



THE JOHNS HOPKINS UNIVERSITY

Consolidated Financial Statements and Independent Auditors' Reports
Required by Title 2 U.S. Code of Federal Regulations Part 200,
*Uniform Administrative Requirements, Cost Principles, and Audit
Requirements for Federal Awards*, and Related Information

Year ended June 30, 2023

THE JOHNS HOPKINS UNIVERSITY

Consolidated Financial Statements and Independent Auditors' Reports
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Year ended June 30, 2023

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SECTION A



KPMG LLP
750 East Pratt Street, 18th Floor
Baltimore, MD 21202

Independent Auditors' Report

The Board of Trustees
The Johns Hopkins University:

Report on the Audit of the Consolidated Financial Statements

Opinion

We have audited the consolidated financial statements of The Johns Hopkins University and its subsidiaries (the University), which comprise the consolidated statement of financial position as of June 30, 2023 and 2022, and the related consolidated statements of activities, and cash flows for the year then ended, and the related notes to 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, 2023 and 2022, and the changes in its net assets and its cash flows for the year then ended in accordance with U.S. generally accepted accounting principles.

Basis for Opinion

We conducted our audits in accordance with auditing standards generally accepted in the United States of America (GAAS) and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. 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.

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 U.S. generally accepted accounting principles, and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of consolidated financial statements that are free from material misstatement, whether due to fraud or error.

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

Auditors' Responsibilities for the Audit of the Consolidated Financial Statements

Our objectives are to obtain reasonable assurance about whether the consolidated financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditors' report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS and *Government Auditing Standards* will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are



considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the consolidated) financial statements.

In performing an audit in accordance with 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.

Other Reporting Required by *Government Auditing Standards*

In accordance with *Government Auditing Standards*, we have also issued our report dated October 12, 2023, on our consideration of the University's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements and other matters. The purpose of that report is solely to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the University's internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the University's internal control over financial reporting and compliance.

KPMG LLP

Baltimore, Maryland
October 12, 2023

THE JOHNS HOPKINS UNIVERSITY

Consolidated Balance Sheets

June 30, 2023 and 2022

(In thousands)

Assets	2023	2022
Cash and cash equivalents	\$ 389,848	770,432
Operating investments	1,787,087	2,284,916
Cash, cash equivalents and operating investments	2,176,935	3,055,348
Sponsored research accounts receivable, net	640,836	617,773
Accounts receivable, net	249,370	234,369
Contributions receivable, net	954,311	269,788
Prepaid expenses and deferred charges	62,272	58,549
Student loans receivable, net	20,333	20,599
Investments	11,478,417	9,218,068
Property and equipment, net	3,544,560	3,038,744
Operating lease right-of-use assets, net	201,099	206,464
Investment in and loans to affiliates	373,430	353,439
Other assets	343,087	366,262
Postretirement assets	152,990	161,644
Interests in trusts and endowment funds held by others	128,176	129,701
Total assets	\$ 20,325,816	17,730,748
Liabilities and Net Assets		
Accounts payable and accrued expenses	\$ 888,077	891,158
Sponsored research deferred revenues	415,547	420,765
Other deferred revenues	160,321	164,347
Debt	1,861,155	1,499,262
Operating lease liabilities	234,010	226,609
Other long-term liabilities	369,690	389,290
Pension obligations	56,020	126,924
Liabilities under split-interest agreements	65,131	66,148
Endowment and similar funds held for others	683,136	691,220
Total liabilities	4,733,087	4,475,723
Net assets:		
Without donor restrictions	4,562,033	4,071,530
With donor restrictions	11,030,696	9,183,495
Total net assets	15,592,729	13,255,025
Total liabilities and net assets	\$ 20,325,816	17,730,748

See accompanying notes to consolidated financial statements.

THE JOHNS HOPKINS UNIVERSITY

Consolidated Statements of Activities

Years ended June 30, 2023 and 2022

(In thousands)

	2023	2022
Changes in net assets without donor restrictions:		
Operating revenues:		
Tuition and fees, net of financial aid of \$532,272 and \$491,411, respectively	\$ 832,499	828,476
Grants, contracts, and similar agreements	1,817,999	1,653,625
Facilities and administrative cost recoveries	459,939	425,932
Applied Physics Laboratory contract revenues	2,287,586	2,046,347
Sponsored research revenues	4,565,524	4,125,904
Contributions	211,829	195,699
Net assets released from restrictions	106,213	100,079
Contributions and donor support	318,042	295,778
Clinical services, net	891,973	831,702
Reimbursements from affiliated institutions	755,641	683,013
Other revenues	186,099	172,739
Net endowment payout used to support operations	425,725	339,175
Auxiliary enterprises	104,109	102,952
Maryland State aid	64,642	45,795
Investment return	72,669	20,840
Total operating revenues	8,216,923	7,446,374
Operating expenses:		
Compensation	3,703,250	3,409,361
Benefits	1,158,120	1,041,274
Compensation and benefits	4,861,370	4,450,635
Subcontractors and subrecipients	596,136	556,753
Contractual services	1,155,299	1,083,138
Supplies, materials, and other	730,210	664,491
Depreciation	253,400	246,366
Travel	156,943	92,442
Interest	49,545	41,632
Total operating expenses	7,802,903	7,135,457
Excess of operating revenues over operating expenses	414,020	310,917

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Consolidated Statements of Activities

Years ended June 30, 2023 and 2022

(In thousands)

	2023	2022
Other changes in net assets without donor restrictions:		
Investment return less than endowment payout	\$ (24,098)	(287,581)
Change in benefit plans funded status, excluding benefit cost	57,070	102,248
Other net periodic benefit credit	84	11,102
Change in fair value of interest rate swap agreements	3,793	15,820
Other, net	36,937	9,047
Net assets released from restrictions	2,697	12,494
Other changes in net assets without donor restrictions	<u>76,483</u>	<u>(136,870)</u>
Total changes in net assets without donor restrictions	<u>490,503</u>	<u>174,047</u>
Changes in net assets with donor restrictions:		
Contributions	2,114,515	765,695
Investment return less than endowment payout	(145,705)	(1,100,380)
Net assets released from restrictions	(108,910)	(112,573)
Other, net	(12,699)	—
Total changes in net assets with donor restrictions	<u>1,847,201</u>	<u>(447,258)</u>
Total change in net assets	<u>2,337,704</u>	<u>(273,211)</u>
Net assets at beginning of year	<u>13,255,025</u>	<u>13,528,236</u>
Net assets at end of year	<u>\$ 15,592,729</u>	<u>13,255,025</u>

See accompanying notes to consolidated financial statements.

THE JOHNS HOPKINS UNIVERSITY

Consolidated Statements of Cash Flows

Years ended June 30, 2023 and 2022

(In thousands)

	<u>2023</u>	<u>2022</u>
Cash flows from operating activities:		
Total change in net assets	\$ 2,337,704	(273,211)
Adjustments to reconcile total change in net assets to net cash provided by operating activities:		
Depreciation, amortization, and other adjustments	253,647	251,814
Noncash gift of investments	(874,715)	(542)
Contributions restricted for long-term investment	(382,807)	(493,697)
Net realized and unrealized (gains) losses from investments	(177,315)	1,100,823
Net unrealized gains from swaps	(3,793)	(15,820)
Earnings from joint ventures	(45,840)	(26,319)
Change in benefit plans' funded status	(62,250)	(107,975)
Changes in operating assets and liabilities:		
Sponsored research and accounts receivable, net	(38,064)	(143,943)
Contributions receivable, net	(684,523)	8,111
Prepaid expenses and deferred charges	(3,723)	(5,912)
Operating lease right-of-use assets, net of operating lease liabilities	12,766	(129)
Other assets	(494)	28,766
Accounts payable and accrued expenses	(14,476)	78,362
Sponsored research, other deferred revenues and other long-term liabilities	(40,790)	41,719
Interests and liabilities related to trusts and split-interest agreements	7,892	(3,589)
Net cash provided by operating activities	<u>283,219</u>	<u>438,458</u>
Cash flows from investing activities:		
Purchases of investments	(11,319,159)	(9,692,856)
Proceeds from sales and maturities of investments	10,621,980	9,518,473
Purchases of property and equipment	(572,221)	(482,718)
Prepaid lease payments	(2,232)	(43,167)
Repayments of student loans, net of disbursements	267	369
Loans to affiliates	(185)	(10,370)
Repayments of loans from affiliates	7,115	5,470
Dividends from joint ventures, net of capital contributions	18,919	15,970
Distributions from endowment and similar funds held for others	(28,780)	(27,585)
Net cash used in investing activities	<u>(1,274,296)</u>	<u>(716,414)</u>
Cash flows from financing activities:		
Contributions restricted for long-term investment	382,807	493,697
Proceeds from new debt borrowings	300,000	—
Early retirement and refinancings of debt	(1,496)	—
Scheduled debt and finance lease payments	(70,818)	(16,482)
Net cash provided by financing activities	<u>610,493</u>	<u>477,215</u>
Net (decrease) increase in cash and cash equivalents	<u>(380,584)</u>	<u>199,259</u>
Cash and cash equivalents at beginning of year	<u>770,432</u>	<u>571,173</u>
Cash and cash equivalents at end of year	\$ <u>389,848</u>	\$ <u>770,432</u>

See accompanying notes to consolidated financial statements.

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Notes to Consolidated Financial Statements

June 30, 2023 and 2022

(Dollars in thousands)

(1) Basis of Presentation and Summary of Significant Accounting Policies

(a) General

The Johns Hopkins University (the University) is a premier, privately endowed institution that provides education and related services to students and others, research and related services to sponsoring organizations, and professional medical services to patients. The University is based in Baltimore, Maryland, but also maintains facilities and operates education programs elsewhere in Maryland, in Washington, D.C., and in certain foreign locations. The University is internationally recognized as a leader in research, teaching, and medical care.

Education and related services (e.g., room, board, etc.) are provided to approximately 32,000 students, including 17,000 full-time students and 15,000 part-time students, and on a net basis provided approximately 10% and 11% of the University's operating revenues in fiscal 2023 and fiscal 2022, respectively. Approximately 67% of the full-time students are graduate level (including postdoctoral) and 33% are undergraduate level. Students are drawn from a broad geographic area, including most of the states in the United States and numerous foreign countries. The majority of the part-time students are graduate level students from the Baltimore-Washington, D.C. area.

Research and related services (e.g., research training) are provided through approximately 2,400 government and private sponsors. Sponsored research revenues provided approximately 56% and 55% of the University's operating revenues in fiscal years 2023 and 2022, respectively. Approximately 88% of those revenues were from departments and agencies of the United States government in fiscal years 2023 and 2022. Major government sponsors include the Department of Health and Human Services, the Department of Defense, the National Aeronautics and Space Administration, and the Agency for International Development.

Professional clinical services are provided by members of the University's faculty to patients at The Johns Hopkins Hospital (the Hospital) and other hospitals and outpatient care facilities in the Baltimore area and produced approximately 11% of the University's operating revenues in fiscal years 2023 and 2022. Services are predominantly provided to patients in the Baltimore area, other parts of Maryland, or surrounding states.

(b) Basis of Presentation and Use of Estimates

The consolidated financial statements include the accounts of the various academic and support divisions, the Applied Physics Laboratory (APL), 63019 Holdings, LLC, Johns Hopkins University Press, and certain other controlled affiliated organizations, including Jhpiego Corporation and Peabody Institute of the City of Baltimore (collectively, the consolidated financial statements). All significant inter-entity activities and balances are eliminated for financial reporting purposes. Investments in organizations that the University does not control, including Dome Corporation, FSK Land Corporation, Johns Hopkins Healthcare LLC, Johns Hopkins Home Care Group, Inc., Johns Hopkins Medical Institutions Utilities LLC (JHMI Utilities LLC), Johns Hopkins Medicine International LLC, and other affiliated entities, are accounted for using the equity method.

The preparation of consolidated financial statements in conformity with U.S. generally accepted accounting principles requires management to make estimates and judgments that affect the reported

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(Dollars in thousands)

amounts of assets and liabilities and disclosures of contingencies at the dates of the consolidated financial statements and revenues and expenses recognized during the reporting periods. Actual results could differ from those estimates.

Net assets, revenues, gains and losses are classified based on the existence or absence of donor-imposed restrictions into two classes of net assets. Accordingly, net assets of the University are classified and reported as follows:

- *Without donor restrictions* – Net assets that are not subject to donor-imposed stipulations.
- *With donor restrictions* – Net assets subject to donor-imposed stipulations that are more specific than broad limits resulting from a not-for-profit's nature, environment in which it operates, and incorporating documents. Some donors impose restrictions that are temporary in nature, for example, stipulating that resources be used only after a specified date, for particular programs or services, or to acquire buildings or equipment. Other donors impose restrictions that are perpetual in nature, for example, donor-restricted endowment funds stipulating that resources be maintained in perpetuity. For such funds held by the University, the Maryland-enacted version of the Uniform Prudent Management of Investment Funds Act (UPMIFA) extends those restrictions to related investment returns and to other enhancements (diminishments) for general and specific purposes, primarily divisional and departmental support and student financial aid.

Revenues are reported as increases in net assets without donor restrictions unless their use is limited by donor-imposed 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 explicit donor stipulations or by law. Under Maryland law, appreciation on donor-restricted endowments is classified as net assets with donor restrictions until appropriated for expenditure. Expirations of temporary restrictions on net assets (i.e., the donor-stipulated purpose has been fulfilled and/or the stipulated time period has elapsed) are reported as net assets released from restrictions and reclassified from net assets with donor restrictions to net assets without donor restrictions. Temporary restrictions on gifts to acquire long-lived assets are considered met in the period in which the assets are placed in service.

(c) Cash, Cash Equivalents, and Operating Investments

The University utilizes cash, cash equivalents, and operating investments to fund daily cash needs. For purposes of the consolidated statements of cash flows, investments with original maturities at the date of purchase of 90 days or less are classified as cash equivalents. Investments with longer maturities are classified as operating investments. Operating investments, which include U.S. Treasury securities and other highly liquid fixed income investments, are stated at fair value, generally based on quoted market prices, and are used for general operating purposes. Cash and cash equivalents held for endowment and long-term investment purposes are classified as investments.

(d) Contributions

Contributions, including unconditional promises to give, are recognized at fair value in the appropriate category of net assets in the period received, except that contributions that impose restrictions met in the same fiscal year are included in net assets without donor restrictions. Unconditional promises to

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(Dollars in thousands)

give are recognized initially at fair value considering anticipated future cash receipts and discounting such amounts at a risk-adjusted rate. These inputs to the fair value estimate are considered Level 3 in the fair value hierarchy (see note 1(f)). Amortization of the discount is included in contributions revenue. Conditional promises to give are not recognized until one or more of the barriers have been overcome for the University to be entitled to the assets transferred and a right of return for the transferred assets or a right of release of the promisor's obligation to transfer assets has expired. Contributions of assets are recorded at their estimated fair value at the date of gift, except that contributions of works of art, historical treasures, and similar assets held as part of collections are not recognized or capitalized. Allowance is made for uncollectible contributions receivable based upon management's judgment and analysis of the creditworthiness of the donors, past collection experience, and other relevant factors.

(e) *Investments and Investment Return*

Investments in United States government and agency obligations, debt securities, and directly held United States and certain international equities in common collective trust funds (CCTFs) are stated at fair value, which are determined primarily based on quoted market prices. Fair values of CCTFs, similar to mutual funds that are deemed to have a readily determinable fair value (RDFV) are based on published net asset values (NAV). Investments in private equity and venture capital, certain real estate, natural resources, certain international equities in CCTFs and absolute return funds (collectively, alternative investments) are stated at estimated fair value based on the funds' net asset values, or their equivalents (collectively, NAV) as a practical expedient. If it is probable that alternative investments will be sold for an amount different than NAV, measurement of the alternative investments will be adjusted to fair value. As of June 30, 2023, and 2022, the University had no plans or intentions to sell investments at amounts different from NAV.

The NAVs, which are estimated and reported by the general partners or investment managers, are reviewed and evaluated by the University's investment office. These estimated fair values may differ from the values that would have been used had a ready market existed for these investments, and the differences could be significant. Investments in certain real estate assets are recorded at fair value based upon independent third-party appraisals.

Investments are exposed to several risks, including interest rate, credit, liquidity, and overall market volatility. Due to the level of risk associated with certain investment securities, changes in the value of investment securities could occur in the near term, and these changes could materially affect the amounts reported in the accompanying consolidated financial statements. Liquidity risk represents the possibility that the University may not be able to rapidly adjust the size of its portfolio holdings in times of high volatility and financial stress at a reasonable price. If the University was forced to dispose of an illiquid investment at an inopportune time, it might be forced to do so at a substantial discount to fair value.

Investment return included in operating revenues consists of income and realized gains and losses on operating investments, including cash equivalents, and nonpooled endowment funds (except where restricted by donors). Endowment payout for pooled endowment and similar funds approved by the Board of Trustees is also recognized in operating revenues.

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Unrealized gains and losses of operating investments and nonpooled endowment funds, any difference between the total return recognized and the payout for pooled endowment and similar funds, and income and realized gains restricted by donors are reported as other changes within the statement of activities – after operating activities.

(f) Fair Value Measurements

Assets and liabilities that are reported at fair value on a recurring basis are categorized into a fair value hierarchy. As described further in the notes to the consolidated financial statements, such assets include investments, deferred compensation assets, and interests in trusts and endowment funds held by others, and such liabilities include interest rate swaps, obligations under deferred compensation arrangements, and endowment and similar funds held for others. Fair value is defined as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. The three levels of the fair value hierarchy are as follows:

- Level 1: Quoted prices in active markets or published NAV for identical assets or liabilities.
- Level 2: Observable inputs other than Level 1 prices such as quoted prices for similar assets or liabilities; quoted prices in markets that are not active; or other inputs that are observable or can be corroborated by observable market data for substantially the full term of the assets or liabilities.
- Level 3: Unobservable inputs that are supported by little or no market activity and that are significant to the fair value of the assets or liabilities.

When observable prices are not available, certain real asset investments are valued using one or more of the following valuation techniques: market approach – this approach uses prices and other relevant information generated by market transactions involving identical or comparable assets or liabilities; income approach – this approach determines a valuation by discounting future cash flows; or cost approach – this approach is based on the principle of substitution and the concept that a market participant would not pay more than the amount that would currently be required to replace the asset. These valuation techniques may include inputs such as price information, operating statistics, specific and broad credit data, recent transactions, earnings forecasts, discount rates, reserve reports, and other factors.

(g) Split-Interest Agreements and Interests in Trusts

The University's split-interest agreements with donors consist primarily of irrevocable charitable remainder trusts and charitable gift annuity agreements for which the University serves as trustee. Assets held under these arrangements are included in investments and are recorded at fair value. Contribution revenues are recognized at the date the trusts or agreements are established after recording liabilities for the present value of the estimated future payments to be made to the donors and/or other beneficiaries. The liabilities are adjusted during the terms of the trusts for changes in the values of the assets, accretion of the discounts, and other changes in estimates of future benefits. As of June 30, 2023 and 2022, assets under the University's charitable gift annuity agreements, held in a segregated account, were \$54,906 and \$54,865, respectively, and are classified in investments, and liabilities were \$27,658 and \$27,751, respectively, and are classified in liabilities under split-interest agreements.

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(h) Property and Equipment

Property and equipment are stated at cost if purchased, or at estimated fair value at the date of gift if donated, less accumulated depreciation and amortization. Depreciation of buildings, equipment, and library collections and amortization of leasehold improvements are computed using the straight-line method over the estimated useful lives of the assets or lease term, if shorter. Land and certain historic buildings are not subject to depreciation. Title to certain equipment purchased using funds provided by government sponsors is vested in the University and is included in property and equipment on the consolidated balance sheets. Certain equipment used by the APL in connection with its performance under agreements with the United States government is owned by the government. These facilities and equipment are not included in the consolidated balance sheets; however, the University is accountable to the government for them. Repairs and maintenance costs are expensed as incurred.

Costs of purchased software are capitalized along with internal and external costs incurred during the application development stage (i.e., from the time the software is selected until it is ready for use). Capitalized costs are amortized on a straight-line basis over the expected life of the software. Computer and software maintenance costs are expensed as incurred.

