration	47.074	IOS-2145925		38,813	-
CAREER: Microbial Mediation of Temperate Tree Responses to Climate Change	47.074	DEB-2339621		87,119	-
CAREER: Testing the contributions of selection, gene-flow, and recombination to reinforcement	47.074	DEB-1844906		171,291	-
Collaborative Proposal: Redefining the ecological memory of disturbance over multiple temporal and spatial scales	47.074	DEB-2231681		186,028	-
Collaborative Research: Comparative Genomics of Host-specific Adaptation and Life History Evolution in Brood Parasitic	47.074	DEB-1754397		28,396	-
Collaborative Research: Digitization and Enrichment of U.S. Herbarium Data from Tropical Africa to Enable Urgent	47.074	DBI-2223880		68,540	-
Collaborative Research: EDGE CMT: Shared genetic and cellular mechanisms of vertebrate limb and fin regeneration.	47.074	IOS-2421119		40,258	-
Collaborative Research: EDGE FGT: Transformation and Genomic Resources to Advance Diverse, Emerging Model	47.074	IOS-2128195		2,838	-
Collaborative Research: Enabling control of Bacillus subtilis growth using non-standard amino acids	47.074	MCB-2027074		33,196	-
Collaborative Research: Feedbacks among Ecosystem Engineers and their Influence on Ecosystem Functioning	47.074	DEB-2303835		162,790	-
Collaborative Research: Higher-order processing in a peripheral neural structure of a nudibranch mollusc	47.074	IOS-2227964		66,879	-
Collaborative Research: Ideas Lab: Discovery of Novel Functional RNA Classes by Computational Integration	47.074	MCB-2243704		138,129	-
Collaborative Research: Legume-rhizobia diversity as a driver of coexistence and N fixation from local to ecosystem scales	47.074	DEB-2345627		11,777	-
Collaborative Research: LightningBug, An Integrated Pipeline to Overcome The Biodiversity Digitization Gap	47.074	DBI-2104150		20,196	-
Collaborative Research: MRA: Modeling and forecasting phenology across spatiotemporal and taxonomic scales	47.074	DEB-2105903		156,945	-
Collaborative Research: NSF-BSF: Under Pressure: The evolution of guard cell turgor and the rise of the angiosperms	47.074	IOS-2333888		249,353	-
Collaborative Research: PurSUIT: Understanding the Neotropical Velvet Worms (Onychophora, Peripatidae, Neopatida),	47.074	DEB-2154245		159,912	-
Creating a Novel Museum-Based Resource for Neuroscience: Mass whole-slide imaging of the R. Glenn Northcutt	47.074	DBI-2122620		125,239	-
CSBR: Natural History: Preserving the genomes of the type specimens in the Museum of Comparative Zoology	47.074	DBI-1946857		97,488	-
DESIGN: Culture Change - Building a Relational and Inclusive Discipline through Genetics Engagement (CC-BRIDGE)	47.074	2334984		270,927	110,160
Digitization TCN: Collaborative Research: Bringing Asia to digital life: mobilizing underrepresented Asian herbarium	47.074	DBI-2101884		(23,877)	18,911
Digitization TCN: Collaborative Research: Documenting marine biodiversity through Digitization of Invertebrate collections	47.074	DBI-2001540		46,866	-
Digitization TCN: Collaborative Research: Mobilizing Millions of Marine Mollusks of the Eastern Seaboard	47.074	DBI-2001536		28,935	-
Dimensions US-BIOTA-Sao Paulo: Collaborative Proposal: Traits as predictors of adaptive diversification along the Brazilian	47.074	DEB-1831560		42,510	-
EDGE FGT: MUSH-IT: Multi-Species Hemimetabolous Insect Tools	47.074	IOS-2220747		691,853	-
Expanding the functions of a 57 codon recoded E.coli genome	47.074	2123243		45,656	-
Identifying the genetic determinants of plasmid-dependent phage host range	47.074	2331228		130,831	-
IntBIO COLLABORATIVE RESEARCH: Deep Time, Development, and Design: Evolution of shark skin teeth from genotype	47.074	IOS-2128033		98,236	-
Investigating the Rotation of Stator Units of the Bacterial Flagellar Motor	47.074	MCB-2146519		188,385	-
LTER: From Microbes to Macrosystems: Understanding the response of ecological systems to global change drivers	47.074	DEB-1832210		1,250,775	249,888

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Mechanisms for the establishment of polarity during whole-body regeneration	47.074	IOS-2401057		209,805	-
MRI: Development of a Microelectromagnetic, Laser Ablation Instrument for Biomechanics	47.074	DBI-1919834		(46)	-
NSF-SNSF: AN INTEGRATIVE STRUCTURAL AND FUNCTIONAL STUDY TO DISSECT THE REGULATORY MECHANISMS	47.074	2434879		219,230	-
ReDDDoT Phase 1: Planning Grant: Piloting an impact accelerator model for cultivating equity and ethics in genetics	47.074	2427533		143,472	-
Rehousing and Digitization of the Museum of Comparative Zoology Recent Invertebrate Microscope Slide Collections	47.074	DBI-2333014		211,723	-
Remote homology detection with evolutionary profile HMMs	47.074	MCB-2151294		188,150	-
REU Site: Genes, Ecosystems, Organisms	47.074	DBI-2150058		171,985	-
REU Site: Summer Research Program in Ecology at Harvard Forest	47.074	DBI-2348924		271,884	-
Revitalizing a field wireless network for research, education and outreach at the Harvard Forest	47.074	DBI-2129580		1,272	-
Sustaining Flybase: The Drosophila genomic and genetic database	47.074	DBI-2039324		548,656	-
Transitions: Spatiotemporal Behaviors of Metabolic Fluxes in Cell Biology	47.074	MCB-2052305		2,035	-
Understanding within-cell plasmid evolution with synthetic systems	47.074	2426105		163,695	-
Total for Assistance Listing Number 47.074				7,235,156	378,959
2022 Cooperative Election Study	47.075	SES-2148907		5,996	5,996
CAREER: Experimental pragmatics and semantics in visual language	47.075	BCS-1844186		(532)	-
CAREER: Global Transport Markets: impact on trade and efficiency	47.075	SES-1847555		(30,914)	-
CAREER: The AI Revolution and Autocratic Institutions	47.075	SES-2143343		84,669	-
CAREER: The Tuning and Topography of the Ventral Visual Stream	47.075	BCS-1942438		135,323	-
CAREER: Understanding Early Language: Evidence from Blind Infants and Deaf Infants	47.075	BCS-2337766		13,242	-
Collaborative research: Empirical Evidence of the Tax Administration Production Function	47.075	SES-1919073		15,740	-
Collaborative Research: Examining Pyrotechnology and Ecosystem Change in the Archaeological Record	47.075	BCS-2413996		53,180	-
Collaborative Research: How Events are Conceptualized by Users of Homesign and by Users of an Established Sign	47.075	BCS-2116702		184,565	-
Collaborative Research: Loopholes as a window into the learning of meaning	47.075	BCS-2118096		17,722	-
Collaborative Research: NCS-FO: Foundations of learning: individual variation, plasticity, and evolution	47.075	DRL-2219739		203,074	-
Collaborative Research: Reconstructing Classic Genetic and Social Kinship Networks	47.075	BCS-2150813		42,897	-
Collaborative Research: State Health, Institutions, and Politics Survey (SHIPS)	47.075	SES-2241885		301,369	-
Collaborative Research: The Economics of Port Infrastructure	47.075	SES-2315533		181,710	-
Collaborative Research: Understanding the Evolution of Political Campaign Advertisements over the Last Century	47.075	SES-2148928		72,793	-
COMPCOG: Intuitive Physics without Intuition or Physics: Leveraging Deep Neural Networks to Model Human Physical	47.075	BCS-1946308		69,538	-
Doctoral Dissertation Research: Investigating the genomic underpinnings of the human hand and foot	47.075	BCS-2337516		32,314	-
Doctoral Dissertation Research: Multi-sited Geophysical Archaeology for the Study of Rural Settlement Change	47.075	BCS-2505370		30,942	-
Doctoral Dissertation Research: Understanding the Long-Term Drivers of Community Reconciliation in Post-Conflict	47.075	BCS-2416022		30,131	-
EAGER: Talk of the Town App for Research	47.075	BCS-2121842		39,472	-
Evolved changes to neural systems for reactive aggression in humans and other primates	47.075	BCS-2234308		113,813	-
Financing the Trans-Atlantic Slave Trade	47.075	SES-2116150		116,572	20,488
HNDS-I: A global seafood trade network database for sustainable food systems, human health, and nutrition security	47.075	2121239		21,888	-
Identifying novel memory traces that improve action precision	47.075	BCS-2218427		85,825	-
Measuring and Reducing Algorithmic Discrimination with Quasi-Experimental Data	47.075	SES-2119849		15,157	8,961
NSF-BSF: Mechanism Design for All	47.075	SES-2343922		101,633	-
Optimal Public Transportation Networks: Theory and Evidence.	47.075	SES-2049784		76,208	-
Our Inner Neandertal: Interrogating Positively Selected Introgressed Variants in Modern Human Genomes for Regulatory	47.075	BCS-2020205		259,839	-
Outsourcing Property Tax Re-Assessments: Empirical Evaluation	47.075	SES-2315488		45,888	-
Pluralism in Biological Models of Sex	47.075	SES-2341785		85,979	-
RAPID: Collaborative Research: A Comparative Study of Expertise for Policy in the COVID-19 Pandemic	47.075	SES-2028585		593	-
SBE-UKRI: Resource rational contractualism: A foundation for moral judgment and decision-making	47.075	SES-2417241		113,819	-
Social Structure Learning	47.075	BCS-2116543		62,904	-
Speech and Communicative Timing Across Languages and Linguistic Contexts	47.075	BCS-2306149		42,730	-
Urbanization and Economic Growth	47.075	SES-2117534		13	-
Total for Assistance Listing Number 47.075				2,626,092	35,445
Cognitive Mechanisms of Guided Instruction in the Early Elementary Years	47.076	DRL-2301180		303,437	92,868
Collaborative Research: Developing an Online Game to Teach Middle School Students Science Research Practices	47.076	DRL-1907398		37,723	-
Collaborative Research: Investigating Gender Differences in Digital Learning Games with Educational Data Mining	47.076	DRL-2201799		28,749	-
Collaborative Research: Promoting Math Skills through Playful Communication in the Home Environment	47.076	DRL-2301246		75,060	-
Collaborative Research: Supporting Teachers to Develop Equitable Mathematics Instruction Through Rubric-Based	47.076	DRL-2100961		267,497	-
Conference: Broadening Participation in an Astrosociology Curriculum	47.076	DUE-2320886		26,128	-

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Crowd-Sourced Online Nexus for Developing Assessments of Middle-school Physical Science Disciplinary Core Ideas	47.076	DRL-2101493		269,438	73,672
Graduate Research Fellowship Program	47.076	DGE-2140743		12,821,725	-
Instrument Development: Racially and Ethnically Minoritized Youths' Varied Out-Of-School-Time Experiences	47.076	DRL-2215050		258,203	126,663
NCS-FO: Dynamic computational phenotyping of human cognition and brain function	47.076	DRL-2024462		35,859	-
Study of Preservice Teachers' Science Content Knowledge and Pedagogical Content Knowledge	47.076	DUE-2013263		444,444	99,647
Tracking Adaptation and Investigating Learning Outcomes for Reforming Mathematics for Life Sciences	47.076	DUE-2417150		7,098	-
When Teachers Aren't There: Detecting, Evaluating, and Learning from Rote Teaching Across Development	47.076	DGE-2327447		152,382	-
Total for Assistance Listing Number 47.076				14,727,743	392,850
Collaborative Research: Bridging the scale gap between local and regional methane and carbon dioxide isotopic fluxes	47.078	OPP-2427291		634,403	57,138
Collaborative Research: Imaging the 3D Viscosity Structure of the Antarctic Mantle with Existing Observations from GPS	47.078	OPP-2142593		122,397	-
Collaborative Research: Impacts of Global Change on Terrestrial Mercury in the Arctic	47.078	OPP-2210173		119,538	-
Total for Assistance Listing Number 47.078				876,338	57,138
Equipment: MRI: Track No.1 Acquisition of Photonic Wirebonding Tool for Quantum and Nanophotonics	47.083	ECCS-2320265		(11,733)	-
Total for Assistance Listing Number 47.083				(11,733)	-
I-Corps: Photophoretically levitating platforms for atmospheric sensing and communications	47.084	TI-2345244		36,563	-
NSF Convergence Accelerator Track L: Intelligent Nature-inspired Olfactory Sensors Engineered to Sniff (iNOSES)	47.084	ITE-2344256		497,518	129,593
NSF Convergence Accelerator: Track H: Restoring Arm Function with Connected Assistance and Rehabilitation Systems	47.084	ITE-2345107		2,606,897	581,067
NSF POSE: Phase II: MLCommons Research for Science: Enabling Open-Source Ecosystems for Scientific Foundation	47.084	TI-2346173		86,491	37,029
PFI-TT: Developing a Minimally-Invasive Manufacturing Method for Personalized Medical Devices	47.084	TI-2414962		151,355	-
PFI-TT: Soft robotic educational kits for recruiting a more diverse group of students into science, technology, engineering	47.084	TI-2213926		51,929	-
POSE: Phase I: Open Source Soft Robotics (OSSR): An Open-Source Ecosystem to Increase Access and Enable Discovery	47.084	TI-2346137		29,309	-
POSE: Phase II: Building the Differential Privacy Ecosystem through OpenDP	47.084	TI-2303681		440,959	-
Total for Assistance Listing Number 47.084				3,901,021	747,689
Collaborative Research: DASS: Co-design of law and computer science for privacy in sociotechnical software systems	47.RD	CCF-2217680		108,310	-
Collaborative Research: DASS: Enabling Standards- and Disclosure-Based Regulations in and through Software Systems	47.RD	CCF-2217722		80,758	-
FAI: A Normative Economic Approach to Fairness in AI	47.RD	2147187		125,746	-
HNDS-I: Bringing Differential Privacy to Social Science Data Repositories	47.RD	BCS-2218803		219,201	-
IPA Agreement in Support of David Wilmouth	47.RD	AGS-2523527		50,730	-
Total for Assistance Listing Number 47.RD				584,745	-
Total for National Science Foundation Research and Development (R&D)				56,456,503	3,692,042
Other DHHS					
Accelerating Discovery with AI and Grammar-based Visual Exploration Interfaces for Biomedical Data Repositories	93.384	1AY5AX00000X		724,045	-
DARTS: Defeating Antibiotic Resistance through Transformative Solutions	93.384	1AY2AX000005-01		25,025,667	17,637,199
Disease-Agnostic Innate Immunotherapeutic RNA Platform	93.384	1AY2AX000031		6,286,406	1,051,207
Total for Assistance Listing Number 93.384				32,036,118	18,688,406
Total for Other DHHS Research and Development (R&D)				32,036,118	18,688,406
U.S. Institute of Peace					
Why it Worked: A Comparative Study of Resolved Conflicts and Research-Based Model for Hope	91.005	G-2303-27616		39,413	-
Total for Assistance Listing Number 91.005				39,413	-
Total for U.S. Institute of Peace Research and Development (R&D)				39,413	-
U.S. Office of Personnel Management					
OPM Meta Leadership Development	27.RD	24322623P0008		14,691	-
Total for Assistance Listing Number 27.RD				14,691	-
Total for U.S. Office of Personnel Management Research and Development (R&D)				14,691	-
Total for Research and Development Cluster Direct Awards				581,253,185	166,415,230
Research and Development Cluster					
Subaward Received					
Action pour la Sauvegarde de l'Enfant et de la Femme Abandonnés - Resource-ful Empowerment: Reducing Violence	98.001		P01826	20,841	-
Concern Worldwide U.S. Inc - NNPHL Phase III	98.001		NNPHL3-HHI-003	138,192	-
EngenderHealth - EngenderHealth-Co-designing a Safe Cesarean Checklist to Enhance Safety and Quality of Obstetric Care	98.001		GGP0005	14,202	-
International Medical Corps - Building a Better Response: Strengthening Non-governmental organization Capacity	98.001		104629.100.51	434,626	-
Population Reference Bureau - MOMENTUM Round 2C	98.001		2020-030AL	403,583	37,732
Simprints - Providing real-time, accurate data to increase malaria vaccine completion rates in Ghana	98.001		8835431	16,959	-
Tufts University - Feed the Future Innovation Lab for Food Systems for Nutrition	98.001		PO EP0231392	51,157	-
Total for Assistance Listing Number 98.001				1,079,560	37,732

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Grand Challenges Canada - Visual Response Simulator (ViRS): Predictive Modeling for Humanitarian Epidemiological	98.RD		R-HGC-POC-2007-35040	(318)	-
Regents of the University of California - Davis - Credit for Social Change: Water Access and Improved Farming	98.RD		A20-1825-S012	79,904	78,217
Total for Assistance Listing Number 98.RD				79,586	78,217
Total for Agency for International Development Subaward Received Research and Development (R&D)				1,159,146	115,949
Department of Agriculture					
The Broad Institute - Ecological Surveillance of Emerging High-consequence Zoonotic Viruses using Novel Assays	10.001		1084-5500003114	117,719	-
Total for Assistance Listing Number 10.001				117,719	-
Regents of the University of California - Berkeley - The Scope of US Wetland Regulation and its Impacts on Rural	10.310		11935	22,908	-
Trustees of Boston University - Climate change and calorie crops - global impacts, adaptation and implications for US	10.310		4500005267	2,922	-
University of New England - SUPERSTARS: Supermarket Support for a Primary Care Healthy Food Prescription	10.310		23073-01	10,380	-
Total for Assistance Listing Number 10.310				36,210	-
Regents of the University of California, San Francisco - The Nutrition Incentive Program Training, Technical Assistance,	10.331		15591sc	74,595	-
Total for Assistance Listing Number 10.331				74,595	-
Family Health Council of Central Pennsylvania, Inc. - Evaluation of Family Health Council of Central Pennsylvania's Mobile	10.557		No Award Number	90,340	-
Total for Assistance Listing Number 10.557				90,340	-
Vermont Law School, Inc - Local and Regional Food Systems Policy Collaborative and Database	10.935		NR233A750005C048-1	45,825	-
Total for Assistance Listing Number 10.935				45,825	-
Electra.aero, Inc. - Electra Support for Craig Mascarenhas	10.RD		No Award Number	125,306	-
Urban School Food Alliance - Urban School Food Alliance 2024	10.RD		No Award Number	115,290	-
Total for Assistance Listing Number 10.RD				240,596	-
Total for Department of Agriculture Subaward Received Research and Development (R&D)				605,285	-
Department of Commerce					
Massachusetts Institute of Technology - 2022-2023 Sea Grant OMNIBUS - Data Driven, Causal Discovery of the Effects	11.417		s5966	6,158	-
Total for Assistance Listing Number 11.417				6,158	-
Trustees of Boston University - Towards an End-to-End Approach to Formal Privacy for Sample Surveys	11.609		4500003717	285,195	-
Total for Assistance Listing Number 11.609				285,195	-
Total for Department of Commerce Subaward Received Research and Development (R&D)				291,353	-
Department of Defense					
California Institute of Technology - Data-Driven Closure Models and Constitutive Relations: The Development of Principled	12.300		5619765	250,329	-
Columbia University - Reengineering the Nervous System of a Cnidarian	12.300		1(GG016259-01)	91,254	-
Drexel University - Biologically derived approaches and prototypes for the control and propulsion of swimming vehicles	12.300		940026	120,201	-
Johns Hopkins University - Navigating in a Complex and Noisy Environment as a Group	12.300		2005184246	2,298	-
Johns Hopkins University - The dynamics of fish schools as robust decentralized networks in turbulent environments	12.300		2006422757	96,475	-
Lehigh University - Revealing the hydrodynamic principles of three-dimensional fish schools: from biology to schooling	12.300		544655-78002	271,490	-
Massachusetts Institute of Technology - Enhanced CO2 Removal and Disposal for Diver Rebreather Applications	12.300		s6589 PO 1213629	19,009	-
Massachusetts Institute of Technology - Evaluating, Predicting, Optimizing, and Monitoring Interventions in Large Network	12.300		S6534-PO-1171199	153,355	-
Purdue University - Meta-Cavity-Mediated Strong Light-Matter Coupling in Two-Dimensional Materials	12.300		13001182-040	64,849	-
Regents of the University of California - A Computational Cognitive Neuroscience Approach to Understanding Event	12.300		A17-0260-5004	(17,967)	-
Regents of the University of California - San Diego - Sea-Level Rise in the Indo Pacific Region: Building a Framework	12.300		706404	114,399	-
Regents of the University of Michigan - New Game Theory for New Agents: Foundations and Learning Algorithms	12.300		SUBK00020618	68,540	-
San Diego State University Research Foundation - Coral Reef Arks: a cost-effective and high-return tool for restoration	12.300		D11286-04 SA736 A5 5A070D 7801	15,382	-
Trustees of Boston University - Fundamental studies on the influence of angular momentum on light-matter interactions	12.300		4500003518	11,271	-
University of Pittsburgh - Topological Spin Qubits Based on Graphene Nanoribbons	12.300		AWD00003971 (417688-1)	193,411	-
University of Texas - Austin - Extraordinary Electronic Switching of Thermal Transport	12.300		UTA21-000332	141,572	-
Total for Assistance Listing Number 12.300				1,595,868	-
Beth Israel Deaconess Medical Center - Correcting cytoskeletal abnormalities and podocyte vulnerability in focal	12.420		GRT66109	87,712	-
Beth Israel Deaconess Medical Center - Defining Intraglomerular Mechanical Stresses and Podocyte Response in Focal	12.420		1063986	23,929	-
Brigham and Women's Hospital, Inc - Design Microbiome-Based Therapies to Prevent and Ameliorate Post-traumatic	12.420		129650	405,013	-
Cleveland Clinic Lerner College of Medicine of CWRU - Probing the Therapeutic Importance of BCL-XL-dependent	12.420		CCF23897736	35,904	-
Research Institute of the McGill University Health Centre - Precision nutrition increases efficacy of DNA Damaging	12.420		10554	76,336	-
Total for Assistance Listing Number 12.42				628,894	-
Board of Regents of the University of Wisconsin System - OPTION 1: Qubits in Gate-Defined Silicon Quantum Dots	12.431		752K205	(82)	-
Curators of the University of Missouri - Quantum State Control of Molecular Collision Dynamics	12.431		C00064278-1	321,541	-
Massachusetts Institute of Technology - A Framework for Universal Generalization via Memory Based Computation	12.431		S6122	361,168	-
Massachusetts Institute of Technology - Multi- Qubit Enhanced Sensing and Metrology	12.431		5710003135	(1,492)	-

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Massachusetts Institute of Technology - Quantum Heterostructures at Solid State and High Freq Electronics	12.431		s6014	152,138	-
Regents of the University of California - San Diego - Dynamic Artificial Cells Composed of Synthetic Bioorthogonal	12.431		28401353 (S900469)	(240)	-
Regents of the University of Michigan - MultiScale Network Games of Collusion and Competition	12.431		SUBK00012224	3,776	-
RTX BBN Technologies - Investigating Noise with Scanning Probes to Enhance the Coherence of Transmons (INSPECT)	12.431		90344	283,292	-
Stanford University - Robust Entanglement-Enhanced Metrology with Atoms and Solid-State Spins	12.431		63307516-163612	441,647	-
Technische Universiteit Delft - High-fidelity operation in spin-qubit registers	12.431		TUD 22.006 Harvard	1,015,007	-
University of Pittsburgh - Adaptive Self-assembled Systems: Exploiting Multifunctionality for Bottom-up Large-scale	12.431		CNVA000056411 (413469-1)	(161)	-
University of Southern California - Realizing Cyber Inception: Towards a Science of Personalized Deception for Cyber	12.431		123811799	(3,115)	-
Total for Assistance Listing Number 12.431				2,573,479	-
Henry M. Jackson Foundation for the Advancement of Military Medicine - Army Study to Assess Risk and Resilience	12.750		5732	(5,198)	-
Henry M. Jackson Foundation for the Advancement of Military Medicine - SAFEGUARD: Suicide Avoidance Focused	12.750		67842	677,126	-
Henry M. Jackson Foundation for the Advancement of Military Medicine - Study to Assess Risk and Resilience of Service	12.750		1082236-6373-67583	2,070,991	-
Henry M. Jackson Foundation for the Advancement of Military Medicine - Study to Assess Risk and Resilience of Service	12.750		HU00012320039	1,395	-
Total for Assistance Listing Number 12.75				2,744,314	-
Columbia University - Ensembles of Molecules in Controlled Quantum States for Quantum Simulations, Ultracold	12.800		5(GG016303-01)	102,777	-
Cornell University - Plant-inspired thermal metamaterials with tunable properties	12.800		139783-21204	21,552	-
Duke University - Meta-imaging: Sensing, Processing and Computing with Dynamic Metasurfaces	12.800		313-1118	129,403	-
Massachusetts Institute of Technology - Multiplexed Quantum Repeaters for High-Speed Quantum Networks	12.800		55090 - PO 473660	1	-
Massachusetts Institute of Technology - MURI: A synthetic biology programming language and foundational control	12.800		s6150	188,374	-
Massachusetts Institute of Technology - Prediction, Statistical Quantification and Mitigation of Extreme Events	12.800		S5203	41,487	-
Stanford University - ANSRE: ANALYSIS and SYNTHESIS of RARE EVENTS	12.800		62455257-159327	228,702	-
Tufts University - Computer-controlled fluidic delivery system and multiplexed microelectrode array for research in basal	12.800		EP0240016	30,835	-
University of Colorado Boulder - Quantum Phononics to Advance Quantum Information Processing	12.800		1563927	483,926	-
University of Notre Dame - Long-coherence high-fidelity electron qubits on quantum solids	12.800		204833HC	240,674	-
University of Texas - Austin - ATOMIC-SCALE MANIPULATIONS OF INTERBAND OPTICAL NONLINEARITIES (ATOMS-IONS)	12.800		UTAUS-SUB00000688	188,532	-
Total for Assistance Listing Number 12.800				1,656,263	-
Columbia University - Development and Application of Silicon-Chip-Based Mid-infrared Frequency Combs	12.910		3-GG012379-03	(1,433)	-
Regents of the University of Michigan - RECTIFY: Rechargeability Enabled by Coated Interfaces and Differentiable Physical	12.910		SUBK00020519	33,233	-
University of Pennsylvania - PIPES	12.910		588097	97,585	-
University of Virginia - SQUEEZED INTEGRATED NITRIDE TECHNOLOGY (SQUINT)	12.910		GR104124.SUB00001161	491,106	-
Total for Assistance Listing Number 12.910				620,491	-
ABSS Solutions, Inc. - Evaluation of a Chemical Therapeutic Strategy to Ameliorate Hemorrhagic Shock using Rattus	12.RD		24-292-59MDW-C25002	122,094	-
Amentum - Dyeing Kevlar and UHMWPE protective fabrics with novel chemical methods	12.RD		SUB-EST-23- 0013	95,757	-
Battelle Memorial Institute - New World Arenavirus Antibody Candidates	12.RD		895170	255,693	-
CDM Smith - Characterizing PFAS in Groundwater: Assessment of Tools and Fluorine Balances	12.RD		6559-001-002-CS	72,526	-
International Business Machines Corporation - Artificial Mental Models for Machine Common Sense	12.RD		CW3013552	(78)	-
Leidos Biomedical Research, Inc - Robust Advanced Quality Protein Manufacturing On-Demand	12.RD		P010285370	74,716	-
MagiQ Technologies - High Performance RF Receiver	12.RD		No Award Number	94,738	-
MIT Lincoln Laboratory - Active Near-UV to Near-IR Photonic Integrated Circuits for Atom-Based Quantum Sensors	12.RD		No Award Number	441,361	-
MIT Lincoln Laboratory - Barocaloric Refrigeration Routine (BRR) in Space Environments	12.RD		No Award Number	2,276	-
MIT Lincoln Laboratory - Integrated Barium Titanate Phase Modulators for Visible-Wavelength PICs	12.RD		7000615248	100,000	-
MIT Lincoln Laboratory - Rare-Earth Doped Chip Optical Waveguides	12.RD		7000644488	61,390	-
MIT Lincoln Laboratory - Roving Autonomous Communications for EW Robustness (RACER)	12.RD		7000633595	53,597	-
Perceptronics Solutions - Topology-Agnostic Resource Management and Control (TARMAC)	12.RD		No Award Number	10,787	-
RallyPoint Networks, Inc. - Evaluation and Improvement of a Peer-to-Peer Social Support Platform for Military Service	12.RD		No Award Number	(1,937)	-
University of Chicago - Adaptive Quantum Error Correction with Atom Arrays	12.RD		AWD104747 (Lukin) SUB00001100	150,923	-
University of Maryland, College Park - Persistent Oceanographic Device Power (PODPower)	12.RD		CON-00001557 - Z2208606	131,103	-
University of Rochester - Optimizing digital behavioral treatment for co-occurring insomnia and depression	12.RD		SUB00000456AM2 / UR FAO GR5335	318,900	-
Total for Assistance Listing Number 12.RD				1,983,846	-
Total for Department of Defense Subaward Received Research and Development (R&D)				11,803,155	-
Department of Education					
Brown University - TEACH ME: Technology Enhanced Academic Communication to Help in Math and English	84.116M		2537	41,246	-
Total for Assistance Listing Number 84.116M				41,246	-
Omega Community Development Corporation - Hope Zone Promise Neighborhood	84.215N		No Award Number	2,818	-
Omega Community Development Corporation - Hope Zone Promise Neighborhoods	84.215N		No Award Number	22,251	-

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Total for Assistance Listing Number 84.215N				25,069	-
SRI International - Initial Efficacy Study of Data Wise	84.305A		PO50657	26,779	-
Total for Assistance Listing Number 84.305A				26,779	-
MDRC - Identifying Best Practices for Estimating Average Treatment Effects in Cluster Randomized Trials	84.305D		1475-HU-2000-01	75,767	-
Total for Assistance Listing Number 84.305D				75,767	-
Florida International University - Effects of Mental Health Interventions Delivered in Schools: A Meta-Analysis	84.324A		894	161,842	-
Total for Assistance Listing Number 84.324A				161,842	-
COVID-19: Boston After School and Beyond - Boston After School and Beyond School Year 2023/24	84.425		No Award Number	211	-
Total for Assistance Listing Number 84.425				211	-
COVID-19: Ohio Department of Education - Proving Ground: Ohio Attendance Network	84.425U		No Award Number	373,560	-
Total for Assistance Listing Number 84.425U				373,560	-
Total for Department of Education Subaward Received Research and Development (R&D)				704,474	-
Department of Energy					
Lawrence Berkeley National Lab - Center for Novel Pathways to Quantum Coherence in Materials	81.000		7677901	6,909	-
Lawrence Berkeley National Lab - Operation of the Harvard Forest Core Site in the AmeriFlux Network Management	81.000		7549117	212,863	-
Lawrence Berkeley National Lab - Quantum Systems Accelerator	81.000		7568717	1,937,274	-
Total for Assistance Listing Number 81.000				2,157,046	-
California Institute of Technology - Quantum Communication Channels for Fundamental Figures Physics (QCCFP)	81.049		5490356	(11,600)	-
California Institute of Technology - Quantum Utility Through Advanced Computational Quantum Algorithms (QUACQ)	81.049		5680845	108,425	-
Cornell University - Amazon vs Congo: Understanding the Intercontinental Differences of Tropical Rainforests' Responses	81.049		172248-23168	10,495	-
Dana-Farber Cancer Institute - Optimizing enzymes for plastic upcycling using machine learning design and high	81.049		4805803	25,830	-
Regents of the University of California - Berkeley - The Geometry and Flow of Quantum Information: From Quantum	81.049		11995	50,000	-
Regents of the University of California - Santa Barbara - Atom-defect Hybrid Quantum Systems	81.049		KK2534	89,043	-
Regents of the University of California - Santa Barbara - Atom-defect in Hybrid Quantum Systems	81.049		KK2470	143,887	-
The Pennsylvania State University - Understanding Multi-Stressor and Multi-Scale Drivers of Feedbacks, Cascading Failures,	81.049		S006323-USDOE	96,375	-
University of Illinois at Urbana-Champaign - EFRC Regenerative Energy-Efficient Manufacturing of Thermoset Polymeric	81.049		110904-19218	205,938	-
Yale University - The Mechanisms, Impacts and Predictability of Extreme El Niño events in E3SM and Other Earth System	81.049		CON-80003942(GR118053)	121,277	-
Total for Assistance Listing Number 81.049				839,670	-
Trustees of Boston University - A New Risk Assessment and Management Paradigm (NewRAMP) in Electricity Markets	81.135		4500003690	7,000	-
University of Houston - MINI-PULPS: Miniaturized Pulsed Power Systems for Mission Critical Applications	81.135		R-23-0002	159,831	-
University of Maryland, College Park - New Environmental-Thermal Barrier Coatings for Ultrahigh Temperature Alloys	81.135		130611-27185201	165,577	-
University of Maryland, College Park - New Environmental-Thermal Barrier Coatings for Ultrahigh Temperature Alloys	81.135		138617-27199204	103,676	-
Total for Assistance Listing Number 81.135				436,084	-
Brookhaven National Laboratory - ATLAS NSW Front-end Electronics Commissioning and Maintenance	81.RD		415554	176,982	-
Brookhaven National Laboratory - Co-design Center for Quantum Advantage (C2QA)	81.RD		390035	265,790	-
Brookhaven National Laboratory - Dynamics and Control of Magnetic and Charge Order in Complex Oxides	81.RD		411807	52,713	-
Brookhaven National Laboratory - Inorganic-Polymer-Composite Electrolyte with architecture design for Lithium Metal	81.RD		414652	29,886	-
Fermi National Accelerator Laboratory - Designing efficient edge AI with physics phenomena	81.RD		702158	22,201	-
Fermi National Accelerator Laboratory - Neutrino Theory Network Fellowship	81.RD		708233	110,515	-
Iowa State University - EFRC: Center for the Advancement of Topological Semimetals (CATS)	81.RD		SC-23-578	632,060	-
Lawrence Berkeley National Lab - AI/DE-QC: Advancing Integrated Development Environments for Quantum Computing	81.RD		7721986	35,233	-
Lawrence Berkeley National Lab - Conceptual Engineering Design and Prototype of Small Aperture Telescope (SAT) Optical	81.RD		7590651	145,980	-
Lawrence Livermore National Laboratory - OPEN COG Grid	81.RD		B666676	112,022	-
Lawrence Livermore National Laboratory - Sentient Materials	81.RD		B668403	26,479	-
Lawrence Livermore National Laboratory - Shape Changing of Responsive Elastomer Structures (SCoRES)	81.RD		B650176	5,145	-
Oak Ridge National Laboratory - Abisko Codesign in the Wild	81.RD		CW34496	(64,833)	-
Oak Ridge National Laboratory - Quantum Science Center	81.RD		CW7492	301,790	-
Pacific Northwest National Laboratory - Long Lifetime Aqueous Soluble Organic Flow Battery Development	81.RD		654799	(1,048)	-
Pacific Northwest National Laboratory - Two Truths - Multi-Project Wafer (MPW)	81.RD		712386	61,327	-
Sandia National Laboratories - Developing Nuclear Magnetic Resonance Sensor (NMRsense) for Real-time Monitoring	81.RD		2668922	60,543	-
Sandia National Laboratories - Foundations for Quantum Simulation of Warm Dense Matter	81.RD		2559948	260,826	-
Total for Assistance Listing Number 81.RD				2,233,611	-
Total for Department of Energy Subaward Received Research and Development (R&D)				5,666,411	-
Department of Homeland Security					
Rand Corporation - Monkeypox Study	97.RD		SCON-0000642	91,043	-

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Rand Corporation - Vanguard: The Future of Emergency Management Executive Leadership seminar	97.RD		SCON-00000570	(94)	-
Total for Assistance Listing Number 97.RD				90,949	-
Total for Department of Homeland Security Subaward Received Research and Development (R&D)				90,949	-
Department of State					
New America Foundation - A blockchain-based indexing system for factories	19.345		SLMAQM18GR2203	(52)	-
Total for Assistance Listing Number 19.345				(52)	-
International Legal Foundation - Reducing Unnecessary and Prolonged Pretrial Detention	19.703		SINLEC23CA0442	84,019	-
Total for Assistance Listing Number 19.703				84,019	-
Total for Department of State Subaward Received Research and Development (R&D)				83,967	-
Department of the Treasury					
COVID-19: Boston Public Health Commission - The Family Van's Multimedia Mental Health Awareness and Education	21.027		No Award Number	64,407	-
COVID-19: Wyoming Business Council - PDIA for Economic Development in Wyoming	21.027		No Award Number	459,469	-
COVID-19: Wyoming Business Council - Wyoming's Pathways to Growth, Jobs, and Prosperity	21.027		No Award Number	171,247	-
Public Health Madison and Dane County - Madison Dane 2024	21.027		No Award Number	150,000	-
Total for Assistance Listing Number 21.027				845,123	-
Total for Department of the Treasury Subaward Received Research and Development (R&D)				845,123	-
Department of Veterans Affairs					
Boston University School of Public Health - Capacity, Efficiency, and Effectiveness of Emergency Care Services for Veterans	64.RD		4500005406	161	-
Boston University School of Public Health - Health Policy and Program Evaluation to Improve Quality, Equity, and Efficiency	64.RD		4500004936	303,804	-
Boston VA Research Institute, Inc. - The Prostate Cancer, Genetic Risk, and Equitable Screening Study (PROGRESS)	64.RD		36C24E24C0004	44,241	-
Total for Assistance Listing Number 64.RD				348,206	-
Total for Department of Veterans Affairs Subaward Received Research and Development (R&D)				348,206	-
DHHS					
AIDS Prevention Initiative in Nigeria, Ltd/Gte. - Accelerated Comprehensive AIDs Response for Epidemic control	93.067		GH00-2416	311,663	-
Total for Assistance Listing Number 93.067				311,663	-
Silent Spring Institute - Assessment of PFAS exposures and health effects in two Massachusetts communities with PFAS	93.070		7101-HSPH-V5	418,648	-
Total for Assistance Listing Number 93.070				418,648	-
Massachusetts Department of Public Health - MassCPR-Pathogens Genomics Center of Excellence	93.084		INTF5104H78W22195356	1,237,708	-
National Network of Public Health Institutes - Advancing Policy as a Public Health Intervention to Reduce Morbidity,	93.084		G3190 AG-1779	36,680	-
Stanford University - Prevention Policy Modeling Lab	93.084		62380390-148206	54,332	-
Stanford University - Prevention Policy Modeling Lab	93.084		63635794-337683	92,391	-
University of Utah - Modeling and Simulation to Support Epidemiological Decision-Making in Healthcare Settings	93.084		10056438-01	177,695	-
Total for Assistance Listing Number 93.084				1,598,806	-
Janssen Research and Development, LLC - Development of novel methods to enable robust comparison of real-world	93.103		C2023019070	2,458	-
Total for Assistance Listing Number 93.103				2,458	-
The Board of Regents of the University of Oklahoma - TeamBirth Oklahoma (OPQIC Project)	93.110		RS20210327-01	16,975	-
Total for Assistance Listing Number 93.110				16,975	-
Arizona State University - Aflatoxin Exposure, Growth Faltering, and the Gut Microbiome among Children in Rural	93.113		ASUB00001297	21,111	-
Beth Israel Deaconess Medical Center - A Randomized Controlled Trial of Home Air Purification for Eosinophilic COPD	93.113		1062311	7,062	-
Boston University School of Public Health - An exploration of segregation, neighborhood-level contextual factors	93.113		4500005128	120,658	-
Boston University School of Public Health - CAFÉ: a Research Coordinating Center to Convene, Accelerate, Foster,	93.113		4500004702	888,828	-
Brigham and Women's Hospital, Inc - Early Life Exposure to the Natural Built and Social Environments and Incident	93.113		121157	155,993	-
Brigham and Women's Hospital, Inc - Exposure to phthalates and OP flame retardants and long-term maternal	93.113		GR0127478-501	432,568	-
Brigham and Women's Hospital, Inc - Male pesticide exposure, reproductive health and epigenetics	93.113		GR0129579-501	169,825	-
Brigham and Women's Hospital, Inc - Per- and poly-fluoroalkyl substances, apolipoproteins, and risk of coronary heart	93.113		GR0130845-501	151,000	-
Brigham and Women's Hospital, Inc - The effects of environmental exposures on semen quality and the sperm	93.113		118582	103,360	-
Brown University - Perfluoroalkyl Substances and Risk of Kidney Cancer in US Men and Women	93.113		2397	56,136	-
Children's Hospital Boston - Indoor Air Quality and Respiratory Morbidity in School-Aged Children	93.113		GENFD0002318985	59,964	-
Children's Hospital Boston - Interdisciplinary approaches for understanding how arsenic and micronutrients	93.113		GENFD0002512587	74,503	-
Colorado State University - Statistical Methods for Precision Environmental Health with Mixture Exposure	93.113		G-20594-02	84,422	-
Columbia University - Air Pollution and Pregnancy Loss	93.113		3(GG017459-01)	151,599	-
Columbia University - Extracellular vesicles in Environmental Epidemiology Studies of Aging	93.113		1(GG017540-04)	(34,984)	-
Columbia University - Integrating air pollution prediction models: Uncertainty quantification and propagation in health	93.113		1(GG014961-01)	146,518	-
Columbia University - Machine Learning remedies to unmeasured confounding biases in environmental mixture studies	93.113		1(GG019304-01)	6,449	-
Columbia University - NEXUS: Network for Exposomics in the U.S.	93.113		1(GG020098-01)	196,545	-