Costs relating to retirement, disposal, or abandonment of assets for which the University has a legal obligation to perform certain activities are accrued using either site-specific surveys or square foot estimates, as appropriate.

(i) Tuition and Fees, Net of Financial Aid

Student tuition and fees are recorded as revenue in the year the related academic services are rendered, which generally aligns with the University's fiscal year. Tuition and fees received in advance of services provided are reported in other deferred revenues and amounted to \$108,495 and \$113,695 at June 30, 2023 and 2022, respectively. The University provides institutional financial aid to eligible students, generally in an "aid package" that may also include loans, compensation under work-study programs, and/or grant and scholarship awards. The loans are provided primarily through programs of the United States government (including direct and guaranteed loan programs) under which the University is responsible only for certain administrative duties. The institutional grants and scholarships include awards provided from gifts and grants from private donors, income earned on endowment funds restricted for student aid, and University funds.

The composition of tuition and fees, net revenue was as follows for the years ended June 30, 2023 and 2022:

	<u>2023</u>	<u>2022</u>
Undergraduate programs	\$ 166,967	164,429
Graduate programs	606,406	610,711
Other programs	<u>59,126</u>	<u>53,336</u>
	<u>\$ 832,499</u>	<u>828,476</u>

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June 30, 2023 and 2022
(Dollars in thousands)

Other programs include the University's Center for Talented Youth (a gifted education program for school-age children), continuing medical education, health services, and various nondegree programs.

(j) Grants, Contracts, and Similar Agreements

Grants, contracts, and similar agreements are funded by various federal and private sponsors. The vast majority of such agreements are considered nonexchange transactions and restricted by sponsors for specific research or other program purposes. Revenues are recognized within net assets without donor restrictions as conditions are met, (i.e., generally as qualifying expenditures are incurred). These revenues include recoveries of facilities and administrative costs, which are generally determined as a negotiated or agreed-upon percentage of direct costs, with certain exclusions. Payments received from sponsors in advance of conditions being met are reported as sponsored research deferred revenues. Of the \$415,547 in sponsored research deferred revenues as of June 30, 2023, \$345,473 relates to nonexchange transactions and \$70,074 relates to exchange transactions. As of June 30, 2022, of the \$420,765 in sponsored research deferred revenues, \$353,308 relates to nonexchange transactions and \$67,457 relates to exchange transactions.

Approximately 77% and 78% of receivables related to reimbursement of costs incurred under grants and contracts as of June 30, 2023 and 2022, respectively, were from agencies or departments of the United States government. There is no assurance that sponsored research activities can and will continue to be made at current levels as awards are subject to the availability of and annual appropriation of funds. The University estimates that conditional awards outstanding as of June 30, 2023 approximate or exceed its recent annual sponsored program activity.

(k) Clinical Services, Net

Clinical services revenues are recognized in the period in which services are rendered based on gross charges less negotiated fixed discounts (explicit price concessions) which include contractual adjustments specific to the third party payor contracts, less amounts for "implicit price concessions". Fixed discounts are generally determined based on regulatory authorities, determined by legislative statute (Medicare and Medicaid), or negotiated in the case of commercial payors. Implicit price concessions are estimated based on the historical collection experience using a portfolio approach as a practical expedient.

The composition of clinical services revenue by primary payor for the years ended June 30, 2023 and 2022 was as follows:

	2023		2022	
Commercial third parties	\$ 481,734	54.0 %	436,262	52.5 %
Medicare	172,037	19.3	165,072	19.9
Medicaid	84,032	9.4	78,311	9.4
Patients	80,706	9.1	75,216	9.0
All other clinical	73,464	8.2	76,841	9.2
	<u>\$ 891,973</u>	<u>100.0 %</u>	<u>831,702</u>	<u>100.0 %</u>

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(l) *Affiliated Institutions*

The University has separate administrative agreements for the exchange of services with the Hospital and other medical and educational institutions. These agreements are executed on an annual basis based on negotiated rates and reimbursement of actual costs. Costs incurred by the University in providing services to these institutions and the related reimbursements are generally recognized as services are provided and are reported as operating expenses and revenues, respectively, in the appropriate classifications.

The University holds several endowment and similar funds, which are designated for purposes or activities that are carried out by the Hospital and The Johns Hopkins Hospital Endowment Fund Incorporated (JHHEFI). The assets of these funds are included in investments. The carrying values of the funds are adjusted for earnings from and changes in the fair values of the investments and reduced for any distributions paid and are classified as liabilities on the consolidated balance sheets as endowment and similar funds held for others.

(m) *Auxiliary Enterprises*

Auxiliary enterprises, including residence halls, food service, parking, the press, and telecommunications, provide services to students, faculty, and staff. Fees for such services are recognized as revenue as the services are provided. Student related activities included in auxiliary enterprises amounted to \$56,033 and \$53,803 in fiscal 2023 and 2022, respectively.

(n) *Other Revenues*

Other revenues include revenues from royalties and patents, medical and professional reimbursements, joint ventures, and other miscellaneous activities. Such revenues are recognized when goods or services are provided to customers.

(o) *Insurance and Self Insurance*

The University, together with other institutions, has formed captive insurance companies that arrange and provide professional liability, general liability, and property damage insurance for their shareholders. Defined portions of claims paid by these companies are self-insured. The University's claims liabilities are recognized as claims are incurred using actuarial studies based upon historical claims data, cost trends, and other actuarial estimates. Insurance expenses are recognized as operating expenses as incurred. In addition, the University is self-insured for certain other risks, primarily health, and workers' compensation. Professional insurance liabilities associated with providing clinical services are reported as gross claims on the consolidated balance sheets as other long-term liabilities, aggregated \$104,591 and \$109,279 as of June 30, 2023 and 2022, respectively. In addition, medical malpractice insurance recoveries of \$81,267 and \$81,583 as of June 30, 2023 and 2022, respectively, are reported on the consolidated balance sheets as other assets and the corresponding liabilities are reported as other long-term liabilities.

(p) *Refundable Advances from the United States Government*

Funds provided by the United States government under the Federal Perkins, Nursing, and Health Professions Student Loan programs are loaned to qualified students, administered by the University,

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and may be reloaned after collections. These funds are ultimately refundable to the government and are included in other long-term liabilities. These advances totaled \$13,560 and \$13,165 as of June 30, 2023 and 2022, respectively.

(q) Income Taxes

The University is qualified as a not-for-profit organization under Section 501(c)(3) of the Internal Revenue Code, as amended. Accordingly, it is not subject to income taxes except to the extent it has taxable income from activities that are not related to its exempt purpose. The University annually reviews its tax positions and has determined that there are no material uncertain tax positions that require recognition in the consolidated financial statements.

(r) Leases

The University conducts certain operations in third-party and related party facilities and determines if an arrangement contains a lease at the inception of a contract. Right-of-use assets, net represents the University's right to use an underlying asset for the lease term and lease liabilities represent the University's obligation to make lease payments arising from the lease. Operating and finance lease right-of-use assets and related lease liabilities are recognized at the lease commencement date based on the present value of lease payments over the lease term discounted using an appropriate incremental borrowing rate. The incremental borrowing rate is based on the estimated interest rate for borrowing over a term similar to that of the lease payments available at commencement of the lease. The value of an option to extend a lease is reflected to the extent it is reasonably certain management will exercise that option.

Certain leases require payment for taxes, insurance, and maintenance. These variable lease payments are recognized in contractual services in the consolidated statements of activities, but are not included in the right-of-use asset or liability balances in the consolidated balance sheets.

Operating leases are included in operating right-of-use assets, net and operating lease liabilities in the consolidated balance sheets. Finance leases are included in property and equipment, net and debt in the consolidated balance sheets. Lease expense for lease payments is recognized on a straight line basis over the lease term. Interest expense is recognized as a component of the lease payments for finance leases.

Rental income arising from operating leases as a lessor is included in operating revenue in other revenues in the consolidated statements of activities.

(s) Derivative Financial Instruments

The University and its external investment managers are authorized to use specified derivative financial instruments in managing the assets under their control, subject to restrictions and limitations adopted by the Board of Trustees. The University uses interest rate swap agreements to manage interest rate risk associated with certain variable rate debt or to adjust its debt structure. Derivative financial instruments are measured at fair value and recognized in the consolidated balance sheets as assets or liabilities, with changes in fair value recognized in the consolidated statements of activities.

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(t) *Deferred Compensation Plans*

The University maintains deferred compensation plans for certain employees. As of June 30, 2023 and 2022, other investments, included in other assets on the consolidated balance sheets, represent investments held by the University under these deferred compensation agreements. Such amounts approximate the University's related liability to the employees and are included in other long-term liabilities. The assets and liabilities of the deferred compensation plans are categorized in Level 1 of the fair value hierarchy. The fair value of deferred compensation plan assets as of June 30, 2023 and 2022 is \$175,032 and \$159,293, respectively.

(u) *Statement of Cash Flows Supplemental Information*

Property and equipment additions included in accounts payable and accrued expenses increased \$11,395 and \$20,728 as of June 30, 2023 and 2022, respectively. During the year ended June 30, 2023, the University acquired finance lease right-of-use assets of \$134,187 and reclassified prior year prepaid lease payments of \$41,640 to finance lease right-of-use assets (see note 15). Noncash investing activities for the years ended June 30, 2023 and 2022 included \$13,312 and (\$100,171), respectively, attributable primarily to increases (decreases) in the fair value of endowment and similar funds held for others.

(v) *Reclassifications*

Certain 2022 amounts have been reclassified in order to conform to the 2023 presentation.

(w) *New Accounting Standards*

Accounting Standards Update (ASU) 2016-13 *Financial Instruments – Credit Loss: Measurement of Credit Losses on Financial Instruments*, as amended, was issued by the Financial Accounting Standards Board (FASB) in June 2016 and is effective for the University in fiscal 2024. The ASU requires credit losses to be recognized on most financial assets carried at amortized cost (such as accounts and loans receivables from students, clinical receivables and certain other instruments). Under the ASU, credit losses are estimated over the entire contractual term of the instrument (adjusted for prepayment) from the date of initial recognition. The new ASU removes the requirement that a credit loss be probable of occurring for it to be recognized and requires entities to use historical experience, current economic conditions and reasonable and supportable forecasts to estimate their future expected credit losses. The ASU is to be applied using the modified retrospective basis with a cumulative effect adjustment to net assets at the beginning of the fiscal year that it is adopted. The University is currently evaluating the expected impact of this ASU on its fiscal 2024 consolidated financial statements.

(x) *Related Parties*

Members of the Board of Trustees, officers, and employees are subject to the University's conflict of interest policies, under which business and financial relationships must be disclosed and are subject to review and approval. Disclosures about the University's related party transactions, including with affiliated institutions, are described in notes 1, 11, 15 and 16 to the consolidated financial statements.

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(2) Applied Physics Laboratory

The Applied Physics Laboratory (APL), located in Howard County, Maryland, was established during World War II with funding from the United States government. APL functions as a research facility and conducts research and development primarily in national defense and space sciences. The University owns and operates the facility and conducts research under a multiple task order contract with the United States Navy (the Navy Contract) and separate contracts with other government agencies. APL is organized as a Limited Liability Company (LLC), wholly owned by the University, and operates as a division of the University.

In accordance with an agreement between the United States government and the University, APL has been designated a national resource. Under the agreement, if the University determines that it can no longer sponsor APL or the Secretary of the Navy determines that the Navy can no longer contract with the University with respect to APL on mutually satisfactory terms, the University is required to establish a charitable trust to provide for the continued availability of the APL. The trust would be administered by five trustees and the corpus would consist of the University's interest in the APL facilities, including land to the extent necessary, and the balances in the University's APL stabilization, contingency, and research fund on the date the trust is established, less certain costs. Upon termination of the trust, the corpus, in whole or in part, as determined by the trustees, would be returned to and held and used by the University for such educational or research purposes and in such manner as the trustees and University agree.

The largest contract is with the U.S. Navy. The current contract provides for a five-year initial term ending in September 2027, with a five-year renewal option. The initial ceiling amount is \$4,396,000 and the five-year option adds \$6,204,000 of ceiling for an aggregate purchase limit to \$10,600,000 over the ten-year contract-ordering period ending September 2032.

Approximately 70% and 69% of APL's revenues in fiscal years 2023 and 2022 were from the Department of Defense and 23% and 21% were from the National Aeronautics and Space Administration, respectively. Contract work includes evaluation and design of various types of missile systems and command, control, and communication systems, assessment of submarine technologies, design of space systems for precision tracking, location and navigation, and conduct of space experiments. The contracts define costs for which reimbursements may be received and provide a management fee to the University. The Navy Contract requires that a portion of the fees earned under the Navy Contract are to be retained and used for various purposes, including, among other things, working capital, capital projects, and reserves.

APL principally provides research and development under cost plus fixed-fee contracts for which revenue is recognized in the period that costs are incurred. Contract accounts receivable are recorded at invoiced amounts. The allowance for doubtful accounts is estimated based on historical trends of past-due accounts, and specific identification and review of past-due accounts.

Revenue from contracts with customers is recognized when control of the promised goods or services is transferred in an amount that reflects the consideration to which the University expects to be entitled in exchange for those goods or services (i.e., the transaction price).

Contracts awarded by federal and other sponsors, which are considered exchange transactions, are recognized as revenue as performance obligations are satisfied, which is generally as qualifying

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expenditures are incurred. Total revenue from contracts was \$2,252,346 and \$2,013,543 for the years ended June 30, 2023 and 2022, respectively.

Total revenue from nonexchange transactions, which are primarily grants, was \$35,240 and \$32,804 for the years ended June 30, 2023 and 2022, respectively.

(3) Accounts Receivable

Accounts receivable, net are summarized as follows as of June 30, 2023 and 2022:

	<u>2023</u>	<u>2022</u>
Affiliated institutions, primarily the Hospital (note 11)	\$ 19,564	26,056
Students	42,371	47,845
Others	<u>92,702</u>	<u>69,893</u>
Total, net of allowances of \$9,723 in 2023 and \$9,576 in 2022	154,637	143,794
Receivables for clinical professional fees, net of explicit and implicit price concessions of \$229,791 in 2023 and \$196,075 in 2022	<u>94,733</u>	<u>90,575</u>
	<u>\$ 249,370</u>	<u>234,369</u>

The mix of gross accounts receivable for clinical professional fees from patients and third-party payors consisted of the following as of June 30, 2023 and 2022: commercial third parties 47% for both 2023 and 2022; Medicare 22% and 21%, respectively; Medicaid 14% and 13%, respectively; and patients 17% and 19%, respectively.

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(4) Contributions Receivable

Contributions receivable, net are summarized as follows as of June 30, 2023 and 2022:

	<u>2023</u>	<u>2022</u>
Unconditional promises scheduled to be collected in:		
Less than one year	\$ 778,676	84,233
One year to five years	202,402	159,762
Over five years	<u>39,710</u>	<u>47,275</u>
	1,020,788	291,270
Less unamortized discount (interest rates ranging from 0.29% to 4.13%) and allowances for uncollectible contributions	<u>66,477</u>	<u>21,482</u>
	<u>\$ 954,311</u>	<u>269,788</u>

As of June 30, 2023 and 2022, 85% and 52%, respectively, of the gross contributions receivable were due from ten donors. Approximately 90% and 68% of contribution revenues in fiscal 2023 and fiscal 2022 were from ten donors. As of June 30, 2023, the University had also been informed of conditional promises to give aggregating in excess of \$589,000, which have not been recognized as assets or revenues. Such gifts will generally be restricted for specific purposes stipulated by the donors, primarily endowments for faculty support, scholarships, or general operating support of a particular department or division of the University.

(5) Investments and Investment Return

The overall investment objective of the University is to invest its assets in a prudent manner that will achieve a long-term rate of return sufficient to fund a portion of its annual operating activities and increase investment value after inflation. The University diversifies its investments among various asset classes incorporating multiple strategies and managers. The Committee on Investments of the Board of Trustees oversees the University's investment program in accordance with established guidelines, which cover asset allocation and performance objectives and impose various restrictions and limitations on the managers. These restrictions and limitations are specific to each asset classification and cover concentrations of market risk (at both the individual issuer and industry group levels), credit quality of fixed-income and short-term investments, use of derivatives, investments in foreign securities, and various other matters. The managers may make use of exchange-traded interest rate futures contracts, forward currency contracts, and other derivative instruments.

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Investments are summarized as follows as of June 30, 2023 and 2022:

	2023	2022
Operating investments	\$ 1,787,087	2,284,916
Investments	<u>11,478,417</u>	<u>9,218,068</u>
	<u>\$ 13,265,504</u>	<u>11,502,984</u>
Cash and cash equivalents	\$ 97,114	381,017
United States government and agency obligations	1,822,323	2,080,853
Debt securities	1,623,182	839,162
United States equities	1,483,896	1,458,990
International equities	1,243,313	939,428
Private equity and venture capital	2,425,874	2,241,229
Real estate	397,739	412,530
Natural resources	665,090	626,658
Absolute return	<u>3,506,973</u>	<u>2,523,117</u>
	<u>\$ 13,265,504</u>	<u>11,502,984</u>

Investments includes \$121,450 and \$402,942 of positions sold or redeemed as of June 30, 2023 and 2022, respectively, but settled in cash subsequent to the fiscal year-end. These investments are primarily included in U.S. equities, international equities, and absolute return.

The following table summarizes the University's investments as of June 30, 2023 and 2022 for which NAV was used as a practical expedient to estimate fair value:

	Fair value determined using NAV		Unfunded commitments ⁽¹⁾		Redemption frequency	Redemption notice period
	2023	2022	2023	2022	2023	2023
United States equities	\$ 1,321,836	1,045,180	28,859	38,840	1% Monthly 15% Quarterly 24% Annually	0 to 150 days
International equities	876,991	751,295	—	—	60% 2- to 5-Year 37% Monthly 35% Quarterly 13% Annually 15% 3- to 5-Year	10 to 90 days
Private equity and venture capital	2,344,080	2,184,392	1,378,557	1,008,032	N/A	N/A
Real estate	318,018	317,982	102,040	79,404	N/A	N/A
Natural resources	604,919	587,795	64,942	67,145	N/A	N/A
Absolute return	<u>3,500,610</u>	<u>2,523,117</u>	<u>312,773</u>	<u>623,639</u>	See chart below	0 to 120 days ⁽²⁾
	<u>\$ 8,966,454</u>	<u>7,409,761</u>	<u>1,887,171</u>	<u>1,817,060</u>		

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- (1) Excludes unfunded commitments of \$13,500 related to debt securities included in Level 2 as of June 30, 2023.
- (2) Investments liquidated through drawdowns total \$476,305 and \$280,851 as of June 30, 2023 and 2022, respectively.

The unfunded commitments may be drawn down over the next several years upon request by the general partners and fund managers. The University expects to finance these commitments with available cash and expected proceeds from the sales of securities.

Absolute return funds, excluding drawdown funds, have the following redemption periods as of June 30, 2023 and 2022:

	<u>2023</u>	<u>2022</u>
Quarterly redemptions	\$ 1,244,352	593,186
Annual redemptions	129,252	255,519
Quarterly or annually over 1- to 3-year period	1,262,465	1,252,700
Rolling 3- to 5-year redemptions	<u>388,236</u>	<u>140,861</u>
	<u>\$ 3,024,305</u>	<u>2,242,266</u>

Information with respect to investee strategies and redemptions for those investments in funds whose fair value is estimated based upon reported NAVs follow:

(a) United States Equities

This includes interests in commingled funds that invest primarily in publicly traded common stock of domestic companies. Funds offer redemptions monthly, quarterly, annually, or over the course of 2 to 5 years, with various notice requirements ranging from 0 to 150 days.

(b) International Equities

This includes interests in commingled funds that invest primarily in publicly traded common stock of developed and emerging market companies. Funds offer redemptions monthly, quarterly, or annually, or over the course of 3 to 5 years, with various notice requirements typically ranging from 10 to 90 days.

(c) Private Equity and Venture Capital

This includes interests in funds making investments in leveraged buyouts of both public and private companies, as well as venture capital and growth-stage investments in private companies. These investments primarily make distributions to investors through the liquidation of the underlying assets. It is expected to take up to 15 years to fully distribute these assets.