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Drexel University - Examining dietary modifiers of associations between air pollution and autism-related traits	93.113		900159	29,648	-
Emory University - Assessing the 5-Year Effects of a 500-day Liquefied Petroleum Gas Cooking Intervention	93.113		A741292	44,380	-
Harvard Pilgrim Health Care - Long-term prospective associations of PFAS with musculoskeletal and cardiovascular health	93.113		AH000955	25,791	-
Icahn School of Medicine at Mount Sinai - Organic-metal mixtures and neurodevelopment	93.113		0255-G891-4609	91,660	-
Icahn School of Medicine at Mount Sinai - Prenatal metal mixtures and neurodevelopment: Role of placental extracellular	93.113		0255-B981-4609	12,814	-
New York University Langone Medical Center - Brain Influences of Phthalates and Bisphenols in Adolescents	93.113		20-A0-00-1005266	25,210	-
Rutgers Biomedical and Health Sciences - Ambient Air Pollution, Weather, and Placental Abrupton (APWA)	93.113		3041	16,856	-
Rutgers University - Newark - A national study on the effects of air pollution and temperature on children's	93.113		3391	533,659	-
Silent Spring Institute - Expanding effective report-back of environmental exposures among new researchers	93.113		7372-HSPH	12,896	-
Stony Brook University - Population-Based Assessment of the Health Effects of Climate Exposure using Hyperlocal	93.113		101037-1191024-2	39,006	-
The Broad Institute - Integrating Genomic Signatures with Functional Analysis of DNA Repair	93.113		5008209-5500002863	86,395	-
University of Pittsburgh - Profiling the Post-accident Exposome in East Palestine	93.113		AWD00008812 (139651-2)	4,351	-
University of Rochester - Collaborative Development of Ethical Report-Back Guidelines for Household Exposure Research	93.113		SUB00000962/UR FAO GR535349	16,555	-
University of Rochester - Statistical methods to characterize casual mechanisms by which air pollution affects	93.113		SUB00000787-GR534387	385,410	-
University of Southern California - The role of air pollution in emotional neurodevelopment and risk for psychiatric	93.113		138940130	13,412	-
University of Southern California - Urban air pollution and neurobehavioral trajectories in the ABCD study	93.113		138940268	21,735	-
University of Utah - The Influence of Multiple Exposures on Suicide Risk	93.113		10057452-01	66,399	-
Yale University - Statistical Methods to Account for Exposure Uncertainty in Environmental Epidemiology	93.113		CON-80001508 (GR104702)	(1,565)	-
Total for Assistance Listing Number 93.113				4,216,169	-
Brigham and Women's Hospital, Inc - Medicaid coverage for treatment of periodontal disease and oral	93.121		GR1000196-S01	4,329	-
Case Western Reserve University - Multi-Level Interventions to Reduce Oral Health Disparities among Adults	93.121		RES601559	(1,556)	-
Case Western Reserve University - Multi-Level Interventions to Reduce Oral Health Disparities among Adults	93.121		RES604577	20,924	-
Regents of the University of California - Los Angeles - Personalized Digital Behavior Change Interventions	93.121		1350 G LA770	124,036	-
Regents of the University of Michigan - Michigan-Pittsburgh-Wyss Regenerative Medicine Resource Center	93.121		SUBK00011418	292,477	-
The Forsyth Institute - Forsyth Training in Oral Health Research	93.121		HSDM026110-2785	192,162	-
Virginia Commonwealth University - Epigenetic Regulation of Periodontal Inflammation	93.121		FP00010440 SA003	10,939	-
Total for Assistance Listing Number 93.121				643,311	-
NYU Grossman School of Medicine - Social policies to prevent firearm assault	93.136		24-A0-00-1011918	5,763	-
Total for Assistance Listing Number 93.136				5,763	-
University of Rhode Island - Assessing the Contribution of Polyfluoroalkyl Precursors to Diverse PFAS Exposures	93.143		0009912/112822 Harvard	280,897	-
Total for Assistance Listing Number 93.143				280,897	-
Brigham and Women's Hospital, Inc - Network tools to Understand Sex- and Gender-Specific Drivers of Disease	93.172		125975	292,672	-
Brigham and Women's Hospital, Inc - Predicting the impact of genetic variants, genes and pathways on human disease	93.172		126094	246,564	-
California Institute of Technology - Alliance Central: A platform for sustainable development of next generation genome	93.172		5454486	(314,286)	-
California Institute of Technology - Alliance Central: A platform for sustainable development of next generation genome	93.172		5666992	217,656	-
Children's Hospital Boston - Providing ethical guidance for the development of individualized genomic medicine as rare	93.172		GENFD0002264202	6,420	-
Dana-Farber Cancer Institute - Integrative modelling of single-cell data to elucidate the genetic architecture of complex	93.172		1306701	8,301	-
Dana-Farber Cancer Institute - Integrative modelling of single-cell data to elucidate the genetic architecture of complex	93.172		1342501	62,028	-
The Broad Institute - A Foundational Resource of Functional Elements, TF footprints and Gene Regulatory Interactions	93.172		5001228-5500001653	308,456	-
The Feinstein Institute for Medical Research - Polygenic Embryo Screening: Towards Informed Decision-Making	93.172		AWD00001403-Harvard	60,960	-
UMass Chan Medical School - Predictive Modeling of the Functional and Phenotypic Impacts of Genetic Variants	93.172		SUB00000066	296,941	-
University of Utah - Calypso: a web software system supporting team-based, longitudinal genomic diagnostic care	93.172		10061038-02-HARV	181,182	-
Total for Assistance Listing Number 93.172				1,366,894	-
Brigham and Women's Hospital, Inc - Genetic Approach to Therapy for DFNA9	93.173		GR0129208-S01	78,453	-
Brigham and Women's Hospital, Inc - Immune dysregulation mechanisms of persistent post-COVID19 olfactory	93.173		131264	65,382	-
Duke University - Towards a molecular biology of human olfaction in health and disease	93.173		303004007	266,336	-
Massachusetts Eye and Ear Infirmary - Development of Gene Therapy for Hereditary Deafness using Rational Protein	93.173		GR0531049-S01	18,465	-
San Diego State University Research Foundation - The Association of Perinatal HIV Infection and Hearing Loss in Children	93.173		SA0000594	6,911	-
Total for Assistance Listing Number 93.173				435,547	-
COVID-19: Carnegie Mellon University - Delphi Influenza Forecasting Center of Excellence	93.185		1090610-425284	19,055	-
Total for Assistance Listing Number 93.185				19,055	-
Brigham and Women's Hospital, Inc - Contribution of phytochemicals to gut symbiont colonization and synthesis	93.213		120907	(2,312)	-
Total for Assistance Listing Number 93.213				(2,312)	-
Beth Israel Deaconess Medical Center - The Epidemiology of Diagnostic Error in Emergency Care in the United States	93.226		GRT65919	157,626	-
Brigham and Women's Hospital, Inc - Addressing Variability and Inequities via Systematic Evidence-based	93.226		131672	10,075	-

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Harvard Pilgrim Health Care - Decision Making Challenges and Needs for Health Insurance Exchange Enrollees	93.226		No Award Number	(980)	-
Harvard Pilgrim Health Care - Optimizing Choice of Health Insurance for Diabetes (OrCHID)	93.226		AH000972	55,855	-
Massachusetts General Hospital - Bridges to Primary Care: Transforming Postpartum to Primary Care Coordination	93.226		246375	63,489	-
Massachusetts General Hospital - Federally Qualified Health Centers and Care for Vulnerable Populations	93.226		231035	(1,217)	-
Massachusetts General Hospital - Medicare Advantage versus Traditional Medicare for Dual Eligible Beneficiaries	93.226		245915	29,817	-
Oregon Health and Science University - Private Equity Acquisitions in Primary Care: Effects on the Medicare Program	93.226		1023115HARVARD	88,526	-
Total for Assistance Listing Number 93.226				403,191	-
Beth Israel Deaconess Medical Center - Mechanisms of arousal in sleep apnea	93.233		GRT66519	124,550	-
Brigham and Women's Hospital, Inc - The role of irregular sleep schedules as a ubiquitous marker of chronic circadian	93.233		125756	61,016	-
Total for Assistance Listing Number 93.233				185,566	-
Arizona State University - Bidirectional effects between adolescent digital dating abuse dynamics and mental health	93.242		ASUB00001808	18,985	-
Baylor College of Medicine - Brainshare: Sharing Data in BRAIN Initiative Studies	93.242		P700000284	3,041	-
Baylor College of Medicine - Pediatric Deep Brain Stimulation: Neuroethics and Decision Making	93.242		7000001720	(645)	-
Baylor College of Medicine - Polygenic Risk Scores in Child and Adolescent Psychiatry: Ethical, Clinical, and Legal	93.242		P700000764	48,382	-
Boston Medical Center - Preventing Mental Disorders Among Women Internally Displaced by War in Ukraine	93.242		7095-HSPH-02A1	27,126	-
Bradley Hospital - What works for Whom in Pediatric OCD	93.242		712-7678	6,452	-
Cambridge Health Alliance - ALACRITY for Early Screening and Treatment of High Risk Youth (E-SToRY) - Methods Core	93.242		HMS 3354-Methods	35,506	-
Cambridge Health Alliance - ALACRITY for Early Screening and Treatment of High Risk Youth (eSToRY)	93.242		Pilot1-Year1	5,617	-
Cambridge Health Alliance - ALACRITY for Early Screening and Treatment of High Risk Youth (R34- 3) Understanding	93.242		HMS 3354-R34-3	13,863	-
Cambridge Health Alliance - Medicaid Value Based Payment Models and Healthcare Equity for Adults with Serious Mental	93.242		3304-NCE-HMS	9,124	-
Children's Hospital Boston - Molecular Codes for the Establishment of Functionally Segregated Dopaminergic Circuits	93.242		GENFD0002354043	320,998	-
Children's Hospital Boston - Neural-immune mechanisms and synaptic connectivity in psychiatric illness	93.242		GENFD0002315408	399,039	-
CIDACS-Centro de Integração de Dados e Conhecimentos para Saúde - Using a 115 million individuals' cohort to identify	93.242		4600009620	70,383	-
Dimagi, Inc - A novel digital platform for measurement-based peer supervision of non-specialist providers conducting	93.242		5R44MH130305-03	36,782	-
Georgia Institute of Technology/Georgia Tech Research Corporation - Modularly built, complete, coordinate-	93.242		AWD-003314-G1	160,934	-
Harvard Pilgrim Health Care - The role of sex in genetic association studies of depression	93.242		PH000857A	26,208	-
Icahn School of Medicine at Mount Sinai - Neural circuit mechanisms of affective probabilistic learning	93.242		IF300351543-940002	39,330	-
London School of Hygiene and Tropical Medicine - Implementation of evidence based facility and community	93.242		2006-0816EPH - EPPHZT42	61,978	-
Massachusetts General Hospital - 2/7 PsycheMERGE: Advancing Precision Psychiatry	93.242		246131	127,042	-
Massachusetts General Hospital - Cellular models of fetal neurodevelopment in maternal SARS-CoV-2 infection	93.242		242014	256,752	-
Massachusetts General Hospital - Center for Suicide Research and Prevention	93.242		243979	339,721	-
Massachusetts General Hospital - CSRP - Administrative Core	93.242		243978	219,595	-
Massachusetts General Hospital - Data-driven subtyping in major depressive disorder	93.242		GR0238763-S01	482,328	-
Massachusetts General Hospital - Effectiveness and Implementation of a Clinician Decision Support System to Prevent	93.242		243980	226,581	-
Massachusetts General Hospital - Fostering diversity in the next generation of HIV researchers to improve the HIV	93.242		237315	126,912	-
Massachusetts General Hospital - JASPer-MH: Jointly Assessed Scalable Phenotypes for Mental Health	93.242		GR0245564-S01	175,406	-
Massachusetts General Hospital - SIG - Effectiveness and Implementation of a Clinician Decision Support System	93.242		243980	222,737	-
Massachusetts Institute of Technology - Multiplexed Nanoscale Protein Mapping Through Expansion Microscopy	93.242		55212	6,363	-
Michigan State University - Genetic Influences on Infant Brain Development: Understanding the Developmental Origins	93.242		RC112665F	29,415	-
National Institute of Psychiatry Ramon de la Fuente Muniz - Computerized detection and internet-based treatment	93.242		150285	258,332	-
NeuroNexus Technologies, Inc. - Advanced culture and recording system for long-term electrophysiological profiling	93.242		NNX-SBIR-HU-2025-001	44,748	-
Rand Corporation - Addressing Gaps in the Evidence to Improve Quality, Equity, and Value of Serious Mental Illness Care	93.242		SCON-00000684	134,855	-
Regents of the University of California - Los Angeles - Integrating case-control transcriptomic and genetic data in admixed	93.242		20000000115630	131,240	-
Regents of the University of California - San Diego - Psychiatric Genomics Consortium for PTSD	93.242		123557538	(1,560)	-
Regents of the University of Michigan - Development of a scalable strategy for reconstructing cell-type determined	93.242		SUBK00012615	(121)	-
Regents of the University of Minnesota - Improving Recruitment, Engagement, and Access for Community Health Equity	93.242		P011520701	17,440	-
Stanford University - Sex hormones and post-traumatic stress disorder (PTSD)	93.242		62477243-141397	55,315	-
The Broad Institute - 1/4 Powering Genetic Discovery for Severe Mental Illness in Latin American and African Ancestries	93.242		876-5500002925	155,604	-
The Broad Institute - Genetics of PTSD in African Ancestry Populations: Enhancing discovery by addressing inequality	93.242		5002032-5500002017	315,283	-
The Broad Institute - Psychosis Genetics Research in Africa: Building Capacity by Investing in People	93.242		5000705-5500001338	(1,553)	-
The Broad Institute - Statistical methods to localize disease heritability and identify biological mechanisms	93.242		5001956-5500002041	146,372	-
The Broad Institute - Systematic identification of enhancers to target the breadth of excitatory and inhibitory neuronal cell	93.242		5001628-5500001841	988,368	-
The McLean Hospital Corporation - Dysregulation of Appetitive and Aversive Amygdala Circuits in Bipolar Disorder	93.242		401677	197,634	-
The McLean Hospital Corporation - Laboratory for Early Psychosis Research (LEAP) - Methods Core	93.242		402064	70,526	-
The McLean Hospital Corporation - Laboratory for Early Psychosis Research (LEAP) - Signature Project 1 - Randomized	93.242		GR0402065	18,640	-

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The McLean Hospital Corporation - Laboratory for Early Psychosis Research (LEAP) – Admin Core	93.242		402063	11,303	-
The McLean Hospital Corporation - Laboratory for Early Psychosis Research (LEAP) – Exploratory Project 1 - Comparative	93.242		402066	155,354	-
The McLean Hospital Corporation - Predicting the onset of depression in at-risk adolescents from endophenotype profiles	93.242		401500	44,745	-
Trustees of Boston University - SCH: INT: Collaborative Research: Passive sensing of social isolation and loneliness	93.242		4500003257	25,266	-
University of Maryland, Baltimore - Internal Dynamics of the Postsynaptic Density	93.242		18863	36,065	-
University of North Carolina at Chapel Hill - Adolescent Girls' Risk for Suicide Across the Menstrual Cycle	93.242		5117205	59,855	-
University of North Carolina at Chapel Hill - PRIMARY CILIA: A SIGNALING GATEWAY TO NEURAL MODULATION	93.242		5125724	397,174	-
University of Washington - TB PrEP – Integrating HIV prevention with TB household contact evaluation	93.242		UWSC15951	48,311	-
Yale University - Biopsychosocial mechanisms underlying internalizing psychopathology in a prospective,	93.242		CON-80003007 (GR112951)	82,506	-
Total for Assistance Listing Number 93.242				6,887,657	-
Yale University - Deep Phenotyping of Heavy Drinking in Young Adults with Behavioral Scales, Neuropsychological Tasks,	93.273		CON-80004335 (GR119583)	88,856	-
Total for Assistance Listing Number 93.273				88,856	-
Arizona State University - Unpacking Disparities in Opioid Use Disorder Treatment Quality	93.279		ASUB00001227	186,779	-
Boston Medical Center - Substance Use Prevention for Recently displaced Adults (SUPRA)	93.279		7305-HSPH-01	84,253	-
Brandeis University - Center to Improve System Performance for Substance Use Disorder Treatment	93.279		GR404874 HMS	70,940	-
Brandeis University - Center to Improve System Performance for Substance Use Disorder Treatment - Policy Core	93.279		GR404876 HMS	123,273	-
Brandeis University - Center to Improve System Performance for Substance Use Disorder Treatment -Pilot Core	93.279		GR404877 HMS	60,501	-
Brandeis University - Center to Improve System Performance for Substance Use Disorder Treatment- Research Core	93.279		GR404875 HMS	218,008	-
Brigham and Women's Hospital, Inc - The Comparative Effectiveness and Safety of Pharmacotherapies for the Treatment	93.279		131725	7,054	-
Duke University - High resolution 3D tracking of social behaviors for deep phenotypic analysis	93.279		303-004068	169,833	-
Emory University - Development and validation of a porcine model of spinal cord injury-induced neuropathic pain	93.279		A942850	81,762	-
Regents of the University of California - San Diego - The Healthy Brain and Child Development (HBCD) National	93.279		707089	22,269	-
Regents of the University of Michigan - Methodologies for Adapting and Personalizing Prevention, Treatment	93.279		SUBK00013920	437,100	-
Stanford University - The Use of Novel Linked Databases to Reduce Postoperative Opioid Use Among Patients Undergoing	93.279		63492507-287187	2,867	-
Trustees of Dartmouth College - Stemming the Tide: The Role of Payment and Delivery System Reform in Combating	93.279		R1468	53,674	-
University of Pittsburgh - Regulation of Dopamine Transporter by Trafficking	93.279		AWD00007893 (139474-2)	21,421	-
Yale University - Clinical Trials Network New England Consortium Node: Admin Supplement: Post-Surgical Outcomes	93.279		CON-80005069 (GR123758)	19,107	-
Total for Assistance Listing Number 93.279				1,558,841	-
Brigham and Women's Hospital, Inc - Optimization of ultrasound-mediated drug delivery to the brain under clinically	93.286		127834	34,445	-
Massachusetts General Hospital - Vascularized kidney organoids on chip for efficacy and toxicity testing of somatic	93.286		238776	1,435	-
The University of Memphis - mHealth Center for Discovery, Optimization and Translation of Temporally-Precise	93.286		A21-0019-S006-A07	167,019	-
Trustees of Boston University - NeuroTech Harbor: Our nation's first equitech ecosystem for neuromedical technologies	93.286		4500004990	717,842	-
Total for Assistance Listing Number 93.286				920,741	-
Boston Public Health Commission - Boston REACH	93.304		FY24026369	103,301	-
Total for Assistance Listing Number 93.304				103,301	-
Boston College - Targeting Health Disparities through Housing Redevelopment: A Natural Experiment of Housing Quality,	93.307		5111871-2	58,530	-
Brigham and Women's Hospital, Inc - Multi-level intervention to promote healthy beverage choices among Navajo families	93.307		129979	36,075	-
Harvard Pilgrim Health Care - Sexual orientation-related disparities in obstetrical and perinatal health	93.307		AH0000827	44,091	-
Massachusetts General Hospital - Racial disparities in police use of deadly force as a cause of racial disparities in sleep	93.307		236743	14,946	-
Massachusetts General Hospital - The Transition from Medicaid to Medicare and Impacts on Disparities in Coverage	93.307		GR0240768	39,134	-
New York University - The Impact of Discrimination on Anthropometric Outcomes: An Analysis of the Adolescent Brain	93.307		F2689-01	4,186	-
OCHIN, Inc. - Community Catalyst: ClimATe heALTH equiTY reSearch cenTer (CATALYST)	93.307		713HMS	6,327	-
Regents of the University of California - Irvine - Sleep and health disparities among Asian Americans: roles of stressors	93.307		2021-1498	32,481	-
Regents of the University of California - Los Angeles - The Impact of Surgeon Factors and Education/Training on Disparities	93.307		15570000155197	50,967	-
Regents of the University of Minnesota - Mining minority enriched AllofUs data for innovative ethnic specific risk	93.307		N010695301	33,959	-
Stanford University - Implementing a scalable, pATient-centered Team based-intervention for adults with type 2 diabetes	93.307		63330370-239604	308,957	-
Tufts University - Social Stressors, Epigenetics and Health Status in Underrepresented Minorities	93.307		PO-EP0226726	169,630	-
University of South Florida - Epigenomic Predictors of PTSD and Traumatic Stress in an African American Cohort	93.307		6408-1149-00-A	59,741	-
University of Texas - Arlington - Train and EMPOWER A Community Health workforce to achieve equity and reduce	93.307		2022GC0668	188,874	-
University of Washington - Sexual Assault Recovery Among Sexual Minority Women: A Longitudinal, Multi-Level Study	93.307		UWSC14718	20,277	-
Yale University - Air Pollution, Heat, Cold, and Health: Disparities in the Rural South	93.307		CON-80004083 (GR117950)	308,198	-
Total for Assistance Listing Number 93.307				1,376,373	-
Baylor College of Medicine - Ethical and Human Factors Impacting Successful Translation of Perceptual Computing	93.310		P700000337	13,176	-
Brigham and Women's Hospital, Inc - Image Data Commons (IDC) and Laboratory of Systems Pharmacology (LSP)	93.310		GR1000848-S01	98,682	-
Carnegie Mellon University - Multiscale Analyses of 4D Nucleome Structure and Function by Comprehensive Multimodal	93.310		1090785 - 437142	273,197	-

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Children's Hospital Boston - Development of an efficient high throughput technique for the identification of high-impact	93.310		GENFD0002400406	73,496	-
COVID-19: Massachusetts General Hospital - Interactive Data Portals and Robust Analytic Tools to Wrap PASC Cohorts	93.310		239079	87,204	-
COVID-19: Massachusetts General Hospital - Interactive Data Portals and Robust Analytic Tools to Wrap PASC Cohorts	93.310		239079	544,771	-
Harvard Pilgrim Health Care - Common and distinct early environmental influences on cardiometabolic and respiratory	93.310		PH000615G	38,032	-
Harvard Pilgrim Health Care - Neighborhoods and health across the life course: Early life inequities in food security, diet	93.310		PH000973A	80,431	-
Icahn School of Medicine at Mount Sinai - Mount Sinai ECHO site for Perinatal Environment and Development Studies	93.310		0255-1414-4609	47,766	-
Massachusetts General Hospital - Deciphering Neuronal Control of Behavioral Initiation and Suppression	93.310		GR0244145-S01	23,364	-
Regents of the University of California - Irvine - Making antibody generation rapid, scalable, and democratic	93.310		2020-1392	1,176,607	-
Stanford University - Comparing transcriptional and protein-based approaches in 3D tissue atlasing	93.310		63541367-248018	227,801	-
UC San Diego School of Medicine - Center for Integrated Multi-modal and Multi-scale Nucleome Research	93.310		704,234	277,987	-
UMass Chan Medical School - Center for 3D Structure and Physics of the Genome	93.310		OSP33133-01	157,515	-
University of California, San Diego - Center for Integrated Multi-modal and Multi-scale Nucleome Research	93.310		704233	82,351	-
University of North Texas Health Science Center - Infrastructure 1 and Research Fellowship Administration	93.310		RF00250-SUB00067	3,063,714	296,226
University of Pittsburgh - Cellular Senescence Network (SenNet) Consortium Organization and Data Coordinating Center	93.310		AWD00004814 (139412-5)	274,252	-
Total for Assistance Listing Number 93.310				6,540,346	296,226
Brigham and Women's Hospital, Inc - Kidney Microphysiological Analysis Platforms (MAP) to Optimize Function and Model	93.350		122148	8,365	-
Children's Hospital Boston - Instrumenting the Delivery System for a Genomics Research Information Commons	93.350		GENFD0002338182	149,569	-
Children's Hospital Boston - Tissue chips for precision treatment of catecholaminergic polymorphic ventricular tachycardia	93.350		GENFD0002321554	38,379	-
University of Pittsburgh - ENACT: Translating Health Informatics Tools to Research and Clinical Decision Making	93.350		AWD00006171 (139773-6)	367,222	-
Total for Assistance Listing Number 93.350				563,535	-
Beckman Research Institute of City of Hope - Technology-Enabled Activation of Skin Cancer Screening for Hematopoietic	93.353		62014.2008301.669301	83,731	-
Dana-Farber Cancer Institute - Developing a pragmatic guide to implementing social risk referrals	93.353		1330760	98,462	31,400
Dana-Farber Cancer Institute - The Cellular Geography of Therapeutic Resistance in Cancer	93.353		1331601	3,290	-
Oregon Health and Science University - Omic and Multidimensional Spatial Atlas of Metastatic Breast and Prostate Cancers	93.353		1013337-01 HARVARD	66,877	-
Total for Assistance Listing Number 93.353				252,360	31,400
Beth Israel Deaconess Medical Center - Leveraging SNAP Policies to Improve the Cardiovascular Health of Low-Income	93.361		GRT66759	44,426	-
Boston College - Leveraging community behavioral health services to increase vaccine uptake in Latinx adults with poor	93.361		5113571-3	60,466	-
Harvard Pilgrim Health Care - Impact of the expiration of temporary pandemic SNAP benefits on the healthfulness	93.361		PH001010A	84,843	-
University of Alabama at Birmingham - Housing, Environment, and Living Conditions for Transformed Health	93.361		000544140-SC001	45,118	-
Washington University School of Medicine - Rural-Urban Disparities in Spillover Effects of COVID-19	93.361		WU-24-0584-MOD-2	31,183	-
Total for Assistance Listing Number 93.361				266,036	-
Atila Biosystems - PROGRESS: Honduras	93.393		2023-R44-1	44,856	-
Baylor College of Medicine - Integrative Analysis of Lung Cancer Etiology and Risk	93.393		700000128	(2,442)	-
Baylor College of Medicine - Integrative Analysis of Lung Cancer Etiology and Risk	93.393		P700000722	54,737	-
Baylor College of Medicine - Integrative Analysis of Lung Cancer Etiology and Risk	93.393		P700000816	8,512	-
Brigham and Women's Hospital, Inc - Comprehensive characterization of prostate stromal gene expression	93.393		129354	13,478	-
Brigham and Women's Hospital, Inc - Decoding mechanisms underlying metabolic dysregulation in obesity and digestive	93.393		127984	160,843	-
Brigham and Women's Hospital, Inc - Increasing Engagement in Patient Reported Outcome Measurement to Address	93.393		129988	23,153	-
Brigham and Women's Hospital, Inc - Methodologic Innovations in Cancer Epidemiology	93.393		GR0128787-S01	72,089	-
Brigham and Women's Hospital, Inc - New Epidemiologic Methods for Reducing Measurement Error and Misclassification	93.393		129899	279,565	-
Columbia University - Comparative modeling of gastric cancer disparities and prevention in the US and globally	93.393		5-GG015389-04	68,176	-
Dana-Farber Cancer Institute - A functional genomic approach to identification and interpretation of germline-tumor	93.393		1201305	6,687	-
Dana-Farber Cancer Institute - A Multi-Level Examination of the Influences of Racism On Cancer Pain Equity	93.393		1337502	110,366	-
Dana-Farber Cancer Institute - Adapting and evaluating a brief advice tobacco intervention in high-reach, low-resource	93.393		1311505	69,199	-
David Geffen School of Medicine at UCLA - Real-world effectiveness of HPV vaccine in women living with HIV	93.393		16570000090454	39,250	-
Duke University - Structural Racism and Biological Embodiment of Risk in Breast Cancer Mortality	93.393		303001543	63,814	-
Health Research, Inc. - Consortium on Methods Evaluating Tobacco (COMET): Filter Ventilation and Product Standards	93.393		289-01	15,007	-
Johns Hopkins University - BCRP : Multifactorial breast cancer risk prediction accounting for ethnic and tumor diversity	93.393		2006190715	107,608	-
Lawrence Berkeley National Lab - Structural Cell Biology of DNA Repair Machines	93.393		7615189	64,078	-
Massachusetts General Hospital - Etiologic heterogeneity between molecular subtypes of prostate cancer	93.393		243762-S01	280,468	-
Memorial Sloan Kettering Cancer Center - Examining the effects of Global Budget Revenue Program on the Costs	93.393		C22768438	57,792	-
Memorial Sloan Kettering Cancer Center - The Impact of DNA Damage Repair Abnormalities in Prostate Cancer	93.393		C22683345	130,128	-
Old Dominion University Research Foundation - Using Differences in Perceived Legitimacy and Resident Compliance	93.393		25-120-101040-010	42,569	-
Regents of the University of Michigan - Detecting Racial Disparities in Cancer Survival by Integrating Multiple High-	93.393		SUBK00018559	30,378	-

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Federal Grantor/Pass-through Grantor/Program or Cluster Title	Assistance Listing Number	Award Number	Pass-through Entity Identification Number	Federal Expenditures	Passed to Sub-Recipients
Regents of the University of Michigan - New Statistical Methods for Modelling Cancer Outcomes	93.393		SUBK00012669	12,376	-
Regents of the University of Michigan - New Statistical Methods for Modelling Cancer Outcomes	93.393		SUBK00022483	3,899	-
Regents of the University of Minnesota - Role of RBBP4/p300 in recovery from therapy induced DNA damage	93.393		P010011201	28,744	-
Research Foundation of the City University of New York - Exploiting public metagenomic data to uncover cancer-	93.393		CM00015644-00	52,052	-
St Jude Children's Research Hospital Inc - The Function of Snf5 (SMARCB1), an Epigenetic Tumor Suppressor	93.393		GR-0002450-PO8134539	41,708	-
University of Pennsylvania - PROJECT RESIST: Increasing Resistance to Tobacco Marketing Among Young Adult Sexual	93.393		580371	111,796	-
University of Southern California - Increasing Access to Genetic Testing in Underserved Patients Using a Multilingual	93.393		SCON-00003706	198,159	-
University of Southern California - Leveraging Diversity in Cancer Epidemiology Cohorts and Novel Methods	93.393		SCON-00002171	160,960	-
University of Washington - Leveraging cross-cancer shared heritability to better understand the genetic architecture	93.393		UWSC11959	3,141	-
Weill Medical College of Cornell University - Prediagnostic exposures, germline genetics, and triple negative breast cancer	93.393		245717-4	43,286	-
Yale University - Helicobacter Infection and Liver Cancer Risk among African Americans and Whites in the United States	93.393		CON-80005545 (GR126633)	50,227	-
Yale University - Perfluoroalkyl Substances (PFASs) and Liver Cancer Risk in the United States	93.393		CON-80005529 (GR126672)	57,139	-
Total for Assistance Listing Number 93.393				2,503,798	-
Brigham and Women's Hospital, Inc - Polygenic risk stratification combined with MRI for early detection of clinically	93.394		GR0128885-501	105,100	-
COVID-19: Stanford University - Mechanisms and Duration of Immunity to SARS-CoV-2	93.394		63417814-198537	4,020	-
Total for Assistance Listing Number 93.394				109,120	-
Baylor College of Medicine - Intratumoral microbiota and immune predictors of response to immunotherapy in lung	93.395		P700001260	59,501	-
Brigham and Women's Hospital, Inc - Evaluation of an implantable microdevice for rapid cancer drug screening	93.395		123466	203,011	-
Brigham and Women's Hospital, Inc - Project 2: Combining Immune Checkpoint Blockade with T cell Activation	93.395		GR0124415-502	132,015	-
Dana-Farber Cancer Institute - Leveraging Novel Randomized Clinical Trials of Vitamin D Supplementation in Patients	93.395		1327903	138,464	-
Massachusetts General Hospital - Identification of Covalent Transcriptional Dependencies in Melanoma	93.395		245819	95,542	-
Stanford University - CDK7 R01: Targeting CDK7 in CCNE1-amplified Ovarian Cancer	93.395		62839397-221674	226,721	-
Vanderbilt University - The XPA scaffold protein in Nucleotide Excision Repair	93.395		OSA00000312	60,722	-
Total for Assistance Listing Number 93.395				915,976	-
Beth Israel Deaconess Medical Center - Mechanisms promoting copper dependent cell death in cancer	93.396		GRT66546	146,405	-
Brigham and Women's Hospital, Inc - Identifying new therapeutic avenues to selectively target tumors with uncontrolled	93.396		129819	159,243	-
Brigham and Women's Hospital, Inc - Molecular Pathogenesis of the Hamartoma Syndromes P01 Project 1	93.396		GR0129819-501	275,655	-
Massachusetts General Hospital - Designer EcN for treatment of solid tumors	93.396		240531	27,558	-
Massachusetts General Hospital - Prebiotic effect of eicosapentaenoic acid treatment for colorectal cancer	93.396		236707	(497)	-
Massachusetts General Hospital - Reverse transcriptase inhibitor effects on the mobilome of colon cancer	93.396		234829	3,698	-
Memorial Sloan Kettering Cancer Center - The cBioPortal for Cancer Genomics	93.396		PO C22701868	129,923	-
Sage Bionetworks - Multi-Consortia Coordinating Center (MC2 Center) for Cancer Biology: Building Interdisciplinary	93.396		2022.7	158,764	-
Salk Institute for Biological Studies - Mitochondrial Heterogeneity in Melanoma Tumor and Immune Responses	93.396		A18-0061-5003	41,447	-
University of Pittsburgh - Pathogenesis of Cancer - Role of EGF Receptor Endocytosis	93.396		AWD00001291 (133630-1)	12,819	-
University of Texas Southwestern Medical Center - Imaging mechanisms of metastatic colonization in situ.	93.396		GMO221201 P0000002520C	178,641	-
Total for Assistance Listing Number 93.396				1,133,656	-
Dana-Farber Cancer Institute - 2/2 The UMB-DF/HCC U54 Comprehensive Partnership for Cancer Disparities Research	93.397		1217813	63,093	-
Dana-Farber Cancer Institute - Advancing research methods to better understand health literacy and health equity	93.397		1306314	68,033	-
Dana-Farber Cancer Institute - Cancer Center Support Grant	93.397		HSPH-60	305,603	-
Dana-Farber Cancer Institute - Dana-Farber/Harvard Cancer Center Ovarian Cancer SPORE Grant	93.397		1316305	143,726	-
Dana-Farber Cancer Institute - Dana-Farber/Harvard Cancer Center Support Grant	93.397		HMS-60	760,975	-
Dana-Farber Cancer Institute - DF/HCC Prostate SPORE: Career Enhancement Program	93.397		1334602	21,900	-
Dana-Farber Cancer Institute - DF/HCC Prostate SPORE: Project 3: Dissecting and Predicting Lethal Prostate Cancer	93.397		1334502	21,900	-
Dana-Farber Cancer Institute - DF/HCC SPORE in Gastrointestinal Cancer	93.397		1132415	(6,357)	-
Dana-Farber Cancer Institute - Integrating electronic health record data with deep learning computational pathology	93.397		1337561	93,303	-
Dana-Farber/Harvard Cancer Center - Elucidating the Molecular Basis of SETD2 Mutations in Clear Cell Renal Cell	93.397		No Award Number	26,451	-
Dana-Farber/Harvard Cancer Center - Evaluating Genetic Ancestry vs. self-reported race in outcomes in men	93.397		1334702	35,028	-
Dana-Farber/Harvard Cancer Center - Integrating electronic health record data with deep learning computational	93.397		1337560	102,968	-
Total for Assistance Listing Number 93.397				1,636,623	-
Massachusetts General Hospital - NIH/NCI K12 Training Program in Nervous System Tumors	93.398		239715	41,694	-
Total for Assistance Listing Number 93.398				41,694	-
COVID-19: Stanford University - COVID-19 Policy Modeling and Forecasting for Public Health Decision Making	93.421		63301090-306582	10,094	-
Total for Assistance Listing Number 93.421				10,094	-
Syracuse University - Employment Policy Research and Resource Center (EPRRC)	93.433		31838-05703-501	160,928	-
The Spaulding Rehabilitation Hospital Corporation - Spaulding-Harvard Traumatic Brain Injury Model System	93.433		500723	4,360	-