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(d) *Real Estate*

This includes interests in funds making investments in real estate. These investments primarily make distributions to investors through the liquidation of underlying assets. It is expected to take up to 15 years to fully distribute these assets.

(e) *Natural Resources*

This includes interests in funds making investments in oil and gas, timber, agriculture, minerals, and other commodities. These investments primarily make distributions to investors through the liquidation of the underlying assets. It is expected to take up to 15 years to fully distribute these assets.

(f) *Absolute Return*

This includes interests in hedge funds, drawdown funds that implement strategies classified as long/short equity, credit and distressed debt, relative value, event-driven, or multi-strategy. Hedge funds structures have various redemption periods as summarized in the table above, with notice requirements ranging from 0 to 120 days. Drawdown funds are primarily organized as limited partnerships where distributions are made to investors through the liquidation of the underlying assets. It is expected to take up to 15 years to fully distribute these assets.

Investment return is classified in the consolidated statements of activities as follows for the years ended June 30, 2023 and 2022:

	<u>2023</u>	<u>2022</u>
Without donor restrictions:		
Operating, including endowment payout	\$ 498,394	360,015
Nonoperating	(24,098)	(287,581)
With donor restrictions	<u>(145,705)</u>	<u>(1,100,380)</u>
	<u>\$ 328,591</u>	<u>(1,027,946)</u>

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(6) Fair Value Measurements

The following table presents investments that are measured at fair value on a recurring basis as of June 30, 2023:

	Fair value as of June 30, 2023	Level 1	Level 2	Level 3	Funds at NAV
Operating investments:					
United States government and agency obligations	\$ 1,407,618	1,407,618	—	—	—
Debt securities	379,469	177,388	202,081	—	—
Total operating investments	<u>1,787,087</u>	<u>1,585,006</u>	<u>202,081</u>	<u>—</u>	<u>—</u>
Investments, at fair value:					
Cash and cash equivalents	97,114	97,114	—	—	—
United States government and agency obligations	414,705	292,981	121,724	—	—
Debt securities	1,243,713	1,131,451	112,262	—	—
United States equities	1,483,896	159,406	2,654	—	1,321,836
International equities	1,243,313	366,322	—	—	876,991
Private equity and venture capital	2,425,874	—	—	81,794	2,344,080
Real estate	397,739	18,121	—	61,600	318,018
Natural resources	665,090	75	—	60,096	604,919
Absolute return	3,506,973	—	—	6,363	3,500,610
Total investments, at fair value	<u>11,478,417</u>	<u>2,065,470</u>	<u>236,640</u>	<u>209,853</u>	<u>8,966,454</u>
Total investments	<u>\$ 13,265,504</u>	<u>3,650,476</u>	<u>438,721</u>	<u>209,853</u>	<u>8,966,454</u>

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The following table presents investments that are measured at fair value on a recurring basis as of June 30, 2022:

	Fair value as of June 30, 2022	Level 1	Level 2	Level 3	Funds at NAV
Operating investments:					
United States government and agency obligations	\$ 1,872,272	1,872,272	—	—	—
Debt securities	412,644	170,862	241,782	—	—
Total operating investments	<u>2,284,916</u>	<u>2,043,134</u>	<u>241,782</u>	<u>—</u>	<u>—</u>
Investments, at fair value:					
Cash and cash equivalents	381,017	381,017	—	—	—
United States government and agency obligations	208,581	207,458	1,123	—	—
Debt securities	426,518	426,518	—	—	—
United States equities	1,458,990	412,083	1,727	—	1,045,180
International equities	939,428	188,133	—	—	751,295
Private equity and venture capital	2,241,229	882	—	55,955	2,184,392
Real estate	412,530	18,848	—	75,700	317,982
Natural resources	626,658	—	—	38,863	587,795
Absolute return	2,523,117	—	—	—	2,523,117
Total investments, at fair value	<u>9,218,068</u>	<u>1,634,939</u>	<u>2,850</u>	<u>170,518</u>	<u>7,409,761</u>
Total investments	<u>\$ 11,502,984</u>	<u>3,678,073</u>	<u>244,632</u>	<u>170,518</u>	<u>7,409,761</u>

The methods and assumptions used to estimate the fair value of investments are defined in note 1(f).

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The following table presents the University's activity for Level 3 investments measured at fair value on a recurring basis for the years ended June 30, 2023 and 2022:

	Debt securities	U.S. equities	Private equity and venture capital	Absolute return	Real estate	Natural resources	Total
Balance as of June 30, 2021	\$ 600	340	55,413	—	254,956	34,081	345,390
Transfers between levels	—	—	2,468	—	—	—	2,468
Net realized and unrealized gain (loss)	—	7,967	3,261	—	(609)	8,859	19,478
Sales and distributions	(600)	(71,848)	(10,930)	—	(191,972)	(4,668)	(280,018)
Purchases and contributions	—	63,541	5,743	—	13,325	591	83,200
Balance as of June 30, 2022	—	—	55,955	—	75,700	38,863	170,518
Transfers between levels	—	—	—	—	—	—	—
Net realized and unrealized gain (loss)	—	—	(945)	(652)	(14,100)	(4,492)	(20,189)
Sales and distributions	—	—	(786)	(1,717)	—	(7,425)	(9,928)
Purchases and contributions	—	—	27,570	8,732	—	33,150	69,452
Balance as of June 30, 2023	\$ —	—	81,794	6,363	61,600	60,096	209,853

For the year ended June 30, 2023 there were no transfers between levels. For the year ended June 30, 2022, private equity assets totaling \$1,357 moved from Level 3 to Level 1 due to public market events, while private equity assets totaling \$3,825 moved from NAV to Level 3.

(7) Property and Equipment

Property and equipment, net, are summarized as follows as of June 30, 2023 and 2022:

	2023	2022	Range of useful lives
Land	\$ 143,115	130,717	N/A
Land improvements	119,016	118,857	15 years
Buildings and leasehold improvements	4,400,441	4,072,432	10–40 years
Equipment	1,303,689	1,209,787	7–15 years
Capitalized software costs	141,682	137,548	3–10 years
Library collections	417,234	398,941	25 years
Construction in progress	1,040,062	756,366	N/A
	7,565,239	6,824,648	
Less accumulated depreciation and amortization	4,020,679	3,785,904	
	\$ 3,544,560	3,038,744	

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(8) Debt

Debt is summarized as follows as of June 30, 2023 and 2022:

	<u>2023</u>	<u>2022</u>
Bonds payable, net	\$ 1,404,176	1,114,246
Notes payable – taxable	261,733	265,684
Commercial paper revenue notes – taxable	70,000	70,000
Finance lease obligations (note 15)	<u>125,246</u>	<u>49,332</u>
	<u>\$ 1,861,155</u>	<u>1,499,262</u>

(a) Bonds Payable

Bonds payable were 1) issued by the Maryland Health and Higher Educational Facilities Authority (MHHEFA) or 2) taxable bonds issued directly, and consist of the following as of June 30, 2023 and 2022:

	<u>2023</u>	<u>2022</u>
Revenue Bonds Series 2005A, variable effective rate (3.68%), due July 2036	\$ 69,265	69,265
Taxable Bonds 2013 Series A, 4.08%, due through July 2053	355,000	355,000
Revenue Bonds Series 2013B, 4.25% to 5.00%, due through July 2041	65,250	73,845
Taxable Bonds 2015 Series A, 3.75%, due through July 2045	150,000	150,000
Taxable Bonds 2020 Series A, 1.97% to 2.81%, due through January 2060	470,000	470,000
Taxable Bond 2022 Series A, 4.705% due through July 2032	<u>300,000</u>	<u>—</u>
Subtotal	1,409,515	1,118,110
Premium and discount, net	1,018	1,272
Debt issuance cost, net	<u>(6,357)</u>	<u>(5,136)</u>
	<u>\$ 1,404,176</u>	<u>1,114,246</u>

The bonds payable outstanding as of June 30, 2023 and 2022 are unsecured general obligations of the University. The loan agreements generally provide for semiannual payments of interest.

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(b) Notes Payable – Taxable

Notes payable – taxable consist of the following as of June 30, 2023 and 2022:

	2023	2022
Note, 2.74%, due November 2023	\$ 25,000	25,000
Note, 2.89%, due November 2024	19,855	20,945
Note, 2.90%, due November 2024	20,898	21,689
Note, 2.94%, due November 2027	24,000	25,000
Note, 3.83%, due October 2028	25,000	25,000
Note, 3.92%, due November 2028	46,980	48,050
Notes, 4.16%, due May 2048	50,000	50,000
Note, 4.50%, due November 2049	50,000	50,000
	<u>\$ 261,733</u>	<u>265,684</u>

The notes due November 2023 through November 2049 are unsecured general obligations of the University.

(c) Commercial Paper

Under the commercial paper program, the University may have commercial paper outstanding of up to \$600,000. The notes are unsecured, bear interest at rates that are fixed at the date of issue and may have maturities up to 270 days from the date of issue. The taxable notes outstanding as of June 30, 2023 and 2022 bear interest at a weighted average rate of 5.20% and 1.75%, respectively.

(d) Other Credit Agreements

The following summarizes the University's standby liquidity and line of credit agreements with several commercial banks as of June 30, 2023:

Amount	Maturity	Purpose
\$ 100,000	March 2024	Revolving line of credit
100,000	September 2023	Standby liquidity agreement
50,000	December 2025	Standby liquidity agreement
200,000	April 2026	Standby liquidity agreement
50,000	September 2023	Line of credit
50,000	March 2024	Line of credit
100,000	October 2025	Line of credit
100,000	March 2026	Line of credit

The University may borrow up to \$100,000 under a revolving line of credit designated for working capital purposes at APL. Advances under the revolving line of credit are unsecured, due on demand,

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and bear interest at a rate that varies based on certain market indices. There were no borrowings on the revolving line of credit as of June 30, 2023 and 2022.

To support liquidity under the bond and commercial paper revenue notes programs, the University has three standby liquidity agreements with commercial banks. These agreements are intended to enable the University to fund the purchase of variable rate demand bonds, in the event they are unable to be tendered and not remarketed, and to pay the maturing principal of and interest on commercial paper notes in the event they cannot be remarketed. Advances under these agreements are unsecured, bear interest at a rate that varies based on certain market indices, and are due by the stated expiration date unless extended by a term loan. There were no borrowings under any of the University's standby credit facilities during fiscal 2023 and 2022. The University also has four lines of credit available for liquidity purposes.

(e) Interest Rate Swap Agreements

Under interest rate swap agreements, the University and the counterparties agree to exchange the difference between fixed rate and variable rate interest amounts calculated by reference to specified notional principal amounts during the agreement period. Notional principal amounts are used to express the volume of these transactions, but the cash requirements and amounts subject to credit risk are substantially less.

The following table summarizes the general terms of the University's fixed payor swap agreements as of June 30, 2023:

Effective date	Notional amount	Termination date	Interest rate paid	Interest rate received
June 2005	\$ 69,265	July 2036	3.87 %	SIFMA, 4.18% as of June 30, 2023
July 2007	4,485	July 2027	3.45	67% of 1-month LIBOR, 3.48% as of June 30, 2023
Total	\$ <u>73,750</u>			

Parties to interest rate swap agreements are subject to market risk for changes in interest rates and risk of credit loss in the event of nonperformance by the counterparty.

The fair value of each swap is the estimated amount the University would receive or pay to terminate the swap agreement at the reporting date considering current interest rates and creditworthiness of the swap counterparties. The aggregate fair value of the University's interest rate swap agreements as of June 30, 2023 and 2022 was a liability of \$5,802 and \$9,595, respectively, excluding accrued interest, and is reported as other long-term liabilities. Changes in the fair value of the interest rate swap agreements are reported as nonoperating activities. The change in fair value was a gain of \$3,793 and \$15,820 in fiscal 2023 and 2022, respectively.

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The University is required to post collateral under these agreements when certain thresholds are exceeded. As of June 30, 2023 and 2022, the required collateral was \$0.

(f) Annual Principal Payments

The following table summarizes the aggregate annual maturities of bonds payable, notes payable, as well as taxable commercial paper, for the five fiscal years subsequent to June 30, 2023:

	Bonds payable	Notes payable	Commercial paper notes	Total
2024	\$ —	30,375	—	30,375
2025	—	43,093	—	43,093
2026	—	4,280	—	4,280
2027	—	4,380	—	4,380
2028	—	21,110	—	21,110
Thereafter	1,409,515	158,495	70,000	1,638,010
	<u>\$ 1,409,515</u>	<u>261,733</u>	<u>70,000</u>	<u>1,741,248</u>

Due to requirements to pay the trustee in advance of the payment due date, scheduled maturities in the table above are reflected in the fiscal year that they will be paid to the trustee.

(g) Interest Costs

Total interest costs incurred and paid were \$62,390 in 2023 and \$52,361 in 2022, of which \$13,829 in 2023 and \$10,810 in 2022 were capitalized.

(9) Net Assets

Net assets without donor restrictions consists of the following as of June 30, 2023 and 2022:

	2023	2022
Net investment in plant	\$ 1,683,405	1,539,481
Board-designated endowments	2,598,872	1,170,661
Undesignated	279,756	1,361,388
	<u>\$ 4,562,033</u>	<u>4,071,530</u>

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Net assets with donor restrictions consists of the following as of June 30, 2023 and 2022:

	2023	2022
Donor-restricted endowment funds	\$ 7,939,993	7,073,811
Contributions receivable for endowment	746,890	69,612
Contributions receivable for operating	196,266	180,661
Contributions restricted for facilities	1,141,716	942,260
Land subject to time and purpose restrictions	35,600	27,700
Perpetual trusts for scholarship and program support	73,085	73,889
Other contributions, including annuities and other trusts	897,146	815,562
	<u>\$ 11,030,696</u>	<u>9,183,495</u>

Other contributions, including annuities and other trusts are restricted for faculty support, research, and program support.

(10) University Endowment

The University's endowment consists of approximately 4,600 individual funds established for a variety of purposes and includes both donor-restricted endowment funds and funds designated by the Board of Trustees to function as endowments. Net assets associated with endowment funds are classified and reported based on the existence or absence of donor-imposed restrictions.

The Board of Trustees of the University has interpreted the Maryland enacted version of Uniform Prudent Management of Institutional Funds Act (UPMIFA) as allowing the University to appropriate for expenditure or accumulate so much of an endowment fund as the University determines is prudent for the uses, benefits, purposes, and duration for which the endowment fund is established, subject to the intent of the donor as expressed in the gift instrument.

The Board of Trustees of the University manages and invests the individual endowment funds in the exercise of ordinary business care and prudence under facts and circumstances and considering the purposes, factors, and other requirements of UPMIFA. The University classifies as net assets with donor restrictions (a) the original value of gifts donated, which are donated to the endowment, (b) the original value of subsequent gifts to the endowment, and (c) accumulations to the endowment, which are not expendable on a current basis in accordance with the directions of the applicable donor gift instrument at the time the accumulation is added to the fund. At times, the fair value of individual donor restricted endowment funds may be in an underwater position (fall below historical book value) and are reported in net assets with donor restrictions. With respect to underwater endowments, the spending occurs only to the extent that the fair value of the endowment fund is 75% of historical book value.

The University has adopted investment policies for its endowment, including board-designated funds, which attempt to provide a predictable stream of funding in support of the operating budget, while seeking to preserve the real value of the endowment assets over time. The University relies on a total return strategy under which investment returns are achieved through both appreciation (realized and unrealized) and yield

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(interest and dividends). Investments are diversified by asset class, as well as by investment manager and style, with a focus on achieving long-term return objectives within prudent risk constraints.

Subject to the intent of the donor, the Board of Trustees appropriates for expenditure or accumulates funds in the endowments in the exercise of ordinary business care and prudence under the facts and circumstances and considering the purposes, factors, and other requirements of UPMIFA. The annual appropriation is determined in the context of the University's spending rate policy. The current policy, which is based on a long-term investment return assumption as well as an estimated inflation factor, targets the appropriation to be in a range of 4.5% to 5.5% of the prior three years' average value of the endowment.

Endowment net assets consist of the following as of June 30, 2023:

	Without donor restrictions	With donor restrictions	Total
Investments by type of fund:			
Donor-restricted endowments:			
Historical gift value	\$ —	6,452,987	6,452,987
Appreciation	—	1,487,006	1,487,006
Board-designated endowments	<u>2,598,872</u>	<u>—</u>	<u>2,598,872</u>
Total endowment net assets	<u>\$ 2,598,872</u>	<u>7,939,993</u>	<u>10,538,865</u>

Endowment net assets consist of the following as of June 30, 2022:

	Without donor restrictions	With donor restrictions	Total
Investments by type of fund:			
Donor-restricted endowments:			
Historical gift value	\$ —	5,392,848	5,392,848
Appreciation	—	1,680,963	1,680,963
Board-designated endowments	<u>1,170,661</u>	<u>—</u>	<u>1,170,661</u>
Total endowment net assets	<u>\$ 1,170,661</u>	<u>7,073,811</u>	<u>8,244,472</u>

As of June 30, 2023, donor-restricted endowments with an original gift value of \$439,074 were underwater by \$31,913. As of June 30, 2022, donor-restricted endowments with an original gift value of \$372,203 were underwater by \$25,891. These deficits resulted from unfavorable market fluctuations that occurred shortly after the investment of newly established endowments and authorized appropriation that was deemed prudent.

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Changes in endowment net assets for the years ended June 30, 2023 and 2022 are as follows:

	Without donor restrictions	With donor restrictions	Total
Endowment net assets, June 30, 2021	\$ 1,326,013	7,989,266	9,315,279
Investment return	(169,288)	(793,896)	(963,184)
Contributions and designations	66,612	189,425	256,037
Appropriation for expenditure	(52,676)	(310,984)	(363,660)
Endowment net assets, June 30, 2022	1,170,661	7,073,811	8,244,472
Investment return	85,565	169,230	254,795
Contributions and designations	1,435,682	1,056,181	2,491,863
Appropriation for expenditure	(93,036)	(359,229)	(452,265)
Endowment net assets, June 30, 2023	\$ <u>2,598,872</u>	<u>7,939,993</u>	<u>10,538,865</u>

Appropriation for expenditure with donor restrictions for the years ended June 30, 2023 and 2022 includes \$26,540 and \$24,485, respectively, not used in current year operations but which is intended for future use.

Endowments are to be utilized for the following purposes as of June 30, 2023:

	Without donor restrictions	With donor restrictions	Total
Faculty support	\$ 317,644	2,914,318	3,231,962
Scholarship support	166,340	3,525,146	3,691,486
Program support	2,007,428	862,233	2,869,661
Research	107,460	638,296	745,756
	\$ <u>2,598,872</u>	<u>7,939,993</u>	<u>10,538,865</u>

Endowments are to be utilized for the following purposes as of June 30, 2022:

	Without donor restrictions	With donor restrictions	Total
Faculty support	\$ 332,414	2,522,654	2,855,068
Scholarship support	206,609	3,285,610	3,492,219
Program support	484,108	617,016	1,101,124
Research	147,530	648,531	796,061
	\$ <u>1,170,661</u>	<u>7,073,811</u>	<u>8,244,472</u>

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(11) Affiliated Institutions

Reimbursements from affiliated institutions consist of the following for the years ended June 30, 2023 and 2022:

	<u>2023</u>	<u>2022</u>
Johns Hopkins Health System	\$ 68,285	58,852
Johns Hopkins Hospital	364,678	335,935
Johns Hopkins Bayview Medical Center	103,716	91,499
Other Johns Hopkins entities	170,567	147,625
Other affiliated medical institutions	48,395	49,102
	<u>\$ 755,641</u>	<u>683,013</u>

(a) The Johns Hopkins Health System (JHHS)

JHHS is incorporated and governed separately from the University and is the parent entity of an academically based health system, which includes the Hospital, Johns Hopkins Bayview Medical Center, Howard County General Hospital, Suburban Hospital, Sibley Memorial Hospital, All Children's Hospital, and other related organizations. The University and JHHS have established a Board of Johns Hopkins Medicine (JHM) to direct, integrate, and coordinate the clinical activities of the two organizations. JHM does not have the authority to incur debt or issue guarantees and its annual budgets require the approval of the Boards of Trustees of both the University and JHHS.

Reimbursements from JHHS relate primarily to contractual services for clinical and nonclinical operations.

In fiscal 2023, the University and JHHS entered into a conditional agreement whereby JHHS may provide annual funding to the School of Medicine, aggregating to a maximum of \$450,000 over a seven-year period, to support the research and educational missions of the School. The funding will be subject to evaluation and approval annually by the JHHS Board of Trustees. In fiscal 2023, \$75,000 was received and reported in the consolidated statement of activities as contributions in changes in net assets without donor restrictions. Future contributions have not been recognized in the consolidated financial statements due to the conditional nature of the agreement.

In fiscal 2021, JHHS provided an unconditional pledge of \$66,000 to support the recruitment of clinical faculty at the School of Medicine, which was reported in the consolidated statement of activities as contributions in changes in net assets with donor restrictions. Amounts received from JHHS in FY23 and FY22 amounted to \$6,074 and \$751, respectively.

(b) The Hospital

The Hospital is a member of JHHS and serves as the primary teaching facility of the University's School of Medicine. Because of the closely related nature of their operations, the University and the Hospital share facilities and provide services to each other to fulfill their purposes more effectively. The

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sharing of facilities and services is negotiated annually and set forth in a Joint Administrative Agreement (JAA). Charges to the Hospital under the JAA, related primarily to the provision of professional medical services from the University, aggregated \$294,708 in fiscal 2023 and \$269,373 in fiscal 2022. Charges to the University under the JAA, related primarily to contractual services, aggregated \$52,505 in fiscal 2023 and \$51,810 in fiscal 2022, and are included in operating expenses in the consolidated statements of activities.

(c) Johns Hopkins Bayview Medical Center (JHBMC)

JHBMC is a community-based teaching hospital and long-term care facility. The University and JHBMC also share facilities and provide services to each other and negotiate the costs annually under a JAA. Charges to JHBMC under the JAA, related primarily to the provision of professional medical services from the University, aggregated \$92,681 in fiscal 2023 and \$83,901 in fiscal 2022.

(d) The Johns Hopkins Hospital Endowment Fund Incorporated (JHHEFI)

In July 2007, the University and JHHEFI entered into an agreement whereby JHHEFI transferred approximately \$381,000 to the University to invest in the University's Endowment Investment Pool (EIP) and have the University manage these assets on JHHEFI's behalf. The funds were invested with other University assets in the University's name and title, and in accordance with the University's EIP investment policies and objectives. JHHEFI receives payouts as determined by their Board of Trustees and may terminate the agreement upon 180 days' written notice with liquidations to be made over a three-year period as specified in the agreement. The assets are included in investments in the consolidated balance sheets, and a corresponding liability of \$553,712 and \$557,033 is included in endowment and similar funds held for others as of June 30, 2023 and 2022, respectively. The corresponding liability has a fair value measurement of Level 3. JHHEFI's assets represent approximately 7.2% of the combined investment pool of \$7,638,201 as of June 30, 2023.

(e) Jointly Owned Entities

As of June 30, 2023 and 2022, the University and JHHS and its affiliates jointly own several entities that are accounted for on the equity method. The University's aggregate investments in and advances to these joint ventures was \$359,367 and \$347,138 as of June 30, 2023 and 2022, respectively. Equity in operating earnings of affiliates aggregated approximately \$45,127 in fiscal 2023 and \$30,866 in fiscal 2022.

In 2005, one of these entities, JHMI Utilities LLC, was formed to provide utility services for the East Baltimore campus. The University and Hospital, each owning 50% of JHMI Utilities LLC, provide all of its funding, including debt service, through payments for services received. Utility and telecommunications services provided to the University in fiscal 2023 and 2022 were \$32,195 and \$31,571, respectively. JHMI Utilities LLC has an agreement with the University to finance a portion of the costs of installation of, and subsequent upgrades to, an enterprise information technology system that provides integrated patient care information and service across JHM. The project has been successfully implemented with the total project cost at approximately \$323,000 as of June 30, 2023. The cost of implementing the enterprise information technology strategy was financed through a combination of loans from, or guarantees by, the University and JHHS. The University committed to funding up to \$36,800 of the project. As of June 30, 2023 and 2022, \$6,200 and \$10,300, respectively,

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was outstanding on the loan. In addition, the University has agreed to guarantee a pooled loan of up to \$5,700.

Although the University's ownership interest in each of the jointly owned entities is generally 50%, the University and JHHS have entered into separate agreements whereby certain activities or lines of business within these entities are not shared equally.

The following table summarizes the aggregate condensed financial information of the jointly owned entities and the University's proportionate share of the entities as of and for the years ended June 30, 2023 and 2022, respectively:

	2023		2022	
	Total	University interest	Total	University interest
Assets	\$ 1,626,159	665,424	1,390,647	589,464
Liabilities	958,556	389,130	783,412	332,329
Operating revenues	3,431,416	1,379,503	3,340,454	1,339,182
Operating expenses	3,305,143	1,334,376	3,256,458	1,308,316

(12) Pension and Postretirement Benefit Plans

The University has several benefit plans that are available to substantially all full-time employees. Most of these plans are qualified defined contribution plans for which the University's policy is to fund benefit costs as earned. The University also has a defined benefit pension plan covering bargaining unit employees and those classified as support staff. Benefit plan expenses were \$308,299 in fiscal 2023 and \$283,992 in fiscal 2022, including \$288,788 and \$265,859, respectively, related to defined contribution plans. Of the total benefit expense, APL's defined contribution plan accounted for \$110,633 in fiscal 2023 and \$102,214 in fiscal 2022.

Effective July 1, 2011, the University closed the support staff pension plan to new participants other than bargaining unit employees. In addition, the University offered a choice to current participants between the current support staff pension plan and its 403(b) plan. The University has retiree benefits plans that provide postretirement medical benefits to employees, including those at APL, who meet specified minimum age and service requirements at the time they retire. The University pays a portion of the cost of participants' medical insurance coverage. The University's portion of the cost for an individual participant depends on various factors, including the age, years of service, and time of retirement or retirement eligibility of the participant. The University has established a trust fund for its retiree benefits plans and intends to make contributions to the fund approximately equal to the annual net postretirement benefit cost. In fiscal year 2022, the University completed an experience study to review the assumptions used to calculate the benefit obligation of the pension and postretirement plans. The study resulted in a revision to some assumptions and gains. In fiscal years 2023 and 2022, the pension benefit obligation significantly decreased due to an increase in discount rates from the prior year.

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In 2010, the Patient Protection and Affordable Care Act and the Health Care and Education Reconciliation Act (collectively, the Health Care Acts) were signed into law. The Health Care Acts include several provisions that may affect the University's postretirement benefit plans, and have been considered in the measurement of the postretirement benefit obligation.

The University uses a June 30 measurement date for its defined benefit pension plan and retiree benefit plans. Information relating to the benefit obligation, assets, and funded status of the defined benefit pension plan and the postretirement benefit plans as of and for the years ended June 30, 2023 and 2022 is summarized as follows:

	Pension plan		Postretirement plans	
	2023	2022	2023	2022
Change in benefit obligation:				
Benefit obligation at beginning of year	\$ 727,410	923,248	157,853	282,555
Service cost	10,072	15,344	3,657	8,613
Interest cost	32,812	24,771	7,647	7,087
Participant contributions	—	—	13,607	11,983
Plan amendment	—	—	9,577	—
Actuarial gain	(45,140)	(208,022)	(3,379)	(128,909)
Benefits paid	(28,595)	(27,931)	(26,225)	(24,130)
Medicare subsidies received	—	—	677	654
Benefit obligation at end of year	<u>696,559</u>	<u>727,410</u>	<u>163,414</u>	<u>157,853</u>
Change in plan assets:				
Fair value of plan assets at beginning of year	600,486	731,123	319,497	401,425
Actual return on plan assets	49,244	(119,849)	9,428	(71,873)
University contributions	19,404	17,143	—	—
Participant contributions	—	—	13,027	13,421
Benefits paid	(28,595)	(27,931)	(26,225)	(24,130)
Medicare subsidies received	—	—	677	654
Fair value of plan assets at end of year	<u>640,539</u>	<u>600,486</u>	<u>316,404</u>	<u>319,497</u>
Funded status recognized as (pension obligation) postretirement asset, net	\$ <u>(56,020)</u>	<u>(126,924)</u>	<u>152,990</u>	<u>161,644</u>

The accumulated benefit obligation for the pension plan was \$680,919 and \$707,909 as of June 30, 2023 and 2022, respectively.

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The table below reflects the net pension and postretirement benefit cost reported in operating as benefits expense and nonoperating as other net periodic benefit cost for the years ended June 30, 2023 and 2022:

	Pension plan		Postretirement plans	
	2023	2022	2023	2022
Operating:				
Service cost	\$ 10,072	15,344	3,657	8,613
Total operating, included in benefits expense	10,072	15,344	3,657	8,613
Nonoperating:				
Interest cost on accumulated benefit obligation	32,812	24,771	7,647	7,087
Amortization of prior service cost	624	531	1,708	505
Expected return on plan assets	(28,253)	(33,601)	(12,619)	(15,914)
Amortization of actuarial loss (gain)	4,149	10,098	(6,152)	(4,579)
Total nonoperating	9,332	1,799	(9,416)	(12,901)
Total net pension and postretirement benefit cost (credit)	\$ 19,404	17,143	(5,759)	(4,288)

The table below reflects the changes in plan assets, pension obligations, and postretirement assets recognized as nonoperating items for the years ended June 30, 2023 and 2022:

	Pension plan		Postretirement plans	
	2023	2022	2023	2022
New prior service cost	\$ —	—	9,577	—
Net gain for the year	(66,131)	(54,572)	(188)	(41,121)
Amortization of prior service cost	(624)	(531)	(1,708)	(505)
Amortization of net (gain) loss	(4,149)	(10,098)	6,153	4,579
Net (credit) cost recognized in nonoperating activities	\$ (70,904)	(65,201)	13,834	(37,047)

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The weighted average assumptions used to determine benefit obligations and net periodic benefit costs are as follows:

	Pension plan		Postretirement plans	
	2023	2022	2023	2022
Weighted average assumptions used to determine benefit obligations at June 30:				
Discount rate	5.12 %	4.61 %	5.10%–5.12%	4.57%–4.60%
Average rate of compensation increase	2.90	2.90	N/A	N/A
Rate of increase in healthcare costs for next year	N/A	N/A	6.30	5.80
Weighted average assumptions used to determine net periodic benefit cost:				
Discount rate	4.61 %	2.72 %	4.59%–4.60%	2.60%–2.79%
Expected rate of return on plan assets	5.50	5.50	4.00	4.00
Rate of compensation increase	2.90	2.90	N/A	N/A
Rate of increase in healthcare costs	N/A	N/A	6.60	6.00

The expected long-term rate of return for the assets of the plans is based on historical and expected long-term future asset class returns. The rate is reviewed annually and adjusted as appropriate to reflect changes in projected market performance or in the targeted asset allocations.

The rate of increase in healthcare costs was assumed to begin with an initial rate of 6.6% in 2023 and decrease to 4.0% in 2046 and to remain at that level thereafter. Assumed healthcare cost trend rates have a significant effect on the reported postretirement benefit cost and obligation.

(a) Plans' Assets

The purpose of the pension and postretirement plans is to meet the retirement benefit obligations of eligible University employees. The plans' assets are invested with the objective of meeting these obligations under the rules stipulated by the Employee Retirement Income Security Act.

An asset allocation has been established, which endeavors to adequately cover the liability stream posed by the beneficiaries of the plans and minimize the frequency and amount of the plans' contributions by the University. The intended benefits of this diversification are reduced risk and improved investment returns.

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(b) Pension Plan

The following table presents the fair value and categorization within the fair value hierarchy of the assets of the defined benefit pension plan as of June 30, 2023 and 2022 are as follows:

	2023			2022		
	Total	Level 1	Funds at NAV	Total	Level 1	Funds at NAV
Cash and cash equivalents	\$ 5,270	5,270	—	928	928	—
Fixed income securities	196,870	189,117	7,753	209,667	203,869	5,798
United States equities and international equities	272,240	227,804	44,436	283,296	251,051	32,245
Absolute return	166,159	—	166,159	106,595	—	106,595
Total	<u>\$ 640,539</u>	<u>422,191</u>	<u>218,348</u>	<u>600,486</u>	<u>455,848</u>	<u>144,638</u>

(c) Postretirement Plans

The following table presents the fair value and categorization within the fair value hierarchy of the assets of the postretirement plans as of June 30, 2023 and 2022 are as follows:

	2023			2022		
	Total	Level 1	Funds at NAV	Total	Level 1	Funds at NAV
Cash and cash equivalents	\$ 8,627	8,627	—	5,062	5,062	—
Fixed income securities	218,613	218,613	—	227,265	227,265	—
United States equities and international equities	20,886	1,483	19,403	36,630	19,355	17,275
Absolute return	68,278	—	68,278	50,540	—	50,540
Total	<u>\$ 316,404</u>	<u>228,723</u>	<u>87,681</u>	<u>319,497</u>	<u>251,682</u>	<u>67,815</u>

The Plans have no unfunded commitments to fund managers as of June 30, 2023 and 2022.

The University's target asset allocations for the pension plan and the postretirement plans as of June 30, 2023 and 2022 are as follows:

	Pension plan		Postretirement plans	
	2023	2022	2023	2022
Fixed income securities	40 %	30 %	75 %	75 %
United States equities and international equities	50	60	15	15
Absolute return	10	10	10	10
Total	<u>100 %</u>	<u>100 %</u>	<u>100 %</u>	<u>100 %</u>

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(d) Cash Flows

The University expects to contribute \$11,760 to the pension plan in fiscal 2024.

Employer benefits expected to be paid, net of expected retiree contributions to be received in the five years subsequent to June 30, 2023 and in aggregate for the five fiscal years thereafter, are as follows:

	<u>Pension plan</u>	<u>Postretirement plans</u>
2024	\$ 34,098	11,747
2025	36,087	11,971
2026	38,032	12,014
2027	39,914	12,069
2028	41,718	12,136
2029–2033	229,645	60,345

There are no Medicare subsidies to be received in future years.

(13) Functional Expense Information

Operating expenses by nature and function are summarized as follows for the year ended June 30, 2023:

	<u>2023 Programs</u>							
	<u>Instruction, research and clinical practice</u>	<u>APL</u>	<u>Student services</u>	<u>Auxiliaries</u>	<u>Libraries</u>	<u>Total Programs</u>	<u>Institutional support</u>	<u>Total expenses</u>
Compensation	\$ 2,256,351	1,043,963	82,581	30,674	13,131	3,426,700	276,550	3,703,250
Benefits	568,902	473,015	23,382	9,614	4,096	1,079,009	79,111	1,158,120
Subcontractors and subrecipients	368,429	227,707	—	—	—	596,136	—	596,136
Contractual services	718,606	101,920	70,657	54,729	7,440	953,352	201,947	1,155,299
Supplies, materials and other	424,401	208,219	7,518	29,955	7,501	677,594	52,616	730,210
Depreciation	106,921	87,047	6,132	8,463	18,185	226,748	26,652	253,400
Travel	121,976	24,025	4,270	561	272	151,104	5,839	156,943
Interest	34,114	—	1,669	3,446	717	39,946	9,599	49,545
Total	<u>\$ 4,599,700</u>	<u>2,165,896</u>	<u>196,209</u>	<u>137,442</u>	<u>51,342</u>	<u>7,150,589</u>	<u>652,314</u>	<u>7,802,903</u>

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Operating expenses by nature and function are summarized as follows for the year ended June 30, 2022:

	2022 Programs							Total expenses
	Instruction, research and clinical practice	APL	Student services	Auxiliaries	Libraries	Total Programs	Institutional support	
Compensation	\$ 2,085,964	957,709	70,907	21,001	14,449	3,150,030	259,331	3,409,361
Benefits	514,731	421,713	19,837	5,838	4,113	966,232	75,042	1,041,274
Subcontractors and subrecipients	349,070	207,683	—	—	—	556,753	—	556,753
Contractual services	680,443	92,523	63,707	52,257	9,831	898,761	184,377	1,083,138
Supplies, materials and other	399,719	169,960	9,008	29,251	7,908	615,846	48,645	664,491
Depreciation	95,027	86,252	4,402	8,288	17,931	211,900	34,466	246,366
Travel	68,759	17,316	2,531	226	215	89,047	3,395	92,442
Interest	27,923	—	1,063	2,805	657	32,448	9,184	41,632
Total	<u>\$ 4,221,636</u>	<u>1,953,156</u>	<u>171,455</u>	<u>119,666</u>	<u>55,104</u>	<u>6,521,017</u>	<u>614,440</u>	<u>7,135,457</u>

Costs related to the operation and maintenance of property, including depreciation of property and equipment and interest on related debt, are allocated to program and supporting activities based upon periodic inventories of facilities. Other net periodic benefit credit recorded in nonoperating expense was \$84 and \$11,102 for the years ended June 30, 2023 and 2022, respectively.

(14) Liquidity and Availability

The University regularly monitors liquidity required to meet its operating needs and other contractual commitments, while also striving to maximize the investment of its available funds.

As of June 30, the following assets could readily be available within one year to meet general expenditures:

	2023	2022
Cash and cash equivalents	\$ 389,848	747,526
Operating investments	755,870	421,522
Sponsored research accounts receivable, net	640,836	617,773
Accounts receivable, net	249,369	234,369
Contributions receivable, net	49,591	35,056
Expected endowment payout for upcoming fiscal year	562,020	434,300
Investments in and loans to affiliates	5,102	7,209
Payout from interests in trusts and endowment funds held for others	<u>4,697</u>	<u>4,406</u>
Financial assets available to meet general expenditures over the next year	<u>\$ 2,657,333</u>	<u>2,502,161</u>

The University has various sources of liquidity at its disposal, including cash and cash equivalents, marketable debt securities, lines of credit, and a commercial paper facility.

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The University's cash flows have seasonal variations during the year attributable to tuition billings, patient service billings and concentration of contributions received at calendar and fiscal year-end. Operating investments have been reduced for an estimate of expenditures that will occur on grants and gifts beyond one year, as well as for cash received for capital contributions and expected board-designated transfers to the endowment. Principal and interest on student loans are not included as those amounts are used solely to make new loans and are, therefore, not available to meet current operating needs. Based on historical experience, only the portion of contributions receivable for operations expected to be received within one year is considered liquid and is therefore included. Investments in and loans to affiliates include only the loan principal payments due from affiliates in the next year.

(15) Leases

The University leases facilities used in its academic and research operations under long-term operating and finance leases, including certain facilities from the Hospital under a renewable one year lease. This lease provides for a rent equal to the cost to the Hospital for maintaining the facilities and has been renewed for the year ending June 30, 2024.

For the years ended June 30, 2023 and 2022, the components of lease expense are as follows:

	<u>2023</u>	<u>2022</u>
Lease cost:		
Finance lease expense:		
Amortization of right-of-use assets	\$ 4,452	4,452
Interest on lease obligations	2,881	3,225
Operating lease expense	53,812	53,999
Variable lease expense	47,131	47,748
Short-term lease expense	4,697	4,554
Total lease expense	<u>\$ 112,973</u>	<u>113,978</u>
Other information:		
Operating lease right-of-use assets obtained in exchange for new operating lease liabilities	\$ 52,590	20,873
Weighted average remaining lease term:		
Finance leases	29.91 yrs.	6.77 yrs.
Operating leases	6.91 yrs.	6.60 yrs.
Weighted average discount rate:		
Finance leases	5.29 %	6.38 %
Operating leases	3.25	2.38

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Payments due include options, where reasonably certain, to extend operating leases through fiscal year 2107 and are summarized below as of June 30, 2023:

	<u>Affiliates</u>	<u>Others</u>	<u>Total</u>
2024	\$ 13,809	37,577	51,386
2025	12,259	31,750	44,009
2026	9,249	26,522	35,771
2027	5,291	23,918	29,209
2028	2,366	21,989	24,355
After 2028	<u>2,183</u>	<u>79,196</u>	<u>81,379</u>
	45,157	220,952	266,109
Less amounts representing interest	<u>2,080</u>	<u>30,019</u>	<u>32,099</u>
Total operating lease liabilities	\$ <u><u>43,077</u></u>	<u><u>190,933</u></u>	<u><u>234,010</u></u>

Payments due for finance leases through fiscal year 2031 are summarized below as of June 30, 2023:

2024	\$ 50,262
2025	34,121
2026	19,650
2027	17,065
2028	12,810
After 2028	<u>6,735</u>
	140,643
Less amounts representing interest	<u>15,397</u>
Total finance lease liabilities	\$ <u><u>125,246</u></u>

As of June 30, 2023, the gross amount of finance right-of-use assets and accumulated depreciation thereon are reflected in property and equipment and amounted to \$253,385 and \$51,358, respectively.