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Total for Assistance Listing Number 93.433				165,288	-
COVID-19: Boston Public Health Commission - Community Health Workers for Covid Response and Resilient Communities	93.495		FY23024260	20,792	-
Total for Assistance Listing Number 93.495				20,792	-
Massachusetts General Hospital - MA/Region 1 Partnership for Regional Health Disaster Response	93.817		241937	8,888	-
Total for Assistance Listing Number 93.817				8,888	-
Beth Israel Deaconess Medical Center - Cardiovascular Health of Low-Income Working-Age Adults in the US	93.837		1064410	24,068	-
Beth Israel Deaconess Medical Center - Leveraging Large Linked Datasets and Novel Analytic Methods to Understand	93.837		GRT66669	19,007	-
Beth Israel Deaconess Medical Center - Strategies to Improve the Cardiovascular Health of Rural Working-Age Adults	93.837		GRT66855	4,835	-
Beth Israel Deaconess Medical Center - Use of Registries, Claims and Health System Data to Enhance the Evaluation	93.837		GRT65832	128,738	-
Brigham and Women's Hospital, Inc - Leveraging machine learning for cardiovascular disease risk prediction	93.837		130376	48,110	-
Brigham and Women's Hospital, Inc - Risk Factors of CVD in Women	93.837		120938	(2,844)	-
Brigham and Women's Hospital, Inc - Targeted immune therapies in heart transplantation	93.837		128575	13,873	-
Brigham and Women's Hospital, Inc - Using Metabolomics to Understand CVD Risk in Women with a History of Preterm	93.837		125858	(77,781)	-
Children's Hospital Boston - Computational Prioritization of Coding and Non-Coding Variants in Congenital Heart Disease	93.837		GENFD0002243723	95	-
Children's Hospital Boston - Exploring the relationship between advanced multimodal brain MRI phenotypes, genes	93.837		GENFD0002346786	106,822	-
Children's Hospital Boston - Pathogenesis of Dyslipidemia and Atherosclerosis in the Diabetic State	93.837		GENFD0002257447	45,160	-
Cincinnati Children's Hospital Medical Center - Administrative Coordinating Center: Bench to Bassinet Program	93.837		OS00000883/313945	4,984	-
Fox Chase Cancer Center - Asian American Community Cohort and Equity Study (ACCESS)	93.837		1521000	69,803	-
Johns Hopkins University - Genomics of Post-op Atrial Fibrillation After Cardiac Surgery	93.837		2006566147	92,266	-
Lawrence Berkeley National Lab - In vivo Characterization of Regulatory Variant Pathogenicity in Congenital Heart Disease	93.837		7631203	347,916	-
Massachusetts General Hospital - 1/2 REPRIEVE Extension for Trial Completion	93.837		245827	407,226	-
Massachusetts General Hospital - 2/2 REPRIEVE Extension for Trial Completion	93.837		243180	135,145	-
Massachusetts General Hospital - Clonal hematopoiesis of indeterminate potential and HIV in the REPRIEVE trial	93.837		237407	487	-
Massachusetts General Hospital - Effectiveness of Therapies for Heart Failure with Mid-Range Ejection Fraction	93.837		GR0246437-S01	23,568	-
Massachusetts General Hospital - Enhancing cardiovascular risk prediction in HIV using novel factors in the REPRIEVE trial	93.837		GR0245152-S01	86,014	-
Massachusetts General Hospital - Hematopoiesis in Cardiovascular Disease - Admin Core	93.837		235092	1,679	-
Massachusetts General Hospital - Hematopoiesis in Cardiovascular Disease - Admin Core	93.837		GR1000428-S01	8,393	-
Massachusetts General Hospital - Hematopoiesis in Cardiovascular Disease - Project 4	93.837		235112	(8,866)	-
Massachusetts General Hospital - Reducing Arterial Inflammation and Improving Metabolic Health by Dual CCR2 and CCR5	93.837		237424	109,155	-
Massachusetts General Hospital - Whole genome sequences in ethnically diverse individuals to comprehensively	93.837		245984	85,110	-
Regents of the University of California - Davis - Built Environment Assessment through Computer vision (BEACON)	93.837		A25-1444-S003	46,946	-
Regents of the University of California, San Francisco - Predicting and preventing drug metabolism by the human gut	93.837		13030sc	40,774	-
Regents of the University of Michigan - ADAPT: Enabling robust adaptation in mHealth interventions	93.837		SUBK00019266	194,028	-
Stanford University - Mentoring in Translational Research to Prevent Disparities in Childhood Obesity and Cardiometabolic	93.837		63302064-281664	6,607	-
Swarthmore College - Signal-dependent regulation of cardiac progenitor cell proliferation	93.837		202502	5,792	-
The Broad Institute - Cardiovascular disease, metabolic syndrome, microbes and metabolites in FHS	93.837		5001356-5500001682	283,712	-
Tufts University - Cost-Effectiveness of Food is Medicine Interventions to Improve Diet and Reduce Cardiometabolic	93.837		EP0248692	48,473	-
Tufts University - Cost-Effectiveness of Health System and State-Level Strategies to Improve Diet and Reduce	93.837		103493-00001:NH0001	1,080	-
University of Florida - Bayesian machine learning for complex missing data and causal inference with a focus	93.837		SUB00003698	20,902	-
University of Massachusetts - Amherst - Flexible bioelectronics platform converging capillary-like delivery network	93.837		018667-9373	165,324	-
University of North Carolina at Chapel Hill - BDC Workplan 4.0 New Development PIC-SURE	93.837		5127406	255,085	-
University of North Carolina System - BioData Catalyst WP4.0 Maintenance and Operations (4.0 M and O)	93.837		5133587	1,646,801	-
Washington University School of Medicine - The Impact of Bundled Payments for Cardiopulmonary Disease	93.837		WU-20-85-MOD-6REVISED	78,769	-
Total for Assistance Listing Number 93.837				4,467,256	-
Brigham and Women's Hospital, Inc - Better Utilization of omics data to inform precision medicine for asthma	93.838		GR0130730-S01	172,138	-
Brigham and Women's Hospital, Inc - Clinical Genetics and Screening for Pulmonary Fibrosis	93.838		GR0126503-S04	36,946	-
Brigham and Women's Hospital, Inc - Traffic-Related Ultrafine Particles Disrupt The Resolution Of Lung Inflammation	93.838		130220	96,482	-
Icahn School of Medicine at Mount Sinai - Associations among maternal lifetime psychosocial stress, prenatal systemic	93.838		0255-H741-4609	28,499	-
Northwestern University - The American Lung Association Lung Health Cohort	93.838		60053561 Harvard	84,878	-
Regents of the University of California - San Diego - Genomics and Pharmacogenomics of Symptoms in Asthma	93.838		705129	184,523	-
Stanford University - Integrating Acute and Ambulatory Care with Post-Discharge Monitoring and Machine Learning	93.838		63539355-301951	338,883	-
University of North Carolina at Chapel Hill - RECOVER BDC Data Gateway (RBDG)	93.838		5127490	409,320	-
Weill Medical College of Cornell University - Distinct and Overlapping Pathways of Fibrosis and Emphysema in Cigarette	93.838		241083-6	45,406	-
Total for Assistance Listing Number 93.838				1,397,075	-
Massachusetts General Hospital - Core A (Harvard): Functional consequences of stem and progenitor cell heterogeneity	93.839		243214	317,970	-

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Total for Assistance Listing Number 93.839				317,970	-
Brigham and Women's Hospital, Inc - Acid-Base Status as a Novel Risk Factor for Fractures	93.846		GR0121220-S01	38,513	-
Brigham and Women's Hospital, Inc - Biochemical Determinants of Chemokine Receptor Signaling	93.846		131262	16,975	-
Brigham and Women's Hospital, Inc - Bridging clinical trial and real-world data via machine learning to advance	93.846		127414	108,228	-
Brigham and Women's Hospital, Inc - Optimizing the value of pain management in knee OA patients with comorbidities	93.846		GR0130728-S01	40,683	-
Brigham and Women's Hospital, Inc - VERITY: Value and Evidence in Rheumatology using bioinformatics	93.846		128094	46,859	-
Children's Hospital Boston - Cfp1 Action in Cartilage Development	93.846		GENFD0002499965	18,801	-
Children's Hospital Boston - Defining the human articular chondrocyte lineage	93.846		GENFD0002328849	12,193	-
Massachusetts General Hospital - Investigating the direct reprogramming of fibroblasts into skeletal muscle progenitors	93.846		237246	73,562	-
Massachusetts General Hospital - Novel Metabolite and Microbiota Pathways for Hyperuricemia and Gout	93.846		240923	117,670	-
Massachusetts General Hospital - Project 2: The role of the osteocyte in responses to osteoporosis anabolic treatment	93.846		242716	520,615	-
Massachusetts General Hospital - Regulation of Axin2-expressing cells in the adult tendon	93.846		GR0241147-S01	1,287	-
Massachusetts General Hospital - Stem cells and committed muscle cells reprogram in heterotopic ossification dependent	93.846		235440	(734)	-
Trustees of Boston University - Boston University CCCR	93.846		4500005010	19,773	-
Trustees of Boston University - Sustained Release Relaxin-2 for the Treatment of Frozen Shoulder	93.846		4500004416	168,860	-
Trustees of Boston University - The Conundrum of Absentee Receptors: Efficacy Potentiation Through Drug-Receptor	93.846		4500004646	145,223	-
Total for Assistance Listing Number 93.846				1,328,508	-
Augusta University - A scalable method to discover kidney-homing secreted proteins	93.847		36350-30	37,857	-
Augusta University - Treatment of hyperphosphatemia using therapeutic bubble tea	93.847		36350-28	101,502	-
Beth Israel Deaconess Medical Center - A liver-specific mitochondrial carrier that controls energy homeostasis	93.847		GRT66713	11,278	-
Beth Israel Deaconess Medical Center - Leveraging the Rich Genetic Diversity of Vagal Motor Neurons to Decode	93.847		1061842	(1)	-
Beth Israel Deaconess Medical Center - Regulation and Requirements for Coenzyme A Biosynthesis	93.847		GRT66868	69,267	-
Beth Israel Deaconess Medical Center - Use of modified mRNA for the treatment of diabetic foot ulceration	93.847		GRT66461	156,559	-
Brigham and Women's Hospital, Inc - A microbiome-dependent bile acid metabolite improves type 2 diabetes	93.847		124675	280,709	-
Brigham and Women's Hospital, Inc - Health effects of substituting sugar-sweetened beverages with non-caloric beverage	93.847		123666	(247)	-
Brigham and Women's Hospital, Inc - Novel approaches to improve comparative effectiveness research of medical	93.847		GR0130656-S01	46,692	-
Brigham and Women's Hospital, Inc - Regulation of cytotogenesis	93.847		126981	29,317	-
Buck Institute for Research on Aging - The B Cell Insulin Receptor in Health and in Insulin Resistance	93.847		SA48002-HU	42,090	-
Children's Hospital Boston - Hepatic Insulin Resistance Integrates T2D and NAFLD	93.847		GENFD0002619395	28,544	-
Children's Hospital Boston - Integrated Epithelial and Muscosal Biology	93.847		GENFD0002063534	(2,852)	-
Children's Hospital Boston - Integrated Epithelial and Muscosal Biology (Eliminating C. difficile from microbiota	93.847		GENFD0002570164	16,759	-
Children's Hospital Boston - Mechanism of action for the epithelial-specific ER stress sensor IRE1 β in regulating intestinal	93.847		GENFD0002381095	24,233	-
Duke University - Duke: Microbial regulation of intestinal lipid metabolism and its physiological consequences	93.847		303000251	81,282	-
Harvard Pilgrim Health Care - Label to Table: New Insights into Supermarket Food Labeling	93.847		AH000949	71,535	-
Icahn School of Medicine at Mount Sinai - KPMP Glue - Visual Analytics for Exploration and Hypothesis Generation	93.847		IF129081210-940002	46,997	-
Indiana University - Investigating metabolic responses to high sugar diets and the onset of diabetic phenotypes	93.847		9849	202,984	-
Johns Hopkins School of Public Health - A randomized-controlled evaluation of the effects of climate impact menu labels	93.847		2006472832	14,000	-
Massachusetts General Hospital - A Prospective Study of Lifestyle, the Gut Microbiome, and Diverticulitis	93.847		235385	(737)	-
Massachusetts General Hospital - BRAIN CONNECTS: The Center for Large-scale Imaging of Neural Circuits (LUNC)	93.847		243877	228,787	-
Massachusetts General Hospital - Center for the Study of Inflammatory Bowel Disease	93.847		238642	50,303	-
Massachusetts General Hospital - Dietary behavior, environmental factors, and practices related to diet quality	93.847		242491	24,297	-
Massachusetts General Hospital - eGeneration and assessment of Multi-omic informed Subtypes of Type 2 Diabetes	93.847		246186	10,982	-
Nutrition Obesity Research Center at Harvard - Metabolic signature of artificial sweetener intake, gut microbiome,	93.847		242491	14,679	-
Regents of the University of California - Food Insecurity, Poor Diet, and Metabolic Syndrome: Cortisol's Amplifying Role	93.847		8750000156836	11,760	-
Regents of the University of California, San Francisco - Diabetes Research for Equity through Advanced Multilevel Science	93.847		15514sc	9,824	-
Regents of the University of Michigan - KPMP Kidney Mapping and Atlas Project (KMAP)	93.847		SUBK00016235	142,785	-
The Broad Institute - A comprehensive platform for novel therapy development from the microbiome	93.847		5000472-5500001054	(2,877)	-
UMass Chan Medical School - MRWeight: Medical Residents Learning Weight Management Counseling Skills	93.847		SUB00000364	33,808	-
University of Texas - Austin - Robust Statistical Methods to Identify and Use Surrogate Markers in Diabetes	93.847		UTAUS-SUB00001616	29,398	-
Yale University - Data and Biostatistics Core : Amazon Center of Excellence in Malaria Research	93.847		CON-80004308 (GR119845)	(525)	-
Total for Assistance Listing Number 93.847				1,810,989	-
Beth Israel Deaconess Medical Center - Meningeal Nociceptor-Immune Signaling in Migraine	93.853		1064528	33,543	-
Brigham and Women's Hospital, Inc - Cell and Molecular Consequences of Alzheimer's Disease Genetic Variants on BBB	93.853		124009	26,395	-
Brigham and Women's Hospital, Inc - Cell and Molecular Consequences of Alzheimer's Disease Genetic Variants on BBB	93.853		131507	21,522	-
Brigham and Women's Hospital, Inc - Improved delivery of gene therapies to the central nervous system by focused	93.853		GR0127119-S03	5,313	-

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Brigham and Women's Hospital, Inc - Improving IL12 immunogene therapy for glioblastoma based on human clinical trial	93.853		131713	6,968	-
Brigham and Women's Hospital, Inc - Oncolytic virus therapeutic responses occur from changes in the glioblastoma	93.853		GR0130734-S01	3,436	-
Brown University - Chemigenetic voltage indicators for far-red and two-photon imaging in vivo	93.853		2443	450,966	-
California Institute of Technology - Neural representation of mating partners by male C. elegans	93.853		S447423	74,340	-
Children's Hospital Boston - Cell Identity Determination In Human Brain: Somatic mutation and cell lineage	93.853		GENFD0002619182	156,339	-
Children's Hospital Boston - The role of Fos and the BAF complex in neuronal activity-dependent chromatin remodeling	93.853		GENFD0002376899	34,733	-
Columbia University - Reexamining the role of dendrites in neuronal function	93.853		1(GG018142-02)	645,025	-
Lawrence Berkeley National Lab - Chemical Fingerprinting: cell-type specific DNA repair in the brain	93.853		7527795	19,950	-
Massachusetts General Hospital - A computational approach for quantifying motor behaviors in spinocerebellar ataxias	93.853		GR0238666-S01	203,243	-
Massachusetts General Hospital - Cortical-Basal Ganglia Speech Networks	93.853		237602	5,068	-
Massachusetts General Hospital - Development of real-world motor outcome measures in ataxia-telangiectasia	93.853		GR0244754-S01	16,835	-
Massachusetts General Hospital - Simultaneous functional MRI and Micro-Magnetic Nervous System Stimulation	93.853		238936	82,525	-
New York University - Mechanisms of synaptic dopamine signaling in the control of behavior	93.853		20-A0-00-1004068	225,833	-
New York University Langone Medical Center - Project 4: Cracking the Olfactory Code	93.853		19-A0-00-1002081	(882)	-
Regents of the University of California - Davis - The RATIOS Study: Risk/Benefit Assessment by IRB Review of Phase One	93.853		A21-0985-S006	77,827	-
Regents of the University of California - San Diego - Structural basis for sensory receptor function	93.853		706013	557,708	-
Regents of the University of California, San Francisco - Sonic Hedgehog dependent neuron-astrocyte crosstalk	93.853		15092sc	33,574	-
Stanford University - Automated Phenotyping in Epilepsy	93.853		62389164-143494	979	-
Stanford University - Behavioral biomarkers for prediction of mortality and seizures in epilepsy	93.853		63665755-305283	85,295	-
Tufts Medical Center - Discovery of the Biomarker Signature for Neuropathic Corneal Pain	93.853		5023848-SERV	2,658	-
University of Massachusetts - Amherst - A connectomic analysis of a developing brain undergoing neurogenesis	93.853		017879-9119	579,529	-
University of Miami - Clinical Research in ALS and related disorders for Therapeutic Development (CRaTe)	93.853		OS00000671	10,597	-
University of North Carolina System - Bcl-xL-regulated apoptosis in cerebellar development and medulloblastoma	93.853		5110620	(3,928)	-
University of Pittsburgh - Leveraging electronic health records to optimize treatment selection and response in multiple	93.853		AWD00006595 (138681-2)	133,313	-
University of Rochester - U19 Data Science Core	93.853		417832-G / UR FAO GR511106	189,002	-
University of Rochester - U19 Project A (theory project)	93.853		417833G / UR FAO GR511107	233,517	-
Weill Medical College of Cornell University - Extramural Research Programs in the Neurosciences and Neurological	93.853		232597-1	297,694	-
Total for Assistance Listing Number 93.853				4,208,917	-
Beth Israel Deaconess Medical Center - Ad26 Based Therapeutic Vaccines for HIV	93.855		GRT67369	77,303	-
Beth Israel Deaconess Medical Center - Viral dynamics of rebound and control following early treatment of HIV/SIV	93.855		1062673	(53)	-
Board of Regents of the University of Wisconsin System - Novel antimicrobials targeting MDR pathogens from animal	93.855		2913	(12,525)	-
Boston College - Comparative systems biology of apicomplexan cell division	93.855		5113071-2	507,536	-
Brandeis University - The molecular and cellular basis of short-range host cue sensing in mosquito vectors	93.855		GR404067	138,752	-
Brigham and Women's Hospital, Inc - Aging and transplant immunity	93.855		GR0131356-S01	126,771	-
Brigham and Women's Hospital, Inc - Gut symbiotic microbiota-derived CD1d ligands and their immunomodulatory	93.855		127395	45,590	-
Brigham and Women's Hospital, Inc - High-Definition Characterization of the Persistence and Perturbation of the HIV	93.855		127565	43,406	-
Brigham and Women's Hospital, Inc - HIV-2 latency and its reversal	93.855		126055	40,336	-
Brigham and Women's Hospital, Inc - PRESCIENT: A phase IIc, open-label, randomized controlled trial of ultra-short course	93.855		127798	143,592	-
Children's Hospital Boston - Attacking failure of antibiotic treatment by targeting antimicrobial resistance enabler cell-state	93.855		GENFD0002577804	3,014	-
Children's Hospital Boston - Genome-wide CRISPR-Cas9 screens in insect cells to characterize insecticidal toxins	93.855		GENFD0002465949	606,467	-
Children's Hospital Boston - Immunobiology of Influenza Virus-related Critical Illness in Young Hosts	93.855		GENFD0002250964	38,292	-
Children's Hospital Boston - Structure-function analysis of infection- and vaccine-induced B-cell repertoires	93.855		GENFD0002717360	218,728	-
Children's Hospital Boston - Structure-function studies of the membrane-interacting domains of HIV-1 Env spike	93.855		GENFD0002593105	103,500	-
COVID-19: Brigham and Women's Hospital, Inc - Discovering Durable Pan-Coronavirus Immunity	93.855		GR0129960-S04	1,189,671	-
COVID-19: FHI Development 360 - CoVPN 3008: Multi-Center, Randomized, Efficacy Study of COVID-19 mRNA	93.855		PO21002249	60,876	60,876
COVID-19: Johns Hopkins University - IMPAACT 2032: Pharmacokinetics and Safety of Remdesivir for Treatment	93.855		PSTO-LDR17	8,219	-
COVID-19: Regents of the University of California - Los Angeles - A5404- Leadership and Operations Center (LOC), AIDS	93.855		1560000062936	5,075	-
COVID-19: Regents of the University of California - Los Angeles - Leadership and Operations Center (LOC), AIDS Clinical	93.855		1560000090638	26,737	-
COVID-19: Regents of the University of California - Los Angeles - Leadership and Operations Center (LOC), AIDS Clinical	93.855		1560000064185	98,901	-
Dana-Farber Cancer Institute - Biology and structure of pMHC receptors functioning as mechanosensors in the ab T-cell	93.855		1313705	225,280	-
Dana-Farber Cancer Institute - Identification of Metabolic and Immune Deficits in the Aged Population	93.855		1288604	241,026	-
Drexel University - Molecular pathways affected by drugs that disrupt Na+ and lipid homeostasis in malaria parasites	93.855		900273-Harvard	101,731	-
Emory University - Deep spatial immune profiling of granulomas and M. tuberculosis adaptation to disease and treatment	93.855		A595775	156,749	-
Emory University - Resetting immune homeostasis: a non-invasive approach towards HIV eradication	93.855		A1145422	41,890	-