The following presents supplemental cash flow information for the years ended June 30, 2023 and 2022 as it relates to cash paid for amounts included in the measurement of lease liabilities:

	<u>2023</u>	<u>2022</u>
Operating cash flows for operating leases	\$ 51,816	53,851
Operating cash flows for finance leases	2,881	5,059
Financing cash flows for finance leases	58,273	3,225

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In June 2021, the University signed a 40-year lease agreement with the Hospital for approximately 65% of the total space in a research facility scheduled to be completed before the end of fiscal 2026. Two of the three wings in the facility are expected to be available for use during fiscal 2025. The University will be responsible for approximately 65% of the total core and shell costs, which are estimated to range from \$300,000 to \$320,000, and will fund its share of these costs as prepayments under the lease on a monthly basis during the construction and renovation period. In addition, the University will fund its own tenant improvements during this period. As of June 30, 2023, the University's estimated aggregate remaining minimum lease payments were \$89,055, which have been included within payments due for finance leases from fiscal 2024 through fiscal 2026 in the table above. In 2023, the University made prepayments on the lease of \$54,863 and \$43,167 as of June 30, 2023 and 2022, respectively. In fiscal 2023, the lease commenced on two of the three wings, creating a finance right-of-use asset and a finance lease liability of \$175,827 and \$81,557, respectively, at June 30, 2023. The finance right-of-use asset is included in property and equipment, net and the finance lease liability is included in debt. Prepayments of \$3,760 related to the third wing are included in other assets at year end.

(16) Other Commitments and Contingencies

(a) Guarantees

The University and the Hospital have also provided guarantees of principal and interest payments related to loans granted to JHMI Utilities LLC under the MHHEFA Pooled Loan Program. As of June 30, 2023, the University's guarantee amounted to \$5,700 and continues until maturity of the loans occurring through 2029. No guarantee obligation has been recognized.

(b) Regulatory and Legal Matters

Amounts received and expended by the University under various federal and state programs are subject to audit by governmental agencies. In the opinion of management, audit adjustments, if any, will not have a material adverse effect on the financial position of the University.

The University is subject to various claims, litigation, tax, and other assessments in connection with its domestic and foreign operations. In the opinion of management, adequate provision has been made for losses on these matters, where material, including insurance for malpractice and general liability claims, and their ultimate resolution will not have a material adverse effect on the financial position of the University.

(i) Specific Matter

In January 2022, class action lawsuits were filed against multiple peer universities alleging violations of the antitrust laws; in February 2022, the University was added as a defendant in the suits. Defendants' Motions to Dismiss were denied in August 2022, and the case proceeded into the discovery phase, which is ongoing. The claims in the litigation allege that the defendants conspired in violation of the antitrust laws through their involvement with the "Section 568 Presidents Group," formed originally in the 1990s following congressional enactment of an exemption from the antitrust laws for so-called "need blind" institutions of higher education. The University continues to vigorously defend this lawsuit. While the outcome cannot currently be determined, the University does not believe the matter will have a material adverse effect on its financial position.

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(17) Subsequent Events

The University evaluated subsequent events through October 12, 2023, which is the date the consolidated financial statements were issued. There were no additional matters that required adjustment to or disclosure in the consolidated financial statements.

SECTION B

THE JOHNS HOPKINS UNIVERSITY
Schedule of Expenditures of Federal Awards
Year ended June 30, 2023

Federal grantor/pass-through grantor/program or cluster title	Federal Assistance listing number	Direct award or pass-through entity identifying number	Passed through to subrecipients	Total federal expenditures
Research and Development Cluster: Applied Physics Laboratory (APL):				
Department of Commerce:				
University Corporation for Atmospheric Research: Climate and Atmospheric Research	11.431	SUBAWD003728	\$ —	142,698
University Corporation for Atmospheric Research: Hydrologic Research	11.462	SUBAWD002912	—	39,967
Department Commerce	11.RD	Direct	—	1,706,123
University of Maryland	11.RD	118488-Z7642201	—	60,901
Subtotal			—	1,767,024
Department of Commerce Total – APL			—	1,949,689
Department of Defense:				
Basic and Applied Scientific Research	12.300	Direct	35,754	2,158,295
George Mason University	12.300	E2044951	—	227
Subtotal			35,754	2,158,522
Military Medical Research and Development	12.420	Direct	—	31,316
Henry M. Jackson Foundation for the Advancement of Military Medicine Inc.	12.420	5792	—	405,157
Subtotal			—	436,473
Basic Scientific Research	12.431	Direct	—	13,329
Duke University	12.431	313-0835	—	70,112
University of Maryland Baltimore County	12.431	DOD00029-01	—	12,580
Subtotal			—	96,021
Basic, Applied, and Advanced Research in Science and Engineering	12.630	Direct	17,931	426,490
Uniformed Services University Medical Research Projects	12.750	Direct	—	896,715
Geneva Foundation	12.750	S-11122-01	—	28,986
Henry M. Jackson Foundation for the Advancement of Military Medicine Inc.	12.750	5508	15,520	38,740
Henry M. Jackson Foundation for the Advancement of Military Medicine Inc.	12.750	5783	245	710,443
Henry M. Jackson Foundation for the Advancement of Military Medicine Inc.	12.750	5827	199	93,740
Subtotal			15,964	1,768,624
Air Force Defense Research Sciences Program	12.800	Direct	323	1,710,030
University of Colorado	12.800	1561406	—	197,438
University of Maryland	12.800	123592-Z8507201	—	17,295
University of Texas	12.800	26-0201-51-62	—	191,575
Subtotal			323	2,116,338
Department of Defense	12.RD	Direct	79,210,856	1,585,600,747
Aerospace	12.RD	BOA 1476-B004	—	214
Artemis Inc.	12.RD	ARTEMIS-JHUAPL	—	284
Henry M. Jackson Foundation for the Advancement of Military Medicine Inc.	12.RD	1035887	—	56,701
Henry M. Jackson Foundation for the Advancement of Military Medicine Inc.	12.RD	5964	—	35,756
Innovative Scientific Solutions, Inc.	12.RD	ETF-048	—	32,506
Luminit, LLC	12.RD	4085-000-045-13	—	28,212
Nanoracks, LLC	12.RD	NANORACKS-001	—	72,724
Nanoracks, LLC	12.RD	NANORACKS-002	—	70,507
National Security Technologies, LLC	12.RD	N00164-23-9-G032	—	156,998
Octant Data, LLC	12.RD	1001	—	21,671
On Demand Pharmacies	12.RD	JHUAPL01	—	(260)
Plasmonics, Inc.	12.RD	APLAFRL004	—	238
Plasmonics, Inc.	12.RD	APLAFRL005	—	169,393
Rhea Space Activity, Inc.	12.RD	RHEA01	—	75,000
SA Photonics, Inc.	12.RD	2045-JHUAPL2106	—	83,965
SARA, Inc.	12.RD	NAVY054.P002.SC1	—	47,856
SARA, Inc.	12.RD	NAVY054.SCI	—	20,814
Siemens Corporate Research, Inc.	12.RD	201-02	—	350,783
T2S Solutions, LLC	12.RD	20-02	—	74
Trident Systems	12.RD	ICS-22-02	—	41,027
University of Miami	12.RD	OS00000974	—	164,085
Subtotal			79,210,856	1,587,029,295
Department of Defense Total – APL			79,280,828	1,594,031,763
Central Intelligence Agency				
DEFENSEWERX, Inc.: Central Intelligence Agency	13.RD	DEFENSEWERX AGREEMENT 1/4/22	—	480,000
DEFENSEWERX, Inc.	13.RD	DEFENSEWERX, INC	—	495,000
Subtotal			—	975,000
Department of Interior Total – APL			—	975,000
Department of Justice:				
Department of Justice	16.RD	Direct	10,616	1,561,380
Department of Justice Total – APL			10,616	1,561,380
Department of State:				
Department of State	19.RD	Direct	—	2,036,756
Department of State Total – APL			—	2,036,756
Department of Transportation:				
Department of Transportation	20.RD	Direct	—	4,046,017
Department of Transportation Total – APL			—	4,046,017
Department of the Treasury				
Howard County Government: Coronavirus Relief Fund	21.019	HOCO-JHU-FY2021-01	—	3,417
Department of the Treasury Total – APL			—	3,417
Connecting Communities Digital Initiative				
Connecting Communities Digital Initiative	42.012	Direct	—	31,670
Connecting Communities Digital Initiative Total – APL			—	31,670
National Aeronautics and Space Administration:				
Science	43.001	Direct	2,361,436	18,405,820
Aeolis Research Inc.	43.001	AR002	—	4,900
Aerospace	43.001	4600006880	—	26
Andrews University	43.001	220304	—	480
Auburn University	43.001	80NSSC19K1304	—	24,378
Boston University	43.001	4500002708	—	532
Boston University	43.001	4500003038	—	55,948
Boston University	43.001	4500004577	—	4,157
Cornell University	43.001	77067-10932	—	4,594
Dartmouth College	43.001	R1059	—	48,779
Dartmouth College	43.001	R1131	—	64,094
Embry-Riddle Aeronautical University	43.001	61536-1	—	13,443
Embry-Riddle Aeronautical University	43.001	61701-03	—	20,916
Embry-Riddle Aeronautical University	43.001	61704-02	—	4,715

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Federal grantor/pass-through grantor/program or cluster title	Federal Assistance listing number	Direct award or pass-through entity identifying number	Passed through to subrecipients	Total federal expenditures
Florida Institute of Technology	43.001	202416(JHUAPL)	\$ —	13,573
Florida Institute of Technology	43.001	GR-232534	—	8,554
George Mason University	43.001	E2062701	—	91
Illinois Institute of Technology	43.001	A19-0083-S001	—	51,406
Maryland Space Grant Consortium	43.001	2005195794	—	25
Montana State University	43.001	G190-18-W7153	—	(839)
Morgan State University	43.001	MSU-APL-2K1647	—	218,605
Nanohmics, Inc.	43.001	NAN2050JHUAPL	—	38,328
New Jersey Institute of Technology	43.001	997433	—	16,801
Northern Arizona University	43.001	1004334-02	—	81
Northern Arizona University	43.001	1005096-02	—	691
Planetary Science Institute	43.001	1528-JHU-APL	—	11,824
Planetary Science Institute	43.001	1542-JHU/APL	—	52
Planetary Science Institute	43.001	1745-JHUAPL	—	30,425
Planetary Science Institute	43.001	1773-JHUAPL	—	30,511
Planetary Science Institute	43.001	1790-JHUAPL	—	28,541
Planetary Science Institute	43.001	1874-JHUAPL	—	4,049
Planetary Science Institute	43.001	80ARC017M0005	—	4,396
Planetary Science Institute	43.001	80NSSC19K1222	—	2,526
Predictive Science Inc.	43.001	90120NAPR09JHU	—	26,313
Rutgers University	43.001	947	—	4,929
Search for Extraterrestrial Intelligence Institution	43.001	SC 3787	—	20,460
Search for Extraterrestrial Intelligence Institution	43.001	SC 3921	—	438
Smithsonian Astrophysical Observatory	43.001	22-SUBC-440-0000-469430	—	10,710
Smithsonian Astrophysical Observatory	43.001	GOO-21018X	—	26,978
Smithsonian Astrophysical Observatory	43.001	SV1-21005	—	23,265
Southwest Research Institute	43.001	80NSSC19K0611	—	834
Southwest Research Institute	43.001	M99049EH	—	30,828
Southwest Research Institute	43.001	Q99041AH	—	20,037
Space Hazards Applications, LLC.	43.001	80NSSC21K1488-1	—	137,194
Space Science Institute	43.001	SUBAWD01076	—	8,182
Space Telescope Science Institute	43.001	80ARC17M0007	—	22,177
Space Telescope Science Institute	43.001	HST-AR-16139.005-A	—	13,063
Space Telescope Science Institute	43.001	HST-AR-16634.002-A	—	46,850
Space Telescope Science Institute	43.001	HST-AR-17031.005-A	—	48
Space Telescope Science Institute	43.001	HST-GO-15625.006-A	—	4,502
Space Telescope Science Institute	43.001	HST-GO-15813.010-A	—	2,038
Space Telescope Science Institute	43.001	HST-GO-15848.008-A	—	13,878
Space Telescope Science Institute	43.001	HST-GO-15926.017-A	—	7,046
Space Telescope Science Institute	43.001	HST-GO-16039.002-A	—	3,066
Space Telescope Science Institute	43.001	HST-GO-16086.003-A	—	58
Space Telescope Science Institute	43.001	HST-GO-16194.002-A	—	11,727
Space Telescope Science Institute	43.001	HST-GO-16236.010-A	—	260
Space Telescope Science Institute	43.001	HST-GO-16652.003-A	—	1
Space Telescope Science Institute	43.001	HST-GO-16754.007-A	—	428
Space Telescope Science Institute	43.001	HST-GO-16878.006-A	—	8,941
Space Telescope Science Institute	43.001	HST-GO-17192.017-A	—	2,152
Space Telescope Science Institute	43.001	JWST-AR-02537.001-A	—	5,464
Space Telescope Science Institute	43.001	JWST-GO-01731.003	—	90
Space Telescope Science Institute	43.001	JWST-GO-01803.003-A	—	15,906
Space Telescope Science Institute	43.001	JWST-GO-01981.001-A	—	189,823
Space Telescope Science Institute	43.001	JWST-GO-02158-004-A	—	6,594
Space Telescope Science Institute	43.001	JWST-GO-02211.003-A	—	116
Space Telescope Science Institute	43.001	JWST-GO-02358.013-A	—	10,276
Space Telescope Science Institute	43.001	JWST-GO-02454.007-A	—	9,113
The Aerospace Corporation	43.001	4600006505	—	12,234
Universities Space Research Association	43.001	02330-02	—	62,097
University Corporation for Atmospheric Research	43.001	SUBAWD000261	—	380
University Corporation for Atmospheric Research	43.001	SUBAWD000389	—	32,458
University Corporation for Atmospheric Research	43.001	SUBAWD001148	—	81
University Corporation for Atmospheric Research	43.001	SUBAWD002081	—	44,638
University Corporation for Atmospheric Research	43.001	SUBAWD002856	—	11,836
University of Alaska	43.001	22-0101	—	16,233
University of Alaska	43.001	80NSSC19K0843	—	10,547
University of Alaska	43.001	UA 21-0015	—	72,838
University of Alaska	43.001	UAF 20-0032	—	52,103
University of Alaska	43.001	UAF 20-0115	—	46,576
University of Arizona	43.001	654248	—	34,975
University of California Los Angeles	43.001	1000 G XA167	—	19,339
University of California Los Angeles	43.001	1000 G XD391	—	59,513
University of California Los Angeles	43.001	2090 G WA670	—	25,465
University of California Los Angeles	43.001	2090 G YA190	—	22,668
University of Central Florida	43.001	24086221-01	—	18,734
University of Central Florida	43.001	GR103994	—	6,498
University of Colorado	43.001	1555192	—	43,730
University of Colorado	43.001	1560953	—	1,633
University of Idaho	43.001	80NSSC19K0896	—	27,681
University of Idaho	43.001	SP6063-880880	—	19
University of Iowa	43.001	S00967-01	—	31,585
University of Iowa	43.001	S02701-01	—	16,126
University of Maryland Baltimore County	43.001	NASA0106-01	—	11,870
University of Maryland	43.001	100665-Z6362201	—	2
University of Maryland	43.001	106155-Z6413201	—	35,393
University of Maryland	43.001	65773-Z6124202	—	8,051
University of Maryland	43.001	88626-Z6172202	—	55,631
University of Maryland	43.001	NASA0096-01	—	1,359
University of Nevada Reno	43.001	UNR 19-28	32,640	55,234
University of Tennessee	43.001	A20-1271-S001	—	15,435
University of Tennessee	43.001	A21-0101-S001	—	144,094
Washington University	43.001	WU-20-441	—	69,727
Wellesley University	43.001	SA26484	—	44,781
West Virginia University	43.001	21-923-JHU	—	42,030
Subtotal			2,394,076	20,949,801
University of Maryland: Exploration	43.003	85753-Z6236207	—	68,944
Space Technology	43.012	Direct	—	39,977
National Aeronautics and Space Administration	43.RD	Direct	119,144,102	433,977,756
Arizona State University	43.RD	11-553	—	173,630
Arizona State University	43.RD	15-707	—	375,798
Arizona State University	43.RD	17-256	—	104,815
Arizona State University	43.RD	ASUB00000694	—	32,728
Boston University	43.RD	4500004540	—	101,434
California Institute of Technology	43.RD	S448305	—	26,239
Honeybee Robotics	43.RD	484.SBC.001	—	127
Innoflight, Inc.	43.RD	001-091313	—	202
Jet Propulsion Laboratory	43.RD	1277793	507,146	1,652,458
Jet Propulsion Laboratory	43.RD	1326365	—	105,496
Jet Propulsion Laboratory	43.RD	1350588	—	3,878

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Federal grantor/pass-through grantor/program or cluster title	Federal Assistance listing number	Direct award or pass-through entity identifying number	Passed through to subrecipients	Total federal expenditures
Jet Propulsion Laboratory	43.RD	1530822	\$ 1,113,982	10,810,735
Jet Propulsion Laboratory	43.RD	1531614	186,746	1,662,942
Jet Propulsion Laboratory	43.RD	1532372	8,057	2,423,014
Jet Propulsion Laboratory	43.RD	1532432	—	214,666
Jet Propulsion Laboratory	43.RD	1532734	—	476,496
Jet Propulsion Laboratory	43.RD	1541408	—	86,108
Jet Propulsion Laboratory	43.RD	1546033	—	19,889
Jet Propulsion Laboratory	43.RD	1546282	16,164,485	33,995,121
Jet Propulsion Laboratory	43.RD	1551217	—	(2,131)
Jet Propulsion Laboratory	43.RD	1569206	44,303	355,383
Jet Propulsion Laboratory	43.RD	1574569	—	30
Jet Propulsion Laboratory	43.RD	1655893	—	70,417
Jet Propulsion Laboratory	43.RD	1657153	—	155
Jet Propulsion Laboratory	43.RD	1658085	—	658,209
Jet Propulsion Laboratory	43.RD	1660492	—	46
Jet Propulsion Laboratory	43.RD	1662347	—	40
Jet Propulsion Laboratory	43.RD	1662611	—	51,124
Jet Propulsion Laboratory	43.RD	1665900	—	16,539
Jet Propulsion Laboratory	43.RD	1667439	—	176,958
Jet Propulsion Laboratory	43.RD	1669336	—	268
Jet Propulsion Laboratory	43.RD	1669890	—	27,783
Jet Propulsion Laboratory	43.RD	1669892	—	19,673
Jet Propulsion Laboratory	43.RD	1670201	—	92
Jet Propulsion Laboratory	43.RD	1670486	—	175
Jet Propulsion Laboratory	43.RD	1670967	—	1,094
Jet Propulsion Laboratory	43.RD	1671834	—	14,737
Jet Propulsion Laboratory	43.RD	1672471	—	292
Jet Propulsion Laboratory	43.RD	1677506	—	1,998
Jet Propulsion Laboratory	43.RD	1681143	—	2,021
Jet Propulsion Laboratory	43.RD	1683195	—	18,882
Jet Propulsion Laboratory	43.RD	1686728	—	9,820
Jet Propulsion Laboratory	43.RD	1691608	—	27,666
Jet Propulsion Laboratory	43.RD	1695158	—	73,016
Makel Engineering	43.RD	SUB0180NSSC19C0160	—	252
Makel Engineering	43.RD	SUB0280NSSC20C0158	—	54,177
Nabla Zero Labs	43.RD	2020-1029625	—	3,534
New Jersey Institute of Technology	43.RD	996575	—	37
Newton, LLC	43.RD	ETF-049	—	47,080
Princeton University	43.RD	SUB00000158	—	837,476
Princeton University	43.RD	SUB00000192	—	6,745
Rocket Lab	43.RD	ZZ5500010	—	2,036,182
Southwest Research Institute	43.RD	499879Q	469,014	1,259,982
Southwest Research Institute	43.RD	692005N	—	313,550
Southwest Research Institute	43.RD	699044X	—	775,249
Southwest Research Institute	43.RD	D99024L	—	(5)
Southwest Research Institute	43.RD	K99032MEC	—	(7,067)
Southwest Research Institute	43.RD	N99057DS	—	17,801
Southwest Research Institute	43.RD	P99036DS	—	(425)
Southwest Research Institute	43.RD	Q99015N	—	611,890
Southwest Research Institute	43.RD	R99001AKP	—	9,588
University of Arizona	43.RD	Y603234	—	37,413
University of California	43.RD	8211	—	471
University of California Berkeley	43.RD	BB01448092	—	3,324
University of California Los Angeles	43.RD	0995-S-SA812	—	427,765
University of Central Florida	43.RD	GR107263	—	7,579
University of Colorado	43.RD	1558824	—	593
University of Texas	43.RD	UTA16-001082	—	50,817
Westinghouse Government Services, LLC	43.RD	JHUAPL0423	—	25,025
Subtotal			137,637,835	494,286,852
National Aeronautics and Space Administration Total – APL			140,031,911	515,345,574
National Science Foundation:				
Rice University: Mathematical and Physical Sciences	47.049	X03018064	—	7,766
University of Arizona	47.049	519068	—	25,784
Subtotal			—	33,550
Geosciences	47.050	Direct	796,671	2,146,017
American University	47.050	A21-0027-S001-31603	—	9,898
University of Iowa	47.050	S03464-01	—	15,271
Subtotal			796,671	2,171,186
Computer and Information Science and Engineering	47.070	Direct	—	2
Polar Programs	47.078	Direct	—	29,235
National Science Foundation Total – APL			796,671	2,233,973
Director of National Intelligence				
Director of National Intelligence	54.RD	Direct	703,284	3,275,280
Director of National Intelligence Total – APL			703,284	3,275,280
Department of Energy:				
Office of Science Financial Assistance Program	81.049	Direct	112,059	512,622
Department of Energy	81.RD	Direct	—	56,385
Battelle Memorial Institute, Inc.	81.RD	206035	—	(27)
Battelle Memorial Institute, Inc.	81.RD	617786	—	245,107
Battelle Memorial Institute, Inc.	81.RD	671830	—	195,524
Fluor Marine Propulsion, LLC.	81.RD	142980	—	166
Fluor Marine Propulsion, LLC.	81.RD	144418	—	564,638
Lawrence Livermore National Laboratory	81.RD	B651497	—	38,027
Lawrence Livermore National Laboratory	81.RD	B657337	—	16,781
Lawrence Livermore National Laboratory	81.RD	LLNL B616376	—	136
Oakridge Associated Universities	81.RD	4000167418	—	88,725
Subtotal			—	1,205,462
Department of Energy Total – APL			112,059	1,718,084
Department of Health and Human Services:				
State of Oregon: Public Health Emergency Preparedness	93.069	134673	—	52,061
Oregon Department of Health: Injury Prevention and Control Research and State and Community Based Programs	93.136	162991	—	57,943
Oregon Department of Health	93.136	167056	—	802
Subtotal			—	58,745
Research on Healthcare Costs, Quality and Outcomes	93.226	Direct	—	10,774
Mental Health Research Grants	93.242	Direct	34,516	1,579,924
Colorado Tri-County Health Department: Centers for Disease Control and Prevention and Technical Assistance	93.283	E4459	—	9,329
Discovery and Applied Research for Technological Innovations to Improve Human Health	93.286	Direct	148,748	480,517
President's Council on Fitness, Sports, and Nutrition	93.289	Direct	—	68,283

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Federal grantor/pass-through grantor/program or cluster title	Federal Assistance listing number	Direct award or pass-through entity identifying number	Passed through to subrecipients	Total federal expenditures
Minority Health and Health Disparities Research	93.307	Direct	\$ —	40,000
Protecting and Improving Health Globally: Building and Strengthening Public Health Impact, Systems, Capacity and Security	93.318	Direct	—	228,650
Extramural Research Programs in the Neurosciences and Neurological Disorders	93.853	Direct	—	205,586
Vathes, LLC	93.853	DJ-JHUAPL-2022-2024-00	—	192,440
Subtotal			—	398,026
Aging Research	93.866	Direct	—	54,830
Vision Research	93.867	Direct	21,561	482,991
Department of Health and Human Services	93.RD	Direct	146,959	10,928,550
Association of Public Health Laboratories	93.RD	56401-250-704-23-03	—	52,161
Emory University	93.RD	A634781	—	2,182
Maryland Department of Health	93.RD	22-JHU-OCP-CA-2	—	97,603
U.S. Civilian Research & Development Foundation	93.RD	OISE-20-66669	—	49,801
Subtotal			146,959	11,130,297
Department of Health and Human Services Total – APL			351,784	14,594,427
Executive Office of the President:				
Executive Office of the President	95.RD	Direct	—	775,380
Executive Office of the President Total – APL			—	775,380
Social Security Administration				
Social Security Administration	96.RD	Direct	35,404	2,871,600
Social Security Administration Total – APL			35,404	2,871,600
Department of Homeland Security:				
District of Columbia Government: Homeland Security Grant Program	97.067	19UASI137-02	—	11
District of Columbia Government	97.067	20UASI137-01	—	19
District of Columbia Government	97.067	20UASI137-02	—	61,814
District of Columbia Government	97.067	21UASI137	—	256,106
District of Columbia Government	97.067	22UASI137-01	—	14,251
District of Columbia Government	97.067	22UASI137-02	—	62,914
Subtotal			—	395,115
Department of Homeland Security	97.RD	Direct	1,798,392	40,366,288
Department of Homeland Security Total – APL			1,798,392	40,761,403
Federal Deposit Insurance Corp.	99.RD	Direct	207,750	919,620
General Services Administration	99.RD	Direct	—	480,949
United States Government – Classified	99.RD	Direct	3,343,063	98,513,916
Corvid Technologies, LLC	99.RD	14-007	—	(59)
Mitre Corporation	99.RD	BOA #54127	—	3,629
Sandia National Laboratories	99.RD	1216795	—	(35)
Other Federal Agencies Total – APL			3,550,813	99,918,020
Research and Development Cluster Total – APL			226,671,762	2,286,129,433
Other Divisions:				
Department of Agriculture:				
Agricultural Research Basic and Applied Research	10.001	Direct	—	35,799
CRDF Global	10.001	DAA3-19-65451-1	—	60,537
CRDF Global	10.001	DAA3-19-65671-1	—	300,819
CRDF Global	10.001	DAA3-19-65709-1	—	44,600
CRDF Global	10.001	DAA3-20-66557-1	—	29,106
CRDF Global	10.001	DAA9-19-65344-1	—	3,799
CRDF Global	10.001	DAA9-19-65351-1	—	25,680
CRDF Global	10.001	DAA9-19-65377-1	—	63,576
CRDF Global	10.001	R-202201-68333	—	14,013
Subtotal			—	577,929
Ohio State University: Wholesale Farmers and Alternative Market Development	10.164	SPC-1000007335/GR130	—	50,807
University of Vermont: Sustainable Agriculture Research and Education	10.215	GNE19-209-33243	—	7,301
New York University: Agricultural and Rural Economic Research, Cooperative Agreements and Collaborations	10.250	F2228-02	—	8,431
University of Delaware	10.250	UDR0000136	—	32,138
Subtotal			—	40,569
Agriculture and Food Research Initiative (AFRI)	10.310	Direct	250,559	763,995
Colorado State University	10.310	G-35015-01	—	17,125
Connecticut Agricultural Experiment Station	10.310	CAES-2021-JHU23000-1	—	70,817
University of Delaware	10.310	55267	—	88,280
University of North Carolina Greensboro	10.310	20200019.1	—	25,830
Washington State University	10.310	137626-SPC003622	—	77,317
Subtotal			250,559	1,043,364
Participant Research Innovation Laboratory for Enhancing WIC Services	10.540	Direct	27,359	270,826
Maryland Department of Health: Special Supplemental Nutrition Program for Women, Infants, and Children	10.557	M00B0600025	—	1,753,156
Department of Agriculture Total – Other Divisions			277,918	3,743,952
Department of Commerce:				
University of New Hampshire: NOAA Mission-Related Education Awards	11.008	L0130	—	6,631
University of New Hampshire	11.008	PZL0244	—	127,904
Subtotal			—	134,535
Cluster Grants, Economic Development Administration	11.020	Direct	—	12,738
The University of Maryland Center for Environmental Science – Sea Grant Support	11.417	SA75282570-A R/E-26a	—	43,130
Climate and Atmospheric Research	11.431	Direct	5,254	413,894
Rand Corporation	11.431	SCON-00000450	—	16,803
Subtotal			5,254	430,697
Measurement and Engineering Research and Standards	11.609	Direct	—	169,606
Stanford University	11.609	62522374-194763	—	(9,842)
Subtotal			—	159,764
University of California Davis: Arrangements for Interdisciplinary Research Infrastructure	11.619	A22-2080-5002	37,257	319,773
University of Delaware	11.619	PC1.0-12	—	30
Subtotal			37,257	319,803
Science, Technology, Business and/or Education Outreach	11.620	Direct	1,140,938	5,220,936
Department of Commerce Total – Other Divisions			1,183,449	6,321,603
Department of Defense:				
Basic and Applied Scientific Research	12.300	Direct	686,534	8,009,555
Brown University	12.300	1129	—	45,607
Northeastern University	12.300	503405-78051	—	239,976
Ohio State University	12.300	60076522	—	46,080

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Rice University	12.300	R1A846	\$ —	259,418
Stanford University	12.300	62145216-107484	—	(2,179)
University of Maryland College Park	12.300	88516-Z8262202	—	186,369
University of Minnesota	12.300	A006141806	—	(848)
University of Southern California	12.300	SCON-00003985	—	114,063
Subtotal			686,534	8,898,041
University Space Research Association: Science, Technology, Engineering & Mathematics (STEM) Education, Outreach and Workforce Program	12.330	SUBK-21-0129	—	5,638
Henry M. Jackson Foundation: Naval Medical Research and Development	12.340	5421	—	233,502
Department of Defense HIV/AIDS Prevention Program	12.350	Direct	842,628	21,042,100
Base Scientific Research – Combating Weapons of Mass Destruction	12.351	Direct	3,357,852	5,667,879
Military Medical Research and Development	12.420	Direct	3,226,164	30,375,963
American Burn Association	12.420	STAT: Standard Thera	—	20,744
Atrium Health	12.420	300301433 (A18-0259-	118,023	238,827
Atrium Health	12.420	A19-0273-S001(300030	8,347	384,187
Boston Children's Hospital	12.420	W81XWH2210301	—	2,227
Boston University	12.420	4500003271	17,409	126,334
Children's Hospital of Philadelphia	12.420	3211270920	—	27,087
Children's Research Institute	12.420	30006707-01	—	64,261
Coalition for National Trauma Institute	12.420	NTI-MIMIC17-02	8,799	68,842
Hennepin Healthcare Research Institute	12.420	15275-01	53,601	184,026
Hennepin Healthcare Research Institute	12.420	15349-1	—	79,471
Henry M. Jackson Foundation	12.420	5527	—	20,026
Henry M. Jackson Foundation	12.420	5649	—	9,127
Henry M. Jackson Foundation	12.420	5847	—	53,414
Henry M. Jackson Foundation	12.420	5794-1027537-66786	—	45,749
Henry M. Jackson Foundation	12.420	Subaward No. 5128	—	5,291
Infinite Biomedical Technologies	12.420	W81XWH2010919	—	99,085
Intermountain Medical Center	12.420	W81XWH-21-1-0050	—	312,712
Montana State University	12.420	PG23-61941-02	—	26,745
Novobiotic Pharmaceuticals	12.420	W81XWH1820046	—	20,901
Purdue University	12.420	13000691-020	—	(12,094)
Rubicon Biotechnology	12.420	Rubicon-JHU-P010	—	258,047
Sunnybrook Research Institute	12.420	W81XWH2110593	—	56,153
Thomas Jefferson University	12.420	W81XWH-20-10310	—	3,900
University of Alabama at Birmingham	12.420	000516840-SC019-T002	—	5,785
University of California Irvine	12.420	2021-1582	—	12,666
University of California San Diego	12.420	105637007	—	17,855
University of California San Diego	12.420	KR 705476	—	22,824
University of Colorado Denver	12.420	FY20.944.001	—	30,491
University of Iowa	12.420	S00523-01	—	15,165
University of Maryland Baltimore	12.420	2003879	—	29,153
University of Maryland Medical System	12.420	F302348-7	—	41,530
University of Miami	12.420	OS000000028	—	128,206
University of Miami	12.420	SPC-000962	—	14,050
University of Missouri	12.420	C00069632-2	—	35,033
University of Pennsylvania	12.420	577486	—	(2)
University of Pennsylvania	12.420	585536	—	169,568
University of Pittsburgh	12.420	W81XWH1810602	—	190,131
University of Texas at Austin	12.420	UTA19-001115	—	(1,767)
University of Texas at Dallas	12.420	1604938	—	112,478
University of Texas at Dallas	12.420	2008088	—	28,119
University of Texas Southwestern Medical Center	12.420	GMO220909 PO00000024	—	21,293
University of Utah	12.420	10054547-01	90,880	384,305
Vanderbilt University	12.420	VUMC 69451	449,460	675,444
Vanderbilt University Medical Center	12.420	VUMC107311	—	104,100
Wake Forest University	12.420	WFUHS 441035 CTA-05	—	9,002
Wake Forest University	12.420	WFUHS 441036 CTA-06	—	70,236
Wake Forest University	12.420	WFUHS 441058 ER-08	—	1,136
Washington University	12.420	WU-23-0418	—	4,844
Subtotal			3,972,683	34,592,670
Basic Scientific Research	12.431	Direct	2,074,112	10,832,145
Carnegie Mellon University	12.431	1130281-460142	—	199,003
Columbia University	12.431	1(GG018291-01)	—	326,410
Georgia Institute of Technology	12.431	AWD-003763-G2	—	87,279
Harvard University	12.431	134373-5114505	—	313,720
Northwestern University	12.431	60063525 JHU	—	10,378
University of Pennsylvania	12.431	574723	—	315,235
Subtotal			2,074,112	12,084,170
National Center for the Advancement of Stem Education: DOD, NDEP, DOTC-STEM Education Outreach Implementation	12.560	P00023	—	15,024
Basic, Applied, and Advanced Research in Science and Engineering	12.630	Direct	169,140	533,815
Morgan State University	12.630	MSU-JHU-20213	—	246,765
Rochester Institute of Technology	12.630	90088664	—	(80)
Rochester Institute of Technology	12.630	90092327	—	(2,880)
Rochester Institute of Technology	12.630	REAP-2022	—	4,000
Subtotal			169,140	781,620
Geneva Foundation: Uniformed Services University Medical Research Projects	12.750	11052-N2103GR	—	19,133
Geneva Foundation	12.750	S-11021-06	—	53,916
Henry M. Jackson Foundation	12.750	5618	—	148,834
Henry M. Jackson Foundation	12.750	5787 / 1026506 / 661	—	4,980
Henry M. Jackson Foundation	12.750	Sub #5974, HJF #6705	—	17,791
Henry M. Jackson Foundation	12.750	Subaward No. 5258	—	171,705
Subtotal			—	416,359
Air Force Defense Research Sciences Program	12.800	Direct	500,282	3,285,738
Air Force Defense Research Sciences Program: COVID-19	12.800	Direct	—	202,429
BioMADE	12.800	S-PC01-A-01-0035	—	19,040
Florida State University	12.800	R000002906	—	109,828
Pratt & Whitney	12.800	2020004	—	58,045
University of California San Diego	12.800	A21-0038-S003	—	148,107
University of Maryland College Park	12.800	38061-Z8165002	—	101,023
University of New Mexico	12.800	707824-8727	—	30,813
Subtotal			500,282	3,955,023
Mathematical Sciences Grants	12.901	Direct	—	3,802
Maryland Procurement Office: Information Security Grants	12.902	H98230-16D0026/0006	185,118	415,555
Maryland Procurement Office	12.902	H98230-16-D0026/0007	536,563	7,396,825
Subtotal			721,681	7,812,380
Research and Technology Development	12.910	Direct	858,559	6,005,146
HRL Laboratories, LLC	12.910	18075-192741-US	—	179,897
Montana State University	12.910	G166-19-W7329	51,465	103,042