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Family Health International - HIV Prevention Trials Network – HPTN 083 and 084	93.855		PO23002413	7,950	-
FHI Development 360 - HPTN 084	93.855		PO21002345	117,966	117,966
Food Allergy Science Initiative, Inc. - The Role of Neuroimmune Pathways in Food Allergies	93.855		P01AI179273-P2	689,941	-
Health Research, Inc. - Latitudinal Landscape Genomics and Ecology of Anopheles darlingi	93.855		6511-01	153,582	-
Johns Hopkins University - Dissecting Hepatitis B Vaccine Adjuvant Effects on Immune Responses and the HIV Reservoir	93.855		2006781565	3,152	-
Johns Hopkins University - Mechanistic studies to assess the effect of omalizumab on immune cells in conjunction	93.855		2006138581	(1,529)	-
Johns Hopkins University - PAVE : Pediatric Adolescent Virus Eradiation (PAVE) Martin Delaney Collaboratory	93.855		2006852080	51,196	-
Johns Hopkins University - Pediatric Adolescent Virus Eradiation (PAVE) Martin Delaney Collaboratory	93.855		2005379996	4,731	-
Massachusetts Eye and Ear Infirmary - Harvard-wide Program on Antibiotic Resistance	93.855		GR0531031-S01	165,304	-
Massachusetts Eye and Ear Infirmary - Subproject: Compounds and pathways for antibacterial combinations	93.855		GR0531043-S01	449,093	-
Massachusetts General Hospital - Cost Effectiveness of Preventing HIV Complications	93.855		236800	25,111	-
Massachusetts General Hospital - Non-Templated Regulation of IgE Mediated Anaphylaxis	93.855		244547	181,341	-
Massachusetts General Hospital - Novel Methods to Inform HIV/TB Clinical Trial Development	93.855		237011	29,456	-
Massachusetts General Hospital - Optimizing HIV Care in Less Developed Countries	93.855		233034	(517)	-
Massachusetts General Hospital - Optimizing HIV Care in Less Developed Countries	93.855		244187	20,477	-
Massachusetts General Hospital - Temporal Phenotypes and Risk Models for the Post-COVID Syndrome and its sub-types	93.855		241499	10,077	-
Oklahoma Medical Research Foundation - Disease and Race Specific Single-cell Epigenetic Mechanisms in Human SLE	93.855		0340-01	57,965	-
Oregon Health and Science University - Defining adaptive immune responses to Mtb-infection and TB disease	93.855		1019164-HARVARD	17,511	-
Regents of the University of California - Evaluating the Relationship Between Age and HIV-1 Persistence	93.855		15600000350262	15,949	-
Regents of the University of California - HIV and Aging in older PWH ACTG A5322 (HAILO)	93.855		15600000350260	35,592	-
Regents of the University of California - Irvine - The UCI Vaccines for Pandemic Preparedness Center (VPPC)	93.855		2024-2250	291,783	-
Regents of the University of California - Los Angeles - Leadership and Operation Center (LOC), AIDS Clinical Trial Group	93.855		15600000035267	93,842	-
Regents of the University of California - Los Angeles - Leadership and Operations Center (LOC), AIDS Clinical Trials Group	93.855		15600000035223	45,405	-
Regents of the University of California - Los Angeles - Leadership and Operations Center (LOC), AIDS Clinical Trials Group	93.855		15600000035262	401,625	-
Regents of the University of California - San Diego - Defining the resistome in P. falciparum: evolution and mechanism	93.855		705800	264,705	-
Regents of the University of California, San Francisco - Duration Randomized Anti-MDR-TB and Tailored Intervention	93.855		12461sc	14,972	-
Regents of the University of California, San Francisco - Planning Grant: A Phase 2C Randomized, Open-Label Trial of Novel	93.855		15825sc	7,717	-
Regents of the University of Michigan - Center for Structural Biology of HIV RNA	93.855		SUBK00016294	128,780	-
Rutgers Biomedical and Health Sciences - Biomarker Signatures of TB Infection in Young Children With and Without HIV	93.855		3622	94,074	-
Rutgers Biomedical and Health Sciences - Feasibility of Novel Diagnostics for TB in Endemic Countries (FEND for TB)	93.855		2959	167,987	-
Scripps Research Institute - Consortium for Viral Systems Biology (CVISB)-Project 1	93.855		GR000533	7,086	-
Stanford University - A randomized, double blind, placebo controlled, phase 2 study testing the use of combination	93.855		63459056-107480	75,848	-
Stanford University - A randomized, double blind, placebo controlled, phase 2 study testing the use of combination	93.855		63459056-107480	4,982	-
Stanford University - High-resolution longitudinal immune monitoring for elucidating immune aging dynamics	93.855		63274993-151206	3,257	-
Stanford University - Systems biological assessment of innate and adaptive immunity to vaccination	93.855		63271716-229950	13,946	-
Stanford University - Systems biological assessment of innate and adaptive immunity to vaccination	93.855		63217464-229950	45,665	-
Texas A and M Agrilife Research - Role of RNA structure in developmental RNA editing regulation in trypanosomes	93.855		M2501353	61,244	-
The Broad Institute - Advancing genomic, transcriptomic and functional approaches to combat globally important	93.855		1253-5500002746	294,932	-
The Broad Institute - Identification and characterization of microbial metabolites in immunity	93.855		5001423-5500001861	221,747	-
The Broad Institute - Innovative Technologies to transform Antibiotic Discovery	93.855		5001915-5500001346	(2,212)	-
The Broad Institute - Nanobodies targeting cell-surface exposed proteins to amplify the host immune system	93.855		5002043-5500002086	(109)	-
Tufts University - Single-cell factors of tuberculosis drug tolerance during adaptation to environmental stressors	93.855		103346	73,192	-
UMass Chan Medical School - A systems immunology approach to evaluate malaria vaccine performance in endemic	93.855		SUB00000630	17,879	-
UMass Chan Medical School - Systems Genetics of Tuberculosis	93.855		SUB00000543	197,634	-
University of Bristol - A Secure Analytics Platform To Study The Prognosis Of People With HIV In The USA, Canada And	93.855		2024 5289	13,082	-
University of Cape Town - Durability of systemic and lung immune correlates of BCG-induced protection	93.855		UCT00039294	118,850	-
University of Connecticut - Exploring herpesvirus exonucleases as potential antiviral targets	93.855		UCHC7-173430223-A2	2	-
University of Maryland, Baltimore - The Tick Immune Response During Microbial Infection	93.855		20774	2,327	-
University of Miami - Immune correlates of LTBI in HIV-exposed infants	93.855		OS00000564	28,313	-
University of Pittsburgh - Manipulation of innate immunity by Polyomavirus T antigens	93.855		AWD00002474 (134727-1)	90,539	-
University of Pittsburgh - Preventing TB with intravenous BCG in SIV-infected macaques	93.855		AWD00004029 (136161-4)	166,986	-
University of Pittsburgh - Project 1: Synergies among Inhibitory Receptors in Tolerance Cancer and Antiviral Immunity	93.855		AWD00002849 (135385-2)	569,600	-
University of Stellenbosch - Identifying correlates of risk for future tuberculosis disease progression in children (INTREPID)	93.855		S008685-SGR-O-05	104,682	-
University of Washington - Optimization of protective antibodies response against bacterial adhesins	93.855		UWSC14885	157,642	-
Washington University - innovative strategies to combat antibiotic-resistant infections (SUPPLEMENT)	93.855		WU-25-0061	58,705	-

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Washington University - Innovative strategies to combat antibiotic-resistant infections (SUPPLEMENT)	93.855		WU-25-0512	34,483	-
Washington University School of Medicine - Innovative strategies to combat antibiotic-resistant infections	93.855		WU-25-0514	78,216	-
Weill Medical College of Cornell University - Conditionally replicating Mycobacterium tuberculosis vaccines	93.855		232153	1,256	-
Weill Medical College of Cornell University - Pathway Analysis in Tuberculosis (Project 3)	93.855		241082-3	222,776	-
Weill Medical College of Cornell University - Pathway Analysis in Tuberculosis (Project 4)	93.855		241082-5	340,106	-
Yale University - A clinical decision tool to optimize the selection of antibiotics for patients with rifampicin-resistant	93.855		CON-80005481(GR125502)	38,534	-
Yale University - Costimulatory Mechanisms of Autoimmunity (Composite)	93.855		CON-80004470 (GR120332)	125,064	-
Yale University - Elucidating how TIGIT agonists regulate CNS autoimmunity exacerbated by PD-1 blockade	93.855		CON-80004475 (GR120336)	478,687	-
Yale University - Enhancing surveillance systems to slow the spread of antimicrobial-resistant gonorrhoea	93.855		GR109897(CON-80002440)	49,931	-
Yale University - Integrating genomic and spatial approaches for targeted control of HIV-associated tuberculosis epidemics	93.855		CON-80002721 (GR110925)	274,368	-
Total for Assistance Listing Number 93.855				11,751,342	178,842
Brandeis University - Dynamical maintenance of left-right symmetry during vertebrate development	93.859		GR404682 Harvard	116,093	-
Brandeis University - Molecular and cellular determinants of Drosophila larva thermotaxis	93.859		403758	(2,528)	-
Brandeis University - Molecular and cellular determinants of Drosophila larva thermotaxis	93.859		GR0404836 Harvard	85,457	-
Brigham and Women's Hospital, Inc - Bayesian multivariate 3D spatial modeling for microbiome image analysis	93.859		GR0125494-S01	366,663	-
Brigham and Women's Hospital, Inc - An individualized approach to promote nurturing care in low and middle income	93.859		GR0127129-S01	14,961	-
Massachusetts General Hospital - Role of Mitochondrial Metabolism in Regulating Species-Specific Developmental Rates	93.859		246188	36,436	-
Regents of the University of California - San Diego - National Resource for Network Biology (NRNB)	93.859		KR 705589	189,993	-
Regents of the University of Michigan - Accounting for Hidden Bias in Vaccine Studies: A Negative Control Framework	93.859		SUBK00012743	32,472	-
The Jackson Laboratory - Teaching the Genome Generation: Cultivating High School Genomics through Pre-service	93.859		210367-0426-02	5,153	-
University of Georgia Research Foundation, Inc. - Collaborative Research: DMS/NIGMS 2: Novel machine-learning	93.859		SUB00003378	65,034	-
Wellesley College - Optical Tools to Study Purinergic Signaling	93.859		SA26581	15,506	-
Total for Assistance Listing Number 93.859				925,240	-
Arizona State University - Innovative Family Prevention with Latino Siblings in Disadvantaged Settings	93.865		ASUB00000124	9,558	-
Beth Israel Deaconess Medical Center - Linking HIV Prevention and post-partum care: Safety, efficacy and feasibility	93.865		1063794	4,380	-
Boston College - Paternal influence on children's weight outcomes	93.865		5108651-4	86,506	-
Brigham and Women's Hospital, Inc - Active Surveillance of the Safety of Antipsychotic Medications in Pregnancy	93.865		GR0125233-S01	66,000	-
Brigham and Women's Hospital, Inc - An individualized approach to promote nurturing care in low and middle income	93.865		GR0125594-S01	56,713	-
Brigham and Women's Hospital, Inc - An integrated intervention to address the double burden of maternal child	93.865		GR1000281-S04	11,663	-
Brigham and Women's Hospital, Inc - Comparative Safety of Antibiotics for Common Bacterial Infections During Pregnancy	93.865		127850	39,789	-
Brigham and Women's Hospital, Inc - Hormones and Genes in Women's Health: From Bench to Bedside	93.865		GR0123664-S01	44,822	-
Brigham and Women's Hospital, Inc - Mechanistic pathways of the effects of human-animal interaction on depression	93.865		GR0123005-S01	95,163	-
Brigham and Women's Hospital, Inc - Safety of Benzodiazepines and Non-Benzodiazepine Sedative Hypnotics in Pregnancy	93.865		GR0127603-S01	84,906	-
Children's Hospital Boston - Healthcare Transitions and the Health of Adolescents and Young Adults with Intellectual	93.865		GENFD000222811	43,945	-
Children's Hospital Boston - Healthcare Transitions and the Health of Adolescents and Young Adults with Intellectual	93.865		GENFD0002228212	44,287	-
Children's Hospital Boston - Inflammatory stressors in serotonergic brainstem dysfunction and SIDS.	93.865		GENFD0002404954	224,087	-
Emory University - AI-DRIVEN LOW-COST ULTRASOUND TOOL FOR AUTOMATED IDENTIFICATION OF PLACENTAL	93.865		A908615	12,747	-
Harvard Pilgrim Health Care - A lifecourse approach to women's cardiometabolic and bone health: from fertility	93.865		AH000730	7,719	-
Harvard Pilgrim Health Care - Prenatal environmental determinants of health in young adulthood: a lifecourse approach	93.865		PH000871A	11,773	-
Harvard Pilgrim Health Care - The Impact of Including Pregnancy as a Qualifying Life Event for Marketplace Special	93.865		AH001019	21,897	-
Jackson State University - Mississippi Delta Maternal Health Research Centers of Excellence	93.865		632416-HU	376,738	-
Johns Hopkins School of Public Health - Evaluating a Healthy Default Kids' Beverage Ordinance	93.865		2004546640	3,302	-
Johns Hopkins University - "Determining Bone Loss and Bone Mineral Density Recovery following Repeat Pregnancy	93.865		2004010614	4,924	-
Johns Hopkins University - Inter-generational Link of Cardio-Metabolic Risk: Integrate Multi-OMICs with Birth Cohort	93.865		2004406421	(5,138)	-
Johns Hopkins University - Preterm Birth and Child Long-term Cardiometabolic Risk: Integrate Proteomics with Birth	93.865		2005479742	188,623	-
Massachusetts General Hospital - FLOURISH – Following Longitudinal Outcomes to Understand, Report, Intervene	93.865		241521	4,380	-
Massachusetts General Hospital - Innovation across the spectrum of pediatric HIV care	93.865		235202	117	-
Massachusetts General Hospital - Reaching for the end of pediatric AIDS: Modeling strategies to strengthen	93.865		245954	38,271	-
Michigan State University - Infertility history and chronic disease profile	93.865		RC110679Harvard	165,606	-
New York University - Play and Learning Across a Year (PLAY)	93.865		F0998-35	2,515	-
Regents of the University of Michigan - FAMILY WELL-BEING RESEARCH NETWORK ("FAM-NET"): Measuring Family	93.865		SUBK00013014	183,338	-
Regents of the University of Michigan - Partnering for Equity: An Academic and Community Alliance to Eliminate	93.865		SUBK00020183	118,147	-
Stanford University - Measuring Neonatal Regionalization	93.865		63196641-232980	89,793	-
Stellenbosch University, Faculty of Medicine and Health Sciences - Children HIV Exposed Uninfected Research to Inform	93.865		S006905-01	8,753	-
The Broad Institute - Dissecting the role of FMRP in RNA processing using hPSC models	93.865		5000765-5500001555	26,469	-