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Trail of Bits	12.910	HR001120C0084	\$ —	217,745
University of Maryland College Park	12.910	92605-Z9629201	—	261,968
Subtotal			910,024	6,767,798
Department of Defense	12.RD	Direct	825,266	7,306,270
Alion Science and Technology Corp.	12.RD	SUB1160014-001	—	94,388
Alion Science and Technology Corp.	12.RD	SUB1160014-002	—	10,523
Arizona State University	12.RD	ASUB00001045	—	146,733
Biolog Incorporated	12.RD	U48DP006374	—	204,401
Booz Allen Hamilton, Inc.	12.RD	A3169	—	94,396
Brimrose Corporation of America	12.RD	W81XWH21P0150	—	(1,836)
Cellphire Therapeutics, Inc.	12.RD	CRYPTICS	—	9,785
Fibertek, Inc.	12.RD	8210007	—	(8,006)
General Electric Corporation	12.RD	401119022	7,193	203,809
General Electric Corporation	12.RD	401166365	—	379,332
General Electric Corporation	12.RD	401188775	—	65,719
Georgia Institute of Technology	12.RD	D8479-S1	—	89,471
Henry M. Jackson Foundation	12.RD	999800	—	(17,322)
Henry M. Jackson Foundation	12.RD	1006013	—	85,920
Henry M. Jackson Foundation	12.RD	1007958	—	693,216
Henry M. Jackson Foundation	12.RD	JHU-Manab	—	229,792
Indiana Innovation Institute	12.RD	20111-29	—	86,115
Indiana Innovation Institute	12.RD	20111-41	—	31,170
Innovision, LLC	12.RD	F4FBEQ2174A009 sub	—	139,593
Innovision, LLC	12.RD	IDEA	—	6,000
Innovision, LLC	12.RD	IDEEP-STTR	—	63,052
Intermountain Medical Center	12.RD	W81XWH-17-PRMRP-IRA	—	13,502
Lunar Outpost	12.RD	SUB_JHU-LO_USAFSTTRP	—	12,276
Massachusetts Institute of Technology	12.RD	PO7000539755	—	314,189
Melatech, LLC	12.RD	IPN 22086600	—	193,483
Optowares, Inc.	12.RD	210914	—	25,459
SCI Zone, Inc	12.RD	FA875022C1035	—	7,572
Stottler Henke	12.RD	140D6318C0018	—	28,375
Systems and Technology Research	12.RD	2021-0037	—	32,263
Systems and Technology Research	12.RD	2023-0008	—	8,000
T&T Consulting Services	12.RD	C.JHMI_40009.015	—	856,969
Technology Holding, LLC	12.RD	IPN: 20120664	—	(3,636)
Technology Holding, LLC	12.RD	W911SR21C5000	—	150,073
Texas A&M Engineering Experiment Station	12.RD	M2200301	123,439	387,748
UES, Inc.	12.RD	S--111-085-001	—	(340)
University of Illinois Chicago	12.RD	14272	—	(10,282)
University of Maryland College Park	12.RD	#108470-Z9467201	—	71,046
University of Pittsburgh	12.RD	FY2022-17909-SVC	—	65,711
University of Washington	12.RD	UWSC13534	—	(29,075)
Subtotal			955,898	12,035,854
Department of Defense Total – Other Divisions			14,190,834	114,311,860
Department of Housing and Urban Development:				
General Research and Technology Activity	14.506	Direct	—	11,874
Healthy Homes Technical Studies Grants	14.906	Direct	77,027	146,044
Department of Housing and Urban Development Total – Other Divisions			77,027	157,918
Department of Interior:				
Earthquake Hazards Program Assistance	15.807	Direct	—	15,690
Cooperative Research and Training Programs – Resources of the National Park System	15.945	Direct	—	7,747
Department of Interior Total – Other Divisions			—	23,437
Department of Justice:				
National Institute of Justice Research, Evaluation, and Development Project Grants	16.560	Direct	—	193
Princeton University	16.560	SUB0000609	—	43,588
Texas State University	16.560	21023-83648-1	—	127,885
Subtotal			—	171,666
Native American Community Clinic: Crime Victim Assistance	16.575	OVC/NACC	—	19,039
Crime Victim Assistance/Discretionary Grants	16.582	Direct	—	17,027
Edward Byrne Memorial Justice Assistance Grant Program	16.738	Direct	—	33,563
Maryland Department of Health: Harold Rogers Prescription Drug Monitoring Program	16.754	2018-PM-BX-K098	—	160,852
Department of Justice	16.RD	Direct	—	182,962
Department of Justice Total – Other Divisions			—	585,109
Department of State:				
International Programs to Combat Human Trafficking	19.019	Direct	56,589	150,234
University of Georgia	19.019	SUB00002414	118,542	221,079
Subtotal			175,131	371,313
Winrock International: Energy Governance and Reform Programs	19.027	10009-22-A-01	—	25,458
Global Threat Reduction	19.033	Direct	—	101,795
Georgetown University	19.033	425519_AWD7775141-JH	—	130
Georgetown University	19.033	425520_AWD7774307-JH	—	1,194
Georgetown University	19.033	425521_AWD7775330-JH	—	1,122
Subtotal			—	104,241
Public Diplomacy Programs	19.040	Direct	—	2,159
Global Implementation Solutions: Nonproliferation and Disarmament Fund	19.224	SAQMIP22CA0273	—	1,347
Overseas Refugee Assistance Programs for Strategic Global Priorities	19.522	Direct	5,650	62,153
Save the Children Federation, Inc.	19.522	SPRMCO21CA3133	—	5,984
Subtotal			5,650	68,137
FHI 360: Bureau of Near Eastern Affairs	19.600	PO22001366	14,046	312,206
Department of State	19.RD	Direct	—	2,064,404
Department of State Total – Other Divisions			194,827	2,949,265
Department of Transportation:				
National Highway Traffic Safety Administration (NHTSA) Discretionary Safety Grants	20.614	Direct	—	252,044
National Academies of Sciences, Engineering, and Medicine	20.614	SUB0001773	113,701	466,093
National Safety Council	20.614	D760 P8760	—	78,270
Transportation Research Board	20.614	BTS-11	—	33,213
Subtotal			113,701	829,620
Texas A&M University: University Transportation Centers Program	20.701	12-S171236	—	119,917
Department of Transportation	20.RD	Direct	—	3,519
Dunlap and Associates, Inc.	20.RD	DTNH2217D00031	—	64,820
Subtotal			—	68,339
Department of Transportation Total – Other Divisions			113,701	1,017,876

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Federal grantor/pass-through grantor/program or cluster title	Federal Assistance listing number	Direct award or pass-through entity identifying number	Passed through to subrecipients	Total federal expenditures
Department of the Treasury:				
Baltimore City Health Department: Coronavirus Relief Fund	21.019	CO #39627	\$ —	211,282
Baltimore City Health Department: Coronavirus State and Local Fiscal Recovery Funds	21.027	CO #40010	440,000	1,356,366
Baltimore City Health Department	21.027	CO #40625	—	278,177
Baltimore City Health Department	21.027	EP809	—	567,505
Subtotal			440,000	2,202,048
Department of the Treasury – Other Divisions			440,000	2,413,330
National Aeronautics and Space Administration:				
Science	43.001	Direct	573,457	6,777,483
Arizona State University	43.001	ASUB00000779	—	15,692
Boston University	43.001	4500004137	—	24,456
Duke University	43.001	343-000051	—	28,176
Jet Propulsion Laboratory	43.001	1670981	—	(10)
Jet Propulsion Laboratory	43.001	1673898	—	2,758
Jet Propulsion Laboratory	43.001	1687192	—	36,293
Jet Propulsion Laboratory	43.001	12-EUCLID12-0004	—	26,508
Million Concepts LLC	43.001	1	—	69
Northwestern University	43.001	60060282 JHU	—	61,106
Rochester Institute of Technology	43.001	31977-01	—	103,754
Southwest Research Institute	43.001	K99089JRG	—	66,657
University of Arizona	43.001	466909	—	13,936
University of California Santa Cruz	43.001	A21-0323-S001	—	6,852
University of California Santa Cruz	43.001	A22-0704-S002	—	41,527
University of Central Florida	43.001	66016A29	—	14,556
University of Chicago	43.001	AWD103138(SUB00000073	—	13,389
University of Colorado	43.001	1557824	—	100,115
University of Colorado	43.001	1558020	—	1,931
University of Illinois Urbana Champaign	43.001	109296-19306	—	105,313
University of Wisconsin-Madison	43.001	2486	—	3,362
University Space Research Association	43.001	09-0021	—	51,098
Virginia Polytechnic Institute and State University	43.001	426704-19446	—	14,793
Virginia Polytechnic Institute and State University	43.001	426741-19446	—	21,131
Subtotal			573,457	7,530,945
Aeronautics	43.002	Direct	80,884	394,354
Exploration	43.003	Direct	84,529	328,922
Baylor College of Medicine	43.003	7000001410	—	74,922
Baylor University	43.003	7000001228	—	342,498
Subtotal			84,529	746,342
Safety, Security and Mission Services	43.009	Direct	—	235,896
Space Technology	43.012	Direct	—	121,378
Michigan Technological University	43.012	1607060Z5	—	147,914
Subtotal			—	269,292
Alcyon, Inc.: National Aeronautics and Space Administration	43.RD	ATSJV-D-38008-015	—	721,822
Boston University	43.RD	4500003485	—	36,924
CFD Research Corporation	43.RD	20200748	—	116,960
Jet Propulsion Laboratory	43.RD	1548315	—	(1)
SCI Zone, Inc	43.RD	80NSSC22PB177	—	17,478
Space Telescope Science Institute	43.RD	HST-AR-16142.003-A	—	4,575
Space Telescope Science Institute	43.RD	HST-AR-16629.001-A	—	62,282
Space Telescope Science Institute	43.RD	HST-AR-16634.001-A	—	22,393
Space Telescope Science Institute	43.RD	HST-AR-16636.001-A	—	51,552
Space Telescope Science Institute	43.RD	HST-AR-16637.001-A	—	44,680
Space Telescope Science Institute	43.RD	HST-GO-15334.005-A	—	35,610
Space Telescope Science Institute	43.RD	HST-GO-15694.002-A	—	1,244
Space Telescope Science Institute	43.RD	HST-GO-15813.003-A	—	19,859
Space Telescope Science Institute	43.RD	HST-GO-15832.001-A	—	70,427
Space Telescope Science Institute	43.RD	HST-GO-15838.004-A	—	21,944
Space Telescope Science Institute	43.RD	HST-GO-15840.034-A	—	2,304
Space Telescope Science Institute	43.RD	HST-GO-15865.013-A	—	1,105
Space Telescope Science Institute	43.RD	HST-GO-15879.001-A	—	1,825
Space Telescope Science Institute	43.RD	HST-GO-15893.002-A	—	3,334
Space Telescope Science Institute	43.RD	HST-GO-15900.002-A	—	54,459
Space Telescope Science Institute	43.RD	HST-GO-16039.001-A	—	30,657
Space Telescope Science Institute	43.RD	HST-GO-16086.002-A	—	24,605
Space Telescope Science Institute	43.RD	HST-GO-16236.005-A	—	869
Space Telescope Science Institute	43.RD	HST-GO-16250.002-A	—	3,767
Space Telescope Science Institute	43.RD	HST-GO-16270.003-A	—	16,060
Space Telescope Science Institute	43.RD	HST-GO-16281.018-A	—	87,438
Space Telescope Science Institute	43.RD	HST-GO-16307.006-A	—	6,346
Space Telescope Science Institute	43.RD	HST-GO-16316.002-A	—	12,262
Space Telescope Science Institute	43.RD	HST-GO-16450.002-A	—	12,420
Space Telescope Science Institute	43.RD	HST-GO-16483.005-A	—	2,985
Space Telescope Science Institute	43.RD	HST-GO-16654.001-A	—	5,817
Space Telescope Science Institute	43.RD	HST-GO-16676.001-A	—	30,106
Space Telescope Science Institute	43.RD	HST-GO-16693.002-A	—	37,639
Space Telescope Science Institute	43.RD	HST-GO-16724.003-A	—	401
Space Telescope Science Institute	43.RD	HST-GO-16736.001-A	—	27,569
Space Telescope Science Institute	43.RD	HST-GO-16776.002-A	—	14,698
Space Telescope Science Institute	43.RD	HST-GO-17098.001-A	—	46,117
Space Telescope Science Institute	43.RD	JWST-ERS-01335.002-A	—	59,054
Space Telescope Science Institute	43.RD	JWST-ERS-01366.062-A	—	133
Space Telescope Science Institute	43.RD	JWST-GO-01433.042-A	—	79,313
Space Telescope Science Institute	43.RD	JWST-GO-01729.003-A	—	6,681
Space Telescope Science Institute	43.RD	JWST-GO-01981.003-A	—	1,336
Space Telescope Science Institute	43.RD	JWST-GO-02107.002-A	—	37,135
Space Telescope Science Institute	43.RD	JWST-GO-02130.003	—	11,446
Space Telescope Science Institute	43.RD	JWST-GO-02282.046-A	—	69,646
Space Telescope Science Institute	43.RD	JWST-GO-02301.002-A	—	7,891
Space Telescope Science Institute	43.RD	JWST-GO-02457.003-A	—	868
Space Telescope Science Institute	43.RD	JWST-GO-02654.002-A	—	2,631
Space Telescope Science Institute	43.RD	STScI – 52333	—	35,587
Space Telescope Science Institute	43.RD	STScI-51509	—	209,278
University of California Santa Cruz	43.RD	A170899S005P0717460	—	38,381
University Space Research Association	43.RD	SOF 08-0038	105,282	338,720
Subtotal			105,282	2,548,632
National Aeronautics and Space Administration Total – Other Divisions			844,152	11,725,461
National Endowment for the Humanities:				
Promotion of the Humanities Division of Preservation and Access	45.149	Direct	—	180,173
Promotion of the Humanities Research	45.161	Direct	—	83,381
New York University	45.161	F1595-01	—	13,301
University of Nebraska	45.161	25-1620-0040-003	—	7,352
Subtotal			—	104,034

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University of California Berkeley: Promotion of the Humanities Teaching and Learning Resources and Curriculum Development	45.162	10942	\$ —	3,170
National Endowment for the Humanities Total – Other Divisions			—	287,377
National Science Foundation:				
Engineering	47.041	Direct	765,268	8,080,298
Engineering: COVID-19	47.041	Direct	—	(4)
American University	47.041	31630-A210102-S01	—	12,545
American University	47.041	31663-A220027-S01	—	189,361
Celeflux, LLC	47.041	NSF 19 555	—	(1,606)
Cornell University	47.041	82179-10928	—	18,062
emTRUTH, Inc.	47.041	2125909 SBIR	—	38,627
JuneBrain Inc.	47.041	2053315sub	—	110,736
Liv Medical Technology, Inc.	47.041	22065062	—	111,159
Lumo Imaging, LLC	47.041	1	—	77,500
Neurosonics Medical, Inc.	47.041	S-200201- NE1 NSF ST	—	(603)
North Carolina State University	47.041	2021-0052-01	—	28,805
Oncospace, Inc.	47.041	2035750	—	41,496
Rowan University	47.041	50770-1	—	14,992
Simmbion, LLC	47.041	22065084	—	35,056
StoCastic, LLC	47.041	1738440	—	1,138
University of California Berkeley	47.041	10843	—	19,967
University of California San Diego	47.041	705626	—	16,518
University of Delaware	47.041	50280	—	4,295
University of Maryland College Park	47.041	104755-Z3822207	—	128,309
University of Maryland College Park	47.041	104938-Z3794209	—	51,714
University of Massachusetts Lowell	47.041	S52100000033927	—	4,237
Subtotal			765,268	8,982,602
Mathematical and Physical Sciences	47.049	Direct	248,446	10,652,350
Cornell University	47.049	92356-20785	—	794,644
Duke University	47.049	333-2769	—	323,291
Princeton University	47.049	SUB0000151	—	30,766
University of Delaware	47.049	59784	—	22,833
University of Delaware	47.049	UDR0000143	—	54,747
University of Nebraska	47.049	25-0521-0244-005	—	38,241
University of Notre Dame	47.049	JHU Grant	—	7,608
Subtotal			248,446	11,924,480
Geosciences	47.050	Direct	95,484	1,214,627
Computer and Information Science and Engineering	47.070	Direct	578,011	7,656,323
Indiana University	47.070	8710-JHU	—	23,916
Indiana University	47.070	BL-4812534-JHU	—	23,530
Research Foundation of the City University of New York	47.070	CM00009256-00	—	5,486
University of Illinois Urbana Champaign	47.070	108017-18860	—	64,572
University of Pennsylvania	47.070	580447	—	14,959
University of Utah	47.070	10061946-JHU-03	—	203,857
Subtotal			578,011	7,992,643
Biological Sciences	47.074	Direct	67,290	4,735,654
Biological Sciences: COVID-19	47.074	Direct	—	294,383
Carnegie Institution of Washington	47.074	05-20995-1319	—	18,547
Carnegie Institution of Washington	47.074	05-21047-1320	—	8,773
Cary Institute of Ecosystem Studies	47.074	3392 200201974	—	(375)
Cold Spring Harbor Laboratory	47.074	52580213 PO920983SV	—	(2,699)
Cold Spring Harbor Laboratory	47.074	52670113/PO921029-SV	—	78,428
Cold Spring Harbor Laboratory	47.074	52810114 – PO# 92109	—	59,618
Drexel University	47.074	Subaward No. 920101	—	1,057
Penn State University	47.074	S000324-NSF	—	129,770
University of California Riverside	47.074	S-001214	—	10,534
University of California Santa Barbara	47.074	KK1986	—	14,068
University of Central Florida	47.074	Subaward 16406A46	—	12,144
University of Florida	47.074	SUB00002380	—	76,196
University of Georgia	47.074	RC284-652 S001173	—	643
University of Illinois Urbana Champaign	47.074	092629-17184	—	14,140
University of Texas at Austin	47.074	UTA20-000895	—	283,785
Subtotal			67,290	5,734,666
Social, Behavioral, and Economic Sciences	47.075	Direct	50,916	1,134,328
New York University	47.075	F2214-01	—	2,672
NORC at the University of Chicago	47.075	G244.JHU.01	—	67,649
University of Delaware	47.075	59478	—	86,052
Subtotal			50,916	1,290,701
Education and Human Resources	47.076	Direct	195,602	4,341,378
Carnegie Institute for Science	47.076	05-10972-01	—	25,570
Morgan State University	47.076	MSU_JHU_25280	—	15,532
Subtotal			195,602	4,382,480
Office of International Science and Engineering	47.079	Direct	35,037	316,265
CRDF Global	47.079	G-202105-67816	—	82,633
CRDF Global	47.079	OISE-9531011	—	24,423
CRDF Global	47.079	R-202108-68054	—	9,413
University of Maryland College Park	47.079	93601-Z3695201	—	7,539
University of Wisconsin-Madison	47.079	844	—	477,716
Subtotal			35,037	917,989
Integrative Activities	47.083	Direct	—	30,491
Vanderbilt University	47.083	UNIV62474	—	171,388
Subtotal			—	201,879
NSF Technology, Innovation, and Partnerships	47.084	Direct	88,007	235,205
CPR Therapeutics	47.084	2151541	—	132,537
George Washington University	47.084	23-M02	—	23,237
New York University	47.084	S6010-01	—	21,379
OncoSTING, LLC	47.084	NSF 21-563	—	152,752
University of Washington	47.084	UWSC14155	—	49,027
Subtotal			88,007	614,137
Southwest Research Institute: National Science Foundation	47.RD	N61275ZJ	—	39,569
National Science Foundation Total – Other Divisions			2,124,061	43,295,773
Director of National Intelligence:				
Director of National Intelligence	54.RD	Direct	293,324	753,713
Systems and Technology Research	54.RD	2021-0041	258,665	2,371,266
Director of National Intelligence – Other Divisions			551,989	3,124,979