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The Broad Institute - Investigating epigenetic mechanisms in Down Syndrome using human cellular models	93.865		5001796-5500002499	115,132	-
University of Illinois at Urbana-Champaign - RNA Pol II pausing is critical for spermatogenesis and fertility	93.865		092758-17182	1,075	-
University of Maryland, Baltimore - Effects of Attachment-Based Intervention on Low-Income Latino Children's Emerging	93.865		21069	12,647	-
University of Massachusetts - Financial Support to Low-income Families of Preterm Infants	93.865		SUB00000240	48,660	-
University of Utah - Economic security policy and birth outcomes among socio-economically disadvantaged women	93.865		10060482-02-HU	14,735	-
Total for Assistance Listing Number 93.865				2,264,042	-
Beth Israel Deaconess Medical Center - A National Analysis of Observation Care Among Medicare Beneficiaries	93.866		GRT65005	23,904	-
Boston University School of Public Health - Improving causal inference in Alzheimer's Disease prevention research	93.866		4500005326, 4500005338	90,390	-
Brigham and Women's Hospital, Inc - Boston OAIC: A Translational Approach to Function Promoting Anabolic Therapies	93.866		GR0126169-S01	47,122	-
Brigham and Women's Hospital, Inc - Center for Stress and Neural Regulation of Reproductive Aging Health Outcomes	93.866		123406	46,258	-
Brigham and Women's Hospital, Inc - Climate-related factors and health during the menopausal transition	93.866		130180	65,513	-
Brigham and Women's Hospital, Inc - Function Assessment Core (FAC)	93.866		126139	59,281	-
Brigham and Women's Hospital, Inc - Identification of brain metabolomic profiles associated with dementia	93.866		GR0131140-S01	132,516	-
Brigham and Women's Hospital, Inc - Multicomponent Therapy for Age-related Skin Stem Cell Deficiency	93.866		128380	261,452	-
Brigham and Women's Hospital, Inc - Multicomponent Therapy for Age-related Skin Stem Cell Deficiency-Project 2	93.866		128377	225,903	-
Brigham and Women's Hospital, Inc - Multicomponent Therapy for Age-related Skin Stem Cell Deficiency- Project 3	93.866		128378	6,056	-
Brigham and Women's Hospital, Inc - Multicomponent Therapy for Age-related Skin Stem Cell Deficiency: Project 1	93.866		128376	134,794	-
Brown University - Impact of Medicare and Medicaid Financial Policies on Post-acute and Long-term Care for Persons	93.866		2617	33,757	-
Carnegie Mellon University - 3D analysis of tissue architecture and cell morphology in intact epithelial tissues using high	93.866		1090803 - 485451	47,886	-
Columbia University - Bayesian Statistical Learning for Robust and Generalizable Causal Inferences in Alzheimer Disease	93.866		1(GG019220-01)	87,407	-
Columbia University - Statistical Framework for Unraveling Age-Dependent Genetic Landscape of Alzheimer's Disease	93.866		1(GG017388-01)	24,941	-
Dana-Farber Cancer Institute - Defining the landscape and mechanisms of protein redox regulation during aging	93.866		1400003	142,875	-
Emory University - Air Pollution and Alzheimer's Disease and Related Dementias: A National Study	93.866		A570268	33,114	-
Indiana University - Cumulative socioeconomic exposures, cash transfer interventions, and later-life cognitive decline	93.866		8731-HU	5,262	-
Indiana University - Cumulative socioeconomic exposures, cash transfer interventions, and later-life cognitive decline	93.866		10214	58,274	-
Joslin Diabetes Center - Homeostasis functions of SKN-1A/Nrf1	93.866		100316	20,524	-
Massachusetts General Hospital - Addressing Racial/Ethnic Disparities in Stroke Care Access Using Hospital Transfer	93.866		243823	110,264	-
Massachusetts General Hospital - Alzheimer's Disease and Related Dementia Care within the Medicare Program	93.866		237692	(11,623)	-
Massachusetts General Hospital - Characteristics and impact of chronic pain and pain management in older adults	93.866		239631	40,293	-
Massachusetts General Hospital - Comparative Safety of Seizure Prophylaxis within the Medicare Program	93.866		239682	214,306	-
Massachusetts General Hospital - Harnessing Diverse Bioinformatic Approaches To Repurpose Drugs For Alzheimer's	93.866		244001	389,928	-
Massachusetts General Hospital - Impact of Medicare Policies on Beneficiaries with ADRD	93.866		244057	257,853	-
Massachusetts General Hospital - Impact of the COVID-19 Pandemic on Patients with and Without Alzheimer's Disease	93.866		239802	175,484	-
Massachusetts General Hospital - Medications, the gut microbiota, and risk of microscopic colitis	93.866		237376	40,938	-
Massachusetts General Hospital - Prospective Study of the Gut Microbiome in Aging	93.866		GR1000859-S01	151,312	-
Massachusetts General Hospital - The CHARMED model: a multimorbidity simulation model for people aging with HIV	93.866		GR0238631-S01	135,902	-
Massachusetts General Hospital - The Effects of Changing Health Care Markets on Cardiovascular and Cerebrovascular	93.866		246374	89,805	-
Massachusetts General Hospital - Traumatic Brain Injury Anti-Seizure Prophylaxis in the Medicare Program	93.866		GR0244115-S01	250,923	-
Massachusetts General Hospital - Vascular Pathology in Early and Asymptomatic Cerebral Amyloid Angiopathy	93.866		GR0238954-S01	24,016	-
Massachusetts General Hospital - Wearable Multi-Modal Hemodynamic Monitoring for Early Detection and Prevention	93.866		GR0245848-S01	21,054	-
Massachusetts Institute of Technology - MIT Roybal Center for Translational Research to Improve Healthcare for the Aging	93.866		55140	8,242	-
National Bureau of Economic Research - Improving Health Outcomes for an Aging Population	93.866		4135G.30.12.HMS	(316)	-
National Bureau of Economic Research - Public Policy and the Future of the Long Term Care Workforce	93.866		41860.HMS	27,765	-
National Bureau of Economic Research - The Health Impact of Administrative Burdens in Health Insurance Enrollment	93.866		4135H.35.14.00.HSPH	13,266	-
Regents of the University of California - Davis - Extreme weather-related events and environmental exposures in the risk	93.866		A22-0492-S001	50,560	-
Regents of the University of California - Los Angeles - The effect of medical school, residency program, and health system	93.866		15570000186539	12,805	-
Regents of the University of California - The Impact of physician and health system factors on the quality of care	93.866		15570000183776	46,581	-
Regents of the University of California, San Francisco - Advancing Psychosocial and Biobehavioral Approaches to Improve	93.866		12669sc	33,361	-
Regents of the University of California, San Francisco - Advancing Psychosocial and Biobehavioral Stress Measurement	93.866		15856sc	10,957	-
Regents of the University of California, San Francisco - Evaluation of college accessibility and income security interventions	93.866		14568sc	42,495	-
Regents of the University of Michigan - Network on Biomarker Collection and Measurement in Population Studies of Aging	93.866		SUBK00021321	23,312	-
Rush University Medical Center - Racial Differences in Late-Life Cognitive decline and risk of Alzheimer's Disease	93.866		L03030302-Sub05	58,519	-
Rush University Medical Center - The role of blood and brain 5-hydroxymethylcytosine in linking vascular risk factors	93.866		20112002-Sub03	82,504	-
The Spaulding Rehabilitation Hospital Corporation - The opposing effects of matrix aging and muscle activity	93.866		GR0500729-S01	21,012	-
Tornado Therapeutics, Inc. - mTOR Inhibitor Mechanism of Action Analysis in a Human Lung Chip Viral Infection Model	93.866		Wyss-2025	14,868	-

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Federal Grantor/Pass-through Grantor/Program or Cluster Title	Assistance Listing Number	Award Number	Pass-through Entity Identification Number	Federal Expenditures	Passed to Sub-Recipients
Trustees of Dartmouth College - Causes and Consequences of Healthcare Inequity in Alzheimer's Disease	93.866		R1773	267,562	-
Trustees of Dartmouth College - Causes and Consequences of Healthcare Inequity in Alzheimer's Disease	93.866		R1774	147,753	-
University of Massachusetts - Amherst - Massachusetts AI and Technology Center for Connected Care in Aging	93.866		016677-9221	86,696	-
University of Massachusetts - Amherst - Metabolomic profile of chronic distress in relation to diseases of aging across	93.866		017425-9178	128,704	-
University of Massachusetts - Lowell - Microbiome Multi-Omics and Cognitive Decline in Latinos	93.866		S51110000057257	70,648	-
University of Miami - Sleep in Neurocognitive Aging and Alzheimer's Research (SANAR)	93.866		OS00000739	81,893	-
University of Pennsylvania - Novel Designs and Methods to Remove Hidden Confounding Bias in Health Sciences	93.866		579679	28,802	-
University of Southern California - Harmonized Diagnostic Assessment of Dementia (DAD) for Longitudinal Aging Study	93.866		137887989	103,330	-
University of Texas Health Science Center at Houston - Cytosolic DNA is the Link Between Genomic Instability	93.866		SA0003127	92,858	-
University of Washington - Short and long-term consequences of wildfires for Alzheimer's disease and related dementias	93.866		UWSC15676	39,109	-
University of Wisconsin - Integrative Pathways to Health and Illness Project 1 - Psychosocial Contributors	93.866		3854	43,520	-
Washington University - Vulnerability and Resiliency in the Aging Adult Brain Connectome (AABC)	93.866		WU-25-0548	38,492	-
Washington University School of Medicine - The Impact of inherited and modifiable risk factors on clonal hematopoiesis	93.866		WU-25-0211	314,781	-
Washington University School of Medicine - The Impact of the Accountable Care Organization Realizing Equity, Access,	93.866		WU-25-0305-MOD-1	48,384	-
Yale University - Access to Healthcare as a Driver of Place-Based Inequality in Mid-Life Mortality: Evidence from Movers	93.866		CON-80004723 (GR122251)	5,740	-
Yale University - Susceptibility and adverse health outcomes related to climate-sensitive events among older Medicare	93.866		CON-80004737 (GR122324)	203,145	-
Total for Assistance Listing Number 93.866				5,585,032	-
Children's Hospital Boston - Immune-Vascular Crosstalk in Retinopathy	93.867		GENFD0002187150	(1,620)	-
Massachusetts Eye and Ear Infirmary - Metabolomics a novel tool for investigating the pathogenesis of Age-related	93.867		530812	(23,944)	-
Massachusetts General Hospital - Auto-sensing, instantaneous adaptive ranging OCT	93.867		GR1000125-S01	16,553	-
Oregon Health and Science University - Aggregation of Deamidated Crystallins as a Major Cause of Cataracts	93.867		1019270 HARVARD	12,868	-
University of Rochester - Neural mechanisms of optic flow processing for visually-guided control of steering	93.867		SUB00000421 / UR FAO GR532817	27,876	-
Total for Assistance Listing Number 93.867				31,733	-
Regents of the University of California, San Francisco - Evaluation of Natural Experiments of Nutrition Assistance	93.945		14696sc	22,834	-
Total for Assistance Listing Number 93.945				22,834	-
University of California, San Diego - 2/2 GeoHealth Hub for Climate Change and Health in the Middle East and	93.989		705414	21,331	-
Total for Assistance Listing Number 93.989				21,331	-
Abt Global LLC - Evaluation of the Oncology Care Model	93.RD		46244	25,344	-
AIDS Prevention Initiative in Nigeria, Ltd/Gte. - Strengthening Systems to Improve HIV Service Delivery and Other Public	93.RD		GH21-2147	215,696	-
Children's Hospital Boston - Development of Vaccines for the Treatment of Opioid Use Disorder	93.RD		GENFD0002705950	7,166	-
Children's Hospital Boston - Vaccine Adjuvant Discovery Program	93.RD		GENFD0002644479	103,881	-
Foundation for the National Institutes of Health - Pediatric Medical Devices Public-Private Partnership	93.RD		231130	74,103	-
Global Alliance for TB Drug Development - Development of novel ClpC1 modulators targeting proteostasis	93.RD		No Award Number	23,964	-
Harvard Pilgrim Health Care - Improving Public Health Responses to Emerging Health Threats: Accelerating Mathematical	93.RD		200-2016-91779/75D30121F0003	899,524	80,805
International Consulting Associates - FDA Medical Data Enterprise - Development AI Tool	93.RD		ICA-SK-21-200-HA001/005	354,381	-
Massachusetts General Hospital - PROSPECT-Pathways, Risk factors, and mOleculE5 to Prevent Early-onset Colorectal	93.RD		246236	43,192	-
Michigan Department of Health and Human Services - Keep Kids Safely at Home Pilot - 2024	93.RD		E20245823-00	88,658	-
Michigan Department of Health and Human Services - Keep Kids Safely at Home Pilot - 2025	93.RD		E20255164-001	312,065	-
RTI International - Cost and Cost Effectiveness of TBESC-III LTBI Primary Care Interventions	93.RD		1-312-0218720-67129L	64,932	-
Seattle Children's Research Institute - Immune Mechanisms of Protection against Mycobacterium Tuberculosis Center	93.RD		SUB00002406	292,391	-
Trustees of Boston University - Development of Oxepanoprolinamide Antibiotics	93.RD		4500004904	559,741	-
Westat, Inc. - Health Decision Science Analyses in the HPV-Automated Visual Evaluation Study	93.RD		6901-02-S004	171,000	-
Total for Assistance Listing Number 93.RD				3,236,038	80,805
Total for DHHS Subaward Received Research and Development (R&D)				72,374,913	587,273
EPA					
Black Parents United Foundation - Characterization of Atmospheric Volatile Organic Compounds, Radioactivity,	66.034		No Award Number	76,874	-
Total for Assistance Listing Number 66.034				76,874	-
Health Effects Institute - Designing optimal policies for reducing air pollution-related health inequities	66.511		4998-RFA22-2/24	83,235	-
Health Effects Institute - Traffic-Related Air Pollution, Lipoproteins, and Cardiovascular Disease Risk in the ViTamin D	66.511		5000-RFA23-1/24-4-2	245,222	93,209
Total for Assistance Listing Number 66.511				328,457	93,209
Yale University - Australian Wildfires and Perinatal Health Risks	66.RD		CON-80004984 (GR123351)	63,002	-
Total for Assistance Listing Number 66.RD				63,002	-
Total for EPA Subaward Received Research and Development (R&D)				468,333	93,209
Institute of Museum and Library Services					
Arizona Board of Regents, University of Arizona - 3D Research Data Curation Framework (3DFrame): Understanding 3D	45.312		722400	31,684	-

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Total for Assistance Listing Number 45.312				31,684	-
Total for Institute of Museum and Library Services Subaward Received Research and Development (R&D)				31,684	-
Library of Congress					
Waynesburg University - Primary Sources: The Catalyst for Cultivating Social Perspective Taking Skills, Media Literacy,	42.010		No Award Number	17,179	-
Total for Assistance Listing Number 42.01				17,179	-
Total for Library of Congress Subaward Received Research and Development (R&D)				17,179	-
NASA					
Board of Trustees of the University of Illinois - The Reading Time Machine: Transforming Astrophysical Literature	43.001		103937-18452	75,766	-
Cornell University - SSHOW UP: Sample Selection and Handling for Ocean worlds and Wostenholme fjord Under	43.001		167573-22896	16,773	-
Georgetown University - Agnostic Biosignatures for Extant Life	43.001		AWD7773186-GR205803	(23,565)	-
Jet Propulsion Laboratory - Biomass calibration for NASA NISAR mission	43.001		1702736	(13,577)	-
Jet Propulsion Laboratory - Methane and CO2 fluxes for the U.S. Greenhouse Gas Center from inversions of satellite data	43.001		1707754	133,098	-
Massachusetts Institute of Technology - Climate change on Titan due to Saturn's billion-year obliquity evolution	43.001		s6387 PO 1118831	33,293	-
Regents of the University of California - Santa Cruz - Moderately volatile elements as a probe of planetary accretion	43.001		A21-0492-S001	33,885	-
Smithsonian Astrophysical Observatory - An X-ray Study of a Tidal Disruption Event in an AGN Host Galaxy	43.001		G03-24084X	4,421	-
Smithsonian Astrophysical Observatory - Participation in Advancing Miniature Lightweight X-ray Optics for Solar System	43.001		SV1-11015	28,557	-
Smithsonian Astrophysical Observatory - Participation in The Swift Solar Activity X-ray Imager (SSAXI) Instrument	43.001		SV1-21019	96,795	-
University Corporation for Atmospheric Research - The Solar Imaging Metasurface Polarimeter	43.001		SUBAWD002891	5,738	-
University of Hawaii - Metasomatic Alteration of Calcium-Aluminum-Rich Inclusions from the CV3-4 and CK3-4	43.001		MA1939	49,554	-
University of Washington - Do changing terrestrial-aquatic interfaces in Arctic-boreal landscapes control the form,	43.001		UWSC14839	73,013	-
Woods Hole Oceanographic Institution - Exploring Ocean Worlds: Ocean System Science to Support the Search for Life	43.001		A101470 / 2314700	(2,049)	-
Total for Assistance Listing Number 43.001				511,702	-
Purdue University - Resilient ExtraTerrestrial Habitats	43.012		12000295-027	337,137	-
University of Oregon - Quantum Communication Links using Coherent-Filter-Based Transmitter-Receiver Pairs	43.012		231180A	9,599	-
Total for Assistance Listing Number 43.012				346,736	-
Arizona Board of Regents, University of Arizona - JWST Near Infrared Camera (NIRCam)	43.RD		152977	193,643	-
Icarus Quantum Inc. - Integration of a semiconductor quantum emitter and a lithium niobate frequency converter	43.RD		No Award Number	27,299	-
Smithsonian Astrophysical Observatory - Participation in Tropospheric Emissions: Monitoring of Pollution (TEMPO)	43.RD		SV3-83020	83,991	-
Southwest Research Institute - Juno Project	43.RD		699042X	185,866	-
Total for Assistance Listing Number 43.RD				490,799	-
Total for NASA Subaward Received Research and Development (R&D)				1,349,237	-
National Endowment for the Humanities					
Amherst College - Iapi Oaye - Unlocking a Hidden History of Dakota Language and Culture within The Word Carrier	45.161		GRT00302 - Harvard	25,299	-
New York University - China and India in an Age of Decolonization: An Analysis of the Nehru Papers, 1947-1964	45.161		F2427-01	9,397	-
Total for Assistance Listing Number 45.161				34,696	-
Virginia Commonwealth University - Towards a People's History of Landscape: Black and Indigenous Histories	45.163		FP00019538 SA003	17,246	-
Total for Assistance Listing Number 45.163				17,246	-
iCivics, Inc. - Educating for American Democracy	45.164		No Award Number	85,446	-
Total for Assistance Listing Number 45.164				85,446	-
Total for National Endowment for the Humanities Subaward Received Research and Development (R&D)				137,388	-
National Science Foundation					
Arizona Board of Regents, University of Arizona - NSF Engineering Research Center for Quantum Networks (CQN)	47.041		606947	877,059	-
New Jersey Institute of Technology - ASCENT: From sensors to multiscale digital twin to autonomous operation	47.041		998159	78,605	-
Purdue University - FMRG: Cyber Privacy-Preserving Tiny Machine Learning Edge Analytics to Enable AI-Commons	47.041		10002420-026	204,704	-
Trustees of Boston University - Nanosystems Engineering Research Center for Directed Multiscale Assembly of Cellular	47.041		4500005158	268,638	-
Trustees of Boston University - Nanosystems Engineering Research Center for Directed Multiscale Assembly of Cellular	47.041		4500005168	90,609	-
University of Washington - AI Institute in Dynamic Systems	47.041		UWSC13223	1,037,207	-
Total for Assistance Listing Number 47.041				2,556,822	-
University of Colorado Boulder - QLCI-CI: NSF Quantum Leap Challenge Institute for Enhanced Sensing and Distribution	47.048		1559522	307,188	-
Total for Assistance Listing Number 47.048				307,188	-
Association of Universities for Research in Astronomy, Inc. - Support for Rubin Commissioning	47.049		N00031946C	230,672	-
Claremont McKenna College - LEAPS-MPS: Empirical Bayes Evidence Synthesis Techniques for Hybridizing Observational	47.049		418829-01	3,165	-
Massachusetts Institute of Technology - Center for Ultracold Atoms	47.049		s6277	1,495,713	-
Massachusetts Institute of Technology - Characterizing and Utilizing 2D van der Waals Materials with Superconducting	47.049		S4874 - PO 382989	(27,173)	-
Massachusetts Institute of Technology - NQVL:QSTD:Pilot: Deep Learning on Programmable Quantum Computers (DLPQC)	47.049		s6489	89,275	-

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Massachusetts Institute of Technology - The NSF AI Institute for Artificial Intelligence and Fundamental Interactions (IAIFI)	47.049		55206, PO 560825	791,180	-
National Radio Astronomy Observatory - NRAO Student Observing Support for Osase Omoruyi	47.049		SOSPA10-009	37,000	-
Navajo Technical University - PREM Vision for Excellence at Navajo Technical University in Research and Education in STEM	47.049		NTU-42770-21	215,751	-
Northwestern University - Advanced Cold Molecule Electron Electric Dipole Search (ACME III)	47.049		60068929 HU	446,892	-
Purdue University - RAISE-TAQS: Multifunctional Hybrid Quantum Systems for Spin-Based Quantum Control	47.049		10001431-011	1	-
Regents of the University of California - Berkeley - Does Nature Evoke the Optimum A Bioinspired Hierarchical	47.049		10795	70,530	-
Regents of the University of California - Berkeley - QLCI-CI: NSF Quantum Leap Challenge Institute for Present and Future	47.049		11479	263,753	-
Regents of the University of California - Santa Cruz - Nanoscale Imaging of Quantum Scarring, Electron Guiding,	47.049		A24-0725-5001	28,988	-
University of Chicago - ACME III: Advanced Cold Molecule Electron Electric Dipole Moment Search	47.049		AWD102289 (SUB00000526)	62,245	-
University of Chicago - NSF's ChemMatCARs: A synchrotron x-ray national facility for chemistry and materials research	47.049		AWD105598 (SUB00001342)	3,830	-
University of Chicago - QLCI-CI NSF Quantum Leap Challenge Institute for Quantum Sensing in Biophysics	47.049		AWD102417 (SUB00000579)	89,958	-
University of Chicago - QLCI-CI: NSF Quantum Leap Challenge Institute for Quantum Sensing in Biophysics	47.049		AWD102417 (SUB00001382)	71,057	-
University of Massachusetts - Amherst - RBT US-ATLAS NET2 at UMass	47.049		017255-9174	106,356	-
University of Massachusetts - Boston - ExpandQISE: Track2: EQUIP-UMB-Expand Quantum Information Programs	47.049		B001649398	11,144	-
University of North Texas - Using uncertainty quantification and validated computational models to analyze pumping	47.049		GF30141-1	20,361	-
University of Oregon - QuIC-TAQS: Implementation of a Neutral-Atom- Photonic-Cluster State	47.049		2014Y0A	286,903	-
University of Washington - QII-TAQS: Strongly Interacting Photons in Coupled Cavity Arrays: A Platform for Quantum	47.049		UWSC15188	35,299	-
Total for Assistance Listing Number 47.049				4,332,900	-
Georgia Institute of Technology/Georgia Tech Research Corporation - Collaborative Research: ICECAP	47.050		AWD-002731-G1	11,658	-
Old Dominion University Research Foundation - EAGER: The camouflaging of terrigenous organic matter as marine	47.050		24-119-101010-010	70,850	-
University of Oregon - Assuring Continuity Between a 3D Community Fault Model in the Cascadia Region and the SCEC	47.050		2017Y0SB	20,049	-
University of Southern California - The Coupled Evolution of Earthquakes, Faults, and Geohazards of the San Andreas	47.050		SCON-00006471	51,665	-
Total for Assistance Listing Number 47.050				154,222	-
Boston University School of Public Health - SCH: INT: Distributed Analytics for Enhancing Fertility in Families	47.070		4500003418	3,344	-
Colorado School of Mines - HDR Institute: Center for Data-Driven Dynamical Design	47.070		402052-5802	321,862	-
Duke University - PIF: Software-Tailored Architecture for Quantum Co-Design (STAQ II)	47.070		333-000194	264,493	-
Johns Hopkins University - Collaborative Research: CNS Core: Medium: Cross-Layer Design of Video Analytics	47.070		2005122791	76,256	-
Massachusetts Institute of Technology - A Center for Brains, Minds, and Machines: The Science and the Technology	47.070		S3409	209,693	209,693
New York University - FAI: End-To-End Fairness for Algorithm-in-the-Loop Decision Making in the Public Sector	47.070		F1651-02	72,025	-
Regents of the University of California, San Francisco - SCH: Personalized Machine Learning for Repeat Adverse Health	47.070		16001sc	2,983	-
Tufts University - NSF 23-589 Community Infrastructure for Research in Computer and Information Science	47.070		EP0246057	135,478	-
Total for Assistance Listing Number 47.070				1,086,134	209,693
Arizona State University - Mid-scale RI-2 Consortium: Compact X-ray Free-Electron Laser Project (CXFEL)	47.074		ASUB00001323	19,414	-
Columbia University - Theme 2: National Institute for Neural and Artificial Intelligence	47.074		4(GG019813-01)	68,054	-
Cornell University - MCA: Effects of unsteady wind and surface morphology on plant transpiration	47.074		138711-21065	977	-
North Carolina State University - ARTS: A North American monograph of the powdery mildews (Erysiphaceae)	47.074		PAM-P24-001730-SA01	137,109	-
Regents of the University of California - Davis - VISABLI, an RCN-UBE for Visualizations, Interactive Simulations,	47.074		A19-0888-5001-A05	3,736	-
Regents of the University of Minnesota - BII-Implementation: The causes and consequences of plant biodiversity	47.074		P008946602	135,508	-
University of Washington - Expanding the Genetic Lexicon with Designer Genetic Alphabets	47.074		UWSC15795	25,154	-
Total for Assistance Listing Number 47.074				389,952	-
Tufts University - 2024 Cooperative Election Study	47.075		EP0243702	41,109	-
University of Texas - Dallas - Innovating Developmental Science with an Online, Scalable Meta-Science Platform	47.075		2008652	14,671	-
Total for Assistance Listing Number 47.075				55,780	-
Arizona State University - DTI: Culturally Situated Immersive Virtual Learning and Engineering Design to Build STEM	47.076		ASUB00001368	83,960	-
Brown University - Experiments in teacher professional learning: Testing design features that accelerate instructional	47.076		2187	43,996	-
Georgia Institute of Technology/Georgia Tech Research Corporation - AI Institute: AI-Augmented Learning: Adult Learning	47.076		AWD-004128-G6	175,989	-
Lawrence Hall of Science - Urban Youth Participation in Community and Citizen Science	47.076		10814	28,972	-
Regents of the University of California - Irvine - Developing Conversational Videos to Support Children's STEM Learning	47.076		2025-2339	171,751	-
Rutgers University - Newark - Developing an early understanding of contagion in preschool and kindergarten-aged	47.076		2996	9,525	-
Smithsonian Astrophysical Observatory - Participation in YouthAstroNet: Research on the scale-up of innovative	47.076		SV1-11010	60,446	-
Stanford University - RAPID: DRL AI: Scaffolding Automated Feedback for Teachers	47.076		63292067-309593	11,200	-
Vanderbilt University - Leveraging Exit Tickets to Enhance Students' Self-Regulated Learning and Mathematics Knowledge	47.076		OSA00000471	62,161	-
Total for Assistance Listing Number 47.076				648,000	-
Columbia University - Columbia University MRSEC on Precision-Assembled Quantum Materials	47.079		2(GG015783-06)	(4,085)	-
University of Chicago - PIRE: International Partnership for Cirrus Studies	47.079		FP065300-A	3,887	-

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Total for Assistance Listing Number 47.079				(198)	-
Adden Energy, Inc. - Advanced Lithium Metal Anodes for Solid-State Batteries	47.084		No Award Number	145,000	-
Brightlight Photonics - STTR Phase I: Wafer-scale, foundry-ready Ti:Sapphire integrated photonic lasers and amplifiers	47.084		No Award Number	13,089	-
Carnegie Mellon University - AI Institute for Societal Decision Making (AI-SDM)	47.084		1123036 - 471144	523,391	-
Massachusetts Institute of Technology - NSF I-Corps Hub (Track 1): New England Region	47.084		s6579	48,076	-
University of Maine - PFI-RP: Mass-Manufacturing of Low-Cost, Lower Environmental Impact Microfluidics	47.084		UMS1452	59,608	-
Total for Assistance Listing Number 47.084				789,164	-
Cornell University - Quantum Integration of Data and Emergence at Atomic Scales (Qu-IDEAS)	47.RD		138361-21048	433,900	-
DoCare, LLC - Detecting clinical trial communication behavior and preference patterns at a large scale to predict	47.RD		1	4,298	-
University of Georgia - DISES: Co-produced modeling of socio-environmental dynamics of financialized forestlands	47.RD		SUB00002958	171,253	-
Total for Assistance Listing Number 47.RD				609,451	-
Total for National Science Foundation Subaward Received Research and Development (R&D)				10,929,415	209,693
Other DHHS					
Brigham and Women's Hospital, Inc - DEMOCRATIZE: Driving Equitable Medical Care in Rural America Through Innovative	93.384		2024A006854	3,511	-
Children's Hospital Boston - Boston Children's/UCLA/Duke Next Generation Regeneration for Osteoarthritis	93.384		GENFD0002603132	50,393	-
Columbia University - IndiPHARM: individual metabolome and exposome assessment for pharmaceutical optimization	93.384		3(GG020095-01)	363,518	-
Homeward Health Inc. - MARCH: Mobile Advanced Rural Care Hub	93.384		8675849-01	19,742	-
Mission Mobile Medical Group - MARCUS	93.384		No Award Number	10,900	-
Total for Assistance Listing Number 93.384				448,064	-
Phare Bio - The AI for Antibiotics Project	93.RD		No Award Number	602,931	-
Stanford University - Viability, Imaging, Surgical, Immunomodulation, Ocular preservation and Neuroregeneration (VISION)	93.RD		63686499-341318	188,321	-
University of Alabama at Birmingham - CHARM: An end-to-end toolchain for Collecting, Harmonizing, Analyzing,	93.RD		000542772-SC003	125,122	-
Total for Assistance Listing Number 93.RD				916,374	-
Total for Other DHHS Subaward Received Research and Development (R&D)				1,364,438	-
Social Security Administration					
National Bureau of Economic Research - Structural Barriers to Receipt of Income Support and Health Insurance	96.007		51750.01.31.00.NB24-01-HSPS	43,977	-
Total for Assistance Listing Number 96.007				43,977	-
Total for Social Security Administration Subaward Received Research and Development (R&D)				43,977	-
Total for Research and Development Cluster Subaward Received				108,314,633	1,006,124
Total for Research and Development Cluster				689,567,818	167,421,354
Student Financial Assistance Cluster					
Direct Award					
Department of Education					
Federal SEOG Grant 2024-2025	84.007	P007A241874		2,213,859	-
Total for Assistance Listing Number 84.007				2,213,859	-
Federal Work-Study Program (On Campus)	84.033	P033A241874		762,950	-
Federal Work-Study Program (Off Campus)	84.033	P033A241874		695,199	-
Total for Assistance Listing Number 84.033				1,458,149	-
Federal Perkins Loans Outstanding Loans as of July 1, 2024	84.038			6,017,905	-
Total for Assistance Listing Number 84.038				6,017,905	-
Federal Pell Grant 2023-2024	84.063	P063P230187		74,491	-
Federal Pell Grant 2024-2025	84.063	P063P240187		11,065,655	-
Total for Assistance Listing Number 84.063				11,140,146	-
Federal Direct Student Loans 2023-2024	84.268			1,559,596	-
Federal Direct Student Loans 2024-2025	84.268			99,845,589	-
Total for Assistance Listing Number 84.268				101,405,185	-
Total for Department of Education Student Financial Assistance Cluster				122,235,244	-
DHHS					
Health Prof. Student Loans, Primary Care Loans, Loans Disadvantaged Students (HPSL/PCL/LDS) Outstanding July 1, 2024	93.342			12,946,175	-
New Loans Issued During 2024-2025 - HPSL	93.342	4 E11HP27293-02-00		300,000	-
New Loans Issued During 2024-2025 - LDS	93.342	4 E11HP27293-02-00		812,985	-
Total for Assistance Listing Number 93.342				14,059,160	-
Total for DHHS Student Financial Assistance Cluster				14,059,160	-
Total for Student Financial Assistance Cluster Direct Awards				136,294,404	-
Total for Student Financial Assistance Cluster				136,294,404	-

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Other Programs					
Direct Award					
Delta Regional Authority					
Delta Leadership Institute: Effective Leadership Across Sectors	90.U01	No Award Number		155,121	-
Total for Assistance Listing Number 90.U01				155,121	-
Total for Delta Regional Authority Other Programs				155,121	-
Department of Education					
National Resource Center: Center for African Studies	84.015A	P015A230075 - 24		232,492	-
National Resource Centers: Davis Center for Russian and Eurasian Studies 2022-26	84.015A	P015A220033-24		284,424	-
Total for Assistance Listing Number 84.015A				516,916	-
Foreign Language and Area Studies: Davis Center for Russian and Eurasian Studies 2022-26	84.015B	P015B220037 - 24		248,871	-
Foreign Languages and Area Studies - Center for African Studies	84.015B	P015B220078-24		263,666	-
Total for Assistance Listing Number 84.015B				512,537	-
Total for Department of Education Other Programs				1,029,453	-
Department of Homeland Security					
Blue Campaign Program Evaluation and Violence Prevention	97.108	21STFRG00012-01-03		464,128	-
Terrorism and Targeted Violence Research and Evaluation	97.108	23STFRG00024-01-01		268,271	-
Total for Assistance Listing Number 97.108				732,399	-
Total for Department of Homeland Security Other Programs				732,399	-
Department of Housing & Urban Development					
THE EDWARD M. GRAMLICH FELLOWSHIP IN COMMUNITY AND ECONOMIC DEVELOPMENT SUMMER FELLOWSHIP	14.U01	R-NONINT-2023-71254		2,000	-
Total for Assistance Listing Number 14.U01				2,000	-
Gramlich Fellowship - Summer 2024: The Edward M. Gramlich Fellowship in Community and Economic Development	14.U02	R-NONINT-2024-74956		25,000	-
Total for Assistance Listing Number 14.U02				25,000	-
Achieving Excellence in Community Development	14.U03	R-NONINT-2024-75660		311,517	-
Total for Assistance Listing Number 14.U03				311,517	-
Total for Department of Housing & Urban Development Other Programs				338,517	-
Department of State					
Bin Tepe Cultural Heritage Preservation Center (Archaeological Exploration of Sardis)	19.040	STU15022GR0040		15,000	-
Total for Assistance Listing Number 19.040				15,000	-
Total for Department of State Other Programs				15,000	-
Department of the Treasury					
Low Income Taxpayers Clinic	21.008	25-LITC0742-01-01		188,320	-
Total for Assistance Listing Number 21.008				188,320	-
Total for Department of the Treasury Other Programs				188,320	-
DHHS					
Equitable Care For Elders	93.129	5 U30CS30788-09-00		538,971	-
Total for Assistance Listing Number 93.129				538,971	-
Total for DHHS Other Programs				538,971	-
National Endowment for the Humanities					
Mapping Color in History	45.169	HAA-290367-23		83,522	-
NEH Digital Humanities Advancement Grant	45.169	HAA-287761-22		45,881	-
Total for Assistance Listing Number 45.169				129,403	-
Total for National Endowment for the Humanities Other Programs				129,403	-
Total for Other Programs Direct Awards				3,127,184	-
Subaward Received					
Department of Homeland Security					
COVID-19: Massachusetts Emergency Management Agency (MEMA) - COVID Testing PAP 8	97.036		CTFEMA4496HARVC01885	10,266,884	-
Total for Assistance Listing Number 97.036				10,266,884	-
Total for Department of Homeland Security Subaward Received Other Programs				10,266,884	-
Department of State					
Aspen Institute - The Open Canopy: Connecting MENA US Youth	19.415		SI PFHC1 SubR 2024	63,459	-
Total for Assistance Listing Number 19.415				63,459	-
FHI Development 360 - RELO 2025 Spring School	19.421		102660.1001.002.001.158	11,633	-
Total for Assistance Listing Number 19.421				11,633	-

Harvard University
Schedule of Expenditures of Federal Awards
Year Ended June 30, 2025

Federal Grantor/Pass-through Grantor/Program or Cluster Title	Assistance Listing Number	Award Number	Pass-through Entity Identification Number	Federal Expenditures	Passed to Sub-Recipients
Fulbright University Vietnam USA - Open Policy Dialogue and Academic Collaboration with Fulbright University Vietnam	19.451		100008-0079-1	(924)	-
Total for Assistance Listing Number 19.451				(924)	-
Total for Department of State Subaward Received Other Programs				74,168	-
Total for Other Programs Subawards Received				10,341,052	-
Total for Other Programs				13,468,236	-
Economic Development Cluster					
Subaward Received					
Department of the Treasury					
COVID-19: Wyoming Business Council - Wyoming's Pathways to Growth, Jobs, and Prosperity	11.307		No Award Number	60,106	-
Total for Assistance Listing Number 11.307				60,106	-
Total for Department of the Treasury Subaward Received Economic Development Cluster				60,106	-
Total for Economic Development Cluster Subaward Received				60,106	-
Total for Economic Development Cluster				60,106	-
Head Start Cluster					
Direct Award					
DHHS					
An Ecological Approach to Emotion Socialization in the Early Childhood Classroom: Examining Contextual Influences	93.600	90YR0171-02-00		41,171	-
Total for Assistance Listing Number 93.600				41,171	-
Total for DHHS Direct Award Head Start Cluster				41,171	-
Total for Head Start Cluster Direct Award				41,171	-
Total for Head Start Cluster				41,171	-
Grand Total				\$ 839,431,735	\$ 167,421,354

Harvard University
Notes to Schedule of Expenditures of Federal Awards
Year Ended June 30, 2025

1. Basis of Presentation and Summary of Significant Accounting Policies

The accompanying Schedule of Expenditures of Federal Awards (the "Schedule") summarizes the expenditures of Harvard University (the "University") under programs of the federal government for the year ended June 30, 2025. The information in this Schedule is presented in accordance with the Title 2 U.S. Code of Federal Regulations Part 200, Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards (Uniform Guidance). Therefore, some amounts presented in this Schedule may differ from amounts presented in, or used in the preparation of, the financial statements of the University. Negative amounts represent adjustments or credits to amounts reported as expenditures in prior years in the normal course of business. Assistance Listing Numbers and pass-through numbers are provided when available. For purposes of the Schedule, Federal awards include all grants, contracts and similar agreements entered into directly between the University and agencies and departments of the Federal government and all subawards to the University by nonfederal or organizations pursuant to Federal grants, contracts and similar agreements. Expenditures reported in the Schedule are reported on the accrual basis of accounting. Such expenditures are recognized following the cost principles contained in the Uniform Guidance, as applicable, wherein certain types of expenditures are not allowable or are limited to reimbursement.

2. Facilities and Administrative Costs

The University applies its predetermined approved facilities and administrative rate when charging indirect costs to federal awards rather than the 10% or 15% de minimis cost rate, as applicable, as described in Section 200.414 of the Uniform Guidance. The University recovers facilities and administrative costs associated with sponsored agreements pursuant to separate arrangements negotiated with the University's Federal cognizant agency by each of the Medical School, T.H. Chan School of Public Health, and the University Area. Predetermined federal indirect cost rates have been established for the University Area, the Medical School (including the School of Dental Medicine), and the T.H. Chan School of Public Health through fiscal year 2025.

3. Federal Student Loan Programs

The Federal student loan programs listed below 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, the administrative cost allowance and loans made during the year are included in the federal expenditures presented in the Schedule. The balance of loans outstanding at June 30, 2025 consist of:

	Assistance Listing #:	Amount
Perkins	84.038	\$ 3,973,783
HPSSL/LDS/PCL	93.342	12,946,175
Total Federal Student Loans		\$ 16,919,958

Harvard University
Notes to Schedule of Expenditures of Federal Awards
Year Ended June 30, 2025

Loans made by the University to eligible students under the Federal student loan programs and Federally guaranteed loans issued to students during the year ended June 30, 2025 are summarized as follows:

	Assistance Listing #:		Amount
Perkins	84.038	\$	-
Net Direct Subsidized Stafford	84.268		991,045
Net Direct Unsubsidized Stafford	84.268		53,989,813
Net Direct PLUS	84.268		4,462,675
Net Direct Grad PLUS	84.268		41,961,652
HPSL/LDS/PCL	93.342		1,112,985
	Total	\$	<u>102,518,170</u>

4. Additional Note

During fiscal year 2025, the federal government terminated various awards and froze research funding. The University filed a lawsuit against various federal agencies in April 2025 and in September of 2025, a federal district court granted Harvard's motion for summary judgment, ruling that the government's freeze of research funding and termination of grants was unconstitutional and procedurally improper. Subsequent to this ruling, most terminated awards have been reinstated, and the University has received reimbursement for the majority of fiscal year 2025 expenditures incurred on these awards. The SEFA does not include these expenditures post termination date of the award through June 30, 2025, unless reinstated before June 30, 2025.

Part II
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 Joint Committee on Inspection of the Governing Boards of Harvard 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 Harvard University and its subsidiaries (the “University”) which comprise the consolidated balance sheet as of June 30, 2025, and the related consolidated statements of changes in net assets with general operating account detail and of changes in net assets of the endowment 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 15, 2025.

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 15, 2025



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

To the Joint Committee on Inspection of the Governing Boards of Harvard University

Report on Compliance for Each Major Federal Program

Opinion on Each Major Federal Program

We have audited Harvard University's (the "University") compliance with the types of compliance requirements identified as subject to audit in the OMB *Compliance Supplement* that could have a direct and material effect on each of the University's major federal programs for the year ended June 30, 2025. 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, 2025.

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
February 13, 2026

Part III
Audit Findings and Questioned Costs

Harvard University
Schedule of Findings and Questioned Costs
Year Ended June 30, 2025

I. Summary of Auditors' Results

Financial statements

Type of audit report issued Unmodified

Internal control over financial reporting:

- Material weaknesses identified? No
- Significant deficiency(ies) identified that are not considered to be material weaknesses? None reported
- Noncompliance which is material to the financial statements noted? No

Federal awards

Internal control over major programs:

- Material weaknesses identified? No
- Significant deficiency(ies) identified that are not considered to be material weaknesses? 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 2 CFR 200.516(a)? No

Identification of major programs

Assistance Listing Number

Various

Name of Federal Program or Cluster

Research and Development Cluster

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

Auditee qualifies as a low-risk auditee? Yes

II. Financial Statement Findings

None noted.

III. Findings and Questioned Costs for Federal Awards

None noted.

Harvard University
Summary of Status of Prior Audit Findings
Year Ended June 30, 2025

There are no findings from prior years that require an update in this report.