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Department of Veteran Affairs:				
Department of Veteran Affairs	64.RD	Direct	\$ —	83,301
Westat, Inc.	64.RD	8758-S01	—	(2,827)
Department of Veteran Affairs Total – Other Divisions			—	80,474
Environmental Protection Agency:				
Science To Achieve Results (STAR) Research Program	66.509	Direct	2,218	546,410
Yale University	66.509	GK000291(CON80000090	—	50,861
Yale University	66.509	GK000292(CON-8000009	—	10,225
Yale University	66.509	GK000597(CON80000091	—	7,314
Yale University	66.509	GK000599(CON-8000009	—	45,250
Subtotal			2,218	660,060
Office of Research and Development Consolidated Research/Training/Fellowships	66.511	Direct	—	334,806
VISIMO, LLC: National Environmental Education Training Program	66.950	68HERC23C0033	—	20,001
University of Texas at Austin: Environmental Protection Agency	66.RD	UTAUS-SUB00000360	—	9,894
Environmental Protection Agency Total – Other Divisions			2,218	1,024,761
Department of Energy:				
Inventions and Innovations	81.036	Direct	—	122,875
Office of Science Financial Assistance Program	81.049	Direct	744,777	6,321,463
Cornell University	81.049	140268-21384	—	271,996
Illinois Institute of Technology	81.049	SA22-0052-S001	—	196,993
Purdue University	81.049	14000459-025	—	41,585
University of Delaware	81.049	51427	—	(22,453)
University of Illinois Urbana Champaign	81.049	106101-18607	—	37,017
University of New Mexico	81.049	889445-8727	—	36,655
Subtotal			744,777	6,883,256
University Coal Research	81.057	Direct	—	118,750
Renewable Energy Research and Development	81.087	Direct	42,185	153,791
Keystone Tower Systems	81.087	KTS NOWRDC 02	—	108,923
Subtotal			42,185	262,714
Stewardship Science Grant Program	81.112	Direct	—	(5,461)
University of Florida: Nuclear Energy Research, Development and Demonstration	81.121	SUB00002032	—	63,385
Advanced Research Projects Agency – Energy	81.135	Direct	394,165	1,941,061
Columbia University	81.135	3(GG017021-01)	—	32,887
Hight-Tech, LLC	81.135	DE-AR0001239	—	12,198
Hight-Tech, LLC	81.135	DEAR0001600	—	180,070
Stanford University	81.135	62901590-236993	—	80,331
Subtotal			394,165	2,246,547
Department of Energy	81.RD	Direct	—	810,984
Battelle Energy Alliance, LLC	81.RD	242797	—	102,282
Lawrence Livermore National Laboratory	81.RD	B646330	—	21,232
Lawrence Livermore National Laboratory	81.RD	B653622	—	219,139
Northrop Grumman Corporation	81.RD	PO5300028021	—	800,118
Subtotal			—	1,953,755
Department of Energy Total – Other Divisions			1,181,127	11,645,821
Department of Education:				
Foreign Language and Area Studies Fellowships Program	84.015B	Direct	—	309,181
International: Overseas – Doctoral Dissertation	84.022A	Direct	—	9,571
Maryland Department of Education: Special Education-Grants to States	84.027	231378	—	26,633
Maryland Department of Education	84.027	231380	—	45,122
Subtotal			—	71,755
Maryland Department of Education: State Grants—B	84.027A	181726	—	(68)
Maryland Department of Education	84.027A	220847	—	324,817
Maryland Department of Education	84.027A	220858	—	32,759
Maryland Department of Education	84.027A	220859	—	68,361
Maryland State Department of Education	84.027A	221952	—	61,865
Maryland State Department of Education	84.027A	221953	—	253,003
Superintendent of Public Instruction, State of Washington	84.027A	20220400	—	143,670
Subtotal			—	884,407
Maryland Department of Education: Preschool Grants	84.173A	220840	—	50,384
Maryland Department of Education: Preschool Grants	84.173A	220856	—	91,855
Subtotal			—	142,239
Maryland State Department of Education: Special Education-Grants for Infants and Families	84.181	221951	—	174,417
Maryland Department of Education: Individuals with Disabilities Education Act/American Rescue Plan Act of '21	84.181X	221265	—	1,109,802
Maryland Department of Education	84.181X	H181X210124	—	46,449
Subtotal			—	1,156,251
East Tennessee State University: Jacob K. Javits Gifted and Talented Student Education	84.206A	19-287-2-S4.2	—	34,120
Maryland Department of Education	84.206A	R00B9400018	—	36,785
Subtotal			—	70,905
Success For All Foundation: Education Research, Development and Dissemination	84.305	90085091	—	109,016
Education Research, Development and Dissemination	84.305A	Direct	793,546	2,437,449
American University	84.305A	31653-A220008-S02	—	27,731
University of Virginia	84.305A	GM10149 150263	—	24,390
University of Virginia	84.305A	GM10179.PO #2192665	—	(6,113)
Subtotal			793,546	2,483,457
Tulane University: School Choice Policy Research Center	84.305C	TUL-SCC-556412-20/21	—	19,379
University of Virginia: Partnerships and Collaborations Focused on Problems of Practice or Policy	84.305H	GM10150 2389038	—	12,435
Mid-Atlantic Equity Consortium, Inc.: Statewide Family Engagement Centers	84.310	U310A190044	—	96,347
University Of Hawaii	84.310	90103241	—	19,703
Subtotal			—	116,050
University of Connecticut: Special Education Transitioning to Middle School Successfully (TRAMSS)	84.324A	UCHC7-162927443-A1	—	(123)
Maryland State Department of Education: Grants for State Assessments and Related Activities	84.369	220630	—	19,058
Kentucky State Dept. of Education: Comprehensive Literacy State Development	84.371C	S371C190013	—	5,586
SRI International: National Technical Assistance Center to Improve State Capacity to Collect	84.373Z	H373Z190002	—	469,385
Texas A&M Research Foundation: Education Innovation and Research (formerly Investing in Innovation (i3) Fund)	84.411	AB0624949	—	173,527
Education Innovation and Research Grants – Mid-phase Grants	84.411B	Direct	—	1,056,181
Texas A&M University	84.411B	02-S170237	—	(551)
Subtotal			—	1,055,630
Texas A&M University: Supporting Effective Educator Development	84.423A	M1900428	—	5,000
District of Columbia Public Schools: Department of Education	84.RD	PO657304	—	18,745
District of Columbia Public Schools	84.RD	PO673375	—	41,723
Maryland Department of Education	84.RD	220857	—	36,865
Mathematica Policy Research, Inc.	84.RD	51091S06850	—	3,442

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Mathematica Policy Research, Inc.	84.RD	51251S07785	\$ —	7,044
University Of Hawaii	84.RD	90094929	—	45,869
Subtotal			—	153,688
Department of Education Total – Other Divisions			793,546	7,440,814
National Archives and Records Administration:				
National Historical Publications and Records Grants	89.003	Direct	—	43,505
National Archives and Records Administration Total – Other Divisions			—	43,505
Department of Health and Human Services:				
Center for Global Health Innovation, Inc: National Organizations of State and Local Officials	93.011	VAT-JHU-01	65,465	1,592,507
Competitive Abstinence Education (CAE)	93.060	Direct	—	263,957
Colorado State University: Innovations in Applied Public Health Research	93.061	G-35345-01	—	7,185
Global AIDS	93.067	Direct	5,962,592	28,730,080
Global AIDS: COVID-19	93.067	Direct	—	1,129,030
AIDS United	93.067	SSPs & COVID-19	—	86,764
BUMMHI	93.067	CDC-GH2232-002	—	15,695
Centre for Infectious Disease Research	93.067	P358 6 NU2GGH002251-	—	120,072
Subtotal			5,962,592	30,081,641
Geisinger Health Systems: America: Chronic Diseases: Research, Control, and Prevention	93.068	616081JHU05	—	50,819
Birth Defects and Developmental Disabilities – Prevention and Surveillance	93.073	Direct	37,668	724,689
Family Smoking Prevention and Tobacco Control Act Regulatory Research	93.077	Direct	—	1,300,853
Augusta University	93.077	37044-2	—	22,425
University of Vermont	93.077	32359SUB2489	—	405,449
Virginia Commonwealth University	93.077	FP00006477_SA003	—	438,637
Virginia Commonwealth University	93.077	FP00006477_SA020	—	32,376
Virginia Commonwealth University	93.077	FP00006477_SA021	—	3,388
Subtotal			—	2,203,128
Prevention of Disease, Disability, and Death by Infectious Diseases	93.084	Direct	—	512,429
Prevention of Disease, Disability, and Death by Infectious Diseases : COVID-19	93.084	Direct	86,231	907,588
Center for Disease Dynamics, Economics & Policy	93.084	1849-02-JHH	—	119,459
Center for Disease Dynamics, Economics & Policy	93.084	1870-02-JHH	—	5,037
Duke University	93.084	A035591	—	10,712
Massachusetts General Hospital	93.084	U01CK000633	—	10,957
University at Albany – State University of New York	93.084	1170701-4-92448	—	56,537
University at Albany – State University of New York	93.084	4-95509	—	118,099
University at Albany – State University of New York	93.084	5-93075	—	31,673
University at Albany – State University of New York	93.084	5-96352	—	56,622
Subtotal			86,231	1,829,113
Healthy Marriage Promotion and Responsible Fatherhood Grants	93.086	Direct	—	708,724
Food and Drug Administration Research	93.103	Direct	302,407	2,830,580
Children's National Hospital	93.103	30006053	—	1,742
Critical Path Institute	93.103	2U18FD005320	—	677,026
Michigan Technological University	93.103	2105019Z1	—	196,049
New York Medical College	93.103	123900	—	40,377
Seattle Children's Research Institute	93.103	12818SUB	—	5,818
University of Florida	93.103	SUB00002940	—	117,158
University of Rochester	93.103	SUB00000204/UR	—	11,891
University of Rochester	93.103	SUB00000444	—	56,275
Subtotal			302,407	3,936,916
Maternal and Child Health Federal Consolidated Programs	93.110	Direct	869,904	3,490,999
Children's Hospital Los Angeles	93.110	CHAT 1901	—	819
Children's Hospital Los Angeles	93.110	CHAT 1902	—	1,317
Ferre Institute	93.110	6017-06	—	40,937
Lehigh Valley Health Network	93.110	HRSA_22_23_010	—	30,660
Michigan Public Health Institute	93.110	Q-38853-115-5042000B	—	25,000
Michigan Public Health Institute	93.110	UH7MC30775	—	4,007
Red Lake Nation Tribal Council	93.110	FTMTDMBR29C7	—	28,837
Rutgers University	93.110	827955	6,632	40,239
University Hospitals Cleveland Medical Center	93.110	1U1IMC43532-01-00	—	11,876
University of Miami	93.110	OS00000941	—	4,507
University of Mississippi Medical Center	93.110	SP14291-SB08	93,805	391,943
Subtotal			970,341	4,071,141
Environmental Health	93.113	Direct	1,765,044	10,453,608
Campbell University	93.113	88098-01	—	163
Columbia University	93.113	2(GG013047)	—	50,952
Columbia University	93.113	2(GG017455-01)	—	5,784
Drexel University	93.113	900159	—	109,291
Emory University	93.113	A569687	—	8,768
ICAHN School of Medicine at Mount Sinai	93.113	0255-F311-4609	—	15,215
New York University	93.113	21-A0-00-1006189	—	808
Penn State University	93.113	S000445-NIH	—	17,695
University of British Columbia	93.113	GR022512	—	41,989
University of California Davis	93.113	A20-1849-S002	—	48,542
University of California Los Angeles	93.113	1925 G WA084	—	106,659
University of New Mexico	93.113	3RLU4	—	26,964
University of North Carolina	93.113	5126894	—	67,368
University of Wisconsin-Madison	93.113	173405329 14AAC2354	—	19,427
Virginia Polytechnic Institute and State University	93.113	412608-19446	—	132,677
Subtotal			1,765,044	11,105,910
Baltimore City Health Department: Project Grants and Cooperative Agreements for Tuberculosis Control Programs	93.116	39834	—	(877)
Baltimore City Health Department	93.116	40490	—	(1,380)
State of Maryland	93.116	PHPA 18-320	—	(1,659)
Subtotal			—	(3,916)
Oral Diseases and Disorders Research	93.121	Direct	124,214	3,350,460
Emory University	93.121	A711137	—	10,130
University of California Los Angeles	93.121	1350 G YB753	—	32,499
University of California San Francisco	93.121	13470sc	—	288,291
University of Chicago	93.121	AWD101186 (SUB0000006	—	48,068
University of Iowa	93.121	S01428-01	—	24,925
University of Maryland Baltimore	93.121	3001118	—	228,599
University of Maryland Baltimore	93.121	Pre-Award R01DE03102	—	218,334
University of Maryland Baltimore	93.121	SR00005677	—	20,310
University of Utah	93.121	1R01DE027493-01	—	17,457
Subtotal			124,214	4,239,073
Nurse Anesthetist Traineeship	93.124	Direct	—	16,800
Maryland Institute For Emergency Medical Services Systems: Emergency Medical Services for Children	93.127	H3306728	—	33,650
Centers for Research and Demonstration for Health Promotion and Disease Prevention	93.135	Direct	90,661	879,223
University of California San Francisco	93.135	U48DP006374	—	7,443
Subtotal			90,661	886,666

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Federal grantor/pass-through grantor/program or cluster title	Federal Assistance listing number	Direct award or pass-through entity identifying number	Passed through to subrecipients	Total federal expenditures
Injury Prevention and Control Research and State and Community Based Programs	93.136	Direct	\$ 90,631	2,703,846
Maryland Department of Health	93.136	BPM020865	59,469	565,955
Maryland Department of Health	93.136	M00B3600407	—	253,951
Maryland Department of Health	93.136	NUF2CE002486	—	(1,605)
Maryland Department of Health	93.136	PHPA 1939	—	53,623
Maryland Department of Health	93.136	PHPA-1259	—	(749)
Maryland Department of Health	93.136	PHPA-1720	—	1,128
Maryland Department of Health	93.136	PHPA-1944	—	2,620
Subtotal			150,100	3,578,769
Community Programs to Improve Minority Health Grant Program	93.137	Direct	—	(28,932)
Baltimore City Health Department	93.137	40445	—	186,302
Baltimore City Health Department	93.137	40469	—	161,397
Baltimore City Health Department	93.137	CPIMP211292	—	587,653
University of Maryland Baltimore	93.137	F303770-1	—	40,072
Subtotal			—	946,492
NIEHS Superfund Hazardous Substances_Basic Research and Education	93.143	Direct	41,136	216,080
Coordinated Services and Access to Research for Women, Infants, Children, and Youth	93.153	Direct	249,592	868,394
Human Genome Research	93.172	Direct	2,335,468	12,289,595
Baylor University	93.172	7000001533	—	13,024
Columbia University	93.172	1(GG016389-01)	—	12,995
Jackson Laboratory	93.172	210354-0821-02	—	36,862
Massachusetts General Hospital	93.172	239109	—	75,975
Memorial Sloan Kettering Cancer Center	93.172	C21930096	—	173,124
Oregon State University	93.172	P0519A-A	—	(16,413)
Penn State University	93.172	S001701-DHHS	—	1,109,425
Stanford University	93.172	62714773-207870	—	106,841
University of Colorado	93.172	FY22.1126.014	—	279,703
University of North Carolina	93.172	5121618	—	83,349
University of Utah	93.172	10059581-JHU	—	66,753
Subtotal			2,335,468	14,231,233
Research Related to Deafness and Communication Disorders	93.173	Direct	861,933	17,107,772
Columbia University	93.173	1(GG012006-01)	—	296,908
Indiana University	93.173	9266_JHU	—	214,729
Jackson Laboratory	93.173	1R01DC018304	—	132,851
Massachusetts General Hospital	93.173	236539	—	71,377
Medstar Georgetown University Medical Center	93.173	412727 GR412512-JHU	—	35,140
Monell Chemical Senses Center	93.173	NIH057A01REISE	—	61,834
Montana State University	93.173	PG22-61249-01	—	20,108
University Medical Center Utrecht	93.173	1U01DC016686-01-1	—	139,810
University of Buffalo	93.173	R1062080	—	21,976
University of Buffalo	93.173	R1129334	—	126,070
University of South Carolina	93.173	21-4427	—	42,016
University of South Carolina	93.173	21-4430	—	446,060
University of Southern California	93.173	137503754	—	471
Subtotal			861,933	18,717,122
Immunization Research, Demonstration, Public Information and Education Training and Clinical Skills Improvement Projects	93.185	Direct	553,411	1,782,513
Immunization Research, Demonstration, Public Information and Education Training and Clinical Skills Improvement Projects: COVID-19	93.185	Direct	257,555	377,291
American College of Physicians	93.185	90092858	—	58,481
Subtotal			810,966	2,218,285
Research and Training in Complementary and Integrative Health	93.213	Direct	—	980,326
Duke Clinical Research Institute	93.213	A03-5390	—	9,451
Duke Clinical Research Institute	93.213	A03-5521	—	58,285
Duke University	93.213	A03-2239	—	114,290
George Mason University	93.213	E2061231	—	35,398
Penn State University	93.213	S002278-DHHS	—	8,771
University of California Los Angeles	93.213	2000 G XQ331	—	32,649
University of Maryland Baltimore	93.213	20294-0211	—	74,677
University of Texas Health Science Center at Houston	93.213	SA0001174	—	22,948
Washington State University	93.213	132416 SPC003701	—	43,861
Yale University	93.213	GR104245(CON80001407	—	18,092
Subtotal			—	1,398,748
National Research Service Awards Health Services Research Training	93.225	Direct	—	499,263
Research on Healthcare Costs, Quality and Outcomes	93.226	Direct	467,116	5,047,383
Children's Hospital Los Angeles	93.226	000013257-D	—	15,110
Columbia University	93.226	GG011641-01	—	12,656
Cornell University	93.226	83742-11051	—	85,603
Medical University of South Carolina	93.226	A00-3876-S002	—	84,759
Nationwide Children's Hospital	93.226	710074-0523-00	—	21,865
University of Maryland Baltimore	93.226	Subaward 20914	—	48,857
University of Michigan	93.226	SUBK00017354	—	11,158
University of Michigan	93.226	SUBK00017358	—	9,260
University of Minnesota	93.226	N009688803	—	6,559
University of Texas at Arlington	93.226	2019GC0498	—	68,191
Vanderbilt University	93.226	VUMC100994	—	65,262
Vanderbilt University	93.226	VUMC73246	—	39,123
Yale University	93.226	CON-800003396 (GR 11	—	127,372
Subtotal			467,116	5,643,158
National Center on Sleep Disorders Research	93.233	Direct	652,515	5,050,234
George Washington University	93.233	Pre-award: R01HL1331	—	78,967
University of Pennsylvania	93.233	580871	—	(3,114)
University of Pennsylvania	93.233	582550	—	66,252
Subtotal			652,515	5,192,339
Mental Health Research Grants	93.242	Direct	5,508,086	36,216,310
Mental Health Research Grants: COVID-19	93.242	Direct	—	66,505
Boston University	93.242	4500003537	—	73,262
Brigham and Women's Hospital	93.242	127906	—	13,019
Brown University	93.242	1447	—	52,086
Centre for Infectious Disease Research	93.242	M101S12F04	—	283,497
Child Mind Institute	93.242	JHU128696	—	126,290
Cleveland Clinic Foundation	93.242	CCF21373137	—	69,949
Cold Spring Harbor Laboratory	93.242	6500113-PO#921085-SV	—	209,071
Dartmouth College	93.242	R1010	—	63,536
Duke University	93.242	303000315	—	25,039
Duke University	93.242	203-7474	—	2,399
Indiana University School of Medicine	93.242	9426 JHU	—	19,902
Kennedy Krieger Institute	93.242	113191-0722-01	—	378
Kennedy Krieger Institute	93.242	113318-0720-01	—	10,792
Lieber Institute for Brain Development	93.242	1R56MH131817-01	—	39,525
Lieber Institute for Brain Development	93.242	A806	—	34,560
Lieber Institute for Brain Development	93.242	A954	—	162,743
Lieber Institute for Brain Development	93.242	R01MH123183	—	130,905

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Massachusetts General Hospital	93.242	230747	\$ —	(7,811)
Massachusetts Institute of Technology	93.242	S4949, PO# 408872	—	155,464
Medical University of South Carolina	93.242	A21-0315-S001	—	173,336
New York Blood Center, Inc.	93.242	NYB1009074	—	102,356
New York University	93.242	F1415-03	—	47,596
Research Foundation of Suny	93.242	100-1172786-93398	—	27,968
University of Alabama at Birmingham	93.242	000523237-001	—	16,618
University of Alabama at Birmingham	93.242	000534778-SC001	—	6,594
University of Alabama at Birmingham	93.242	523279-0	—	11,228
University of Buffalo	93.242	R1229057	—	(66)
University of California Los Angeles	93.242	2000 G WD207	—	88,064
University of California San Diego	93.242	703636	—	326,353
University of California San Diego	93.242	67410379	—	(16,443)
University of California San Diego	93.242	KR 705210	—	154,012
University of California San Francisco	93.242	13017sc	—	22,682
University of Colorado Denver	93.242	FY23.712.003	—	8,956
University of Colorado Denver	93.242	Subaward 20.524.001	—	149,692
University of Liverpool	93.242	U19MH109998	—	1,178
University of Maryland Baltimore	93.242	1701927	—	163,390
University of Maryland Medical System	93.242	3001271	—	212,907
University of Pennsylvania	93.242	575811	—	64,938
University of Pennsylvania	93.242	582682	—	7,772
University of Washington	93.242	UWSC13965/68167	—	50,706
Washington University	93.242	WU-20-419-MOD-2	—	143,032
Washington University	93.242	WU-21-15	—	69,113
Washington University	93.242	WU-23-0323	—	7,166
Yale University	93.242	CON-80003043 (GR1126	—	32,245
Yale University	93.242	CON-80003962 (GR1179	—	186,461
Yale University	93.242	CON-80004341 (GR1181	—	3,351
Subtotal			5,508,086	39,808,626
Substance Abuse and Mental Health Services Projects of Regional and National Significance	93.243	Direct	15,613	1,776,774
Cherokee Nation	93.243	252758	—	41,103
Red Lake Nation Tribal Council	93.243	H79TI084461	—	61,001
University of Maryland Baltimore	93.243	3003215	—	21,976
Subtotal			15,613	1,900,854
Occupational Safety and Health Program	93.262	Direct	—	543,599
Occupational Safety and Health Program: COVID-19	93.262	Direct	—	289,056
ICAHN School of Medicine at Mount Sinai	93.262	0254-B081-4609	—	13,386
Mount Sinai Medical Center	93.262	0254-B241-4609	—	38,127
Oregon Health Sciences University	93.262	1019570_JHU	—	12,838
Subtotal			—	897,006
Health Systems Strengthening and HIV/AIDS Prevention, Care and Treatment under the President's Emergency Plan for AIDS Relief	93.266	Direct	4,295,709	15,189,006
University of Washington	93.266	UWSC13567	—	189,566
Subtotal			4,295,709	15,378,572
Baltimore City Health Department: Immunization Cooperative Agreements	93.268	CO#40629	—	28,860
Baltimore City Health Department: Adult Viral Hepatitis Prevention and Control	93.270	BCHD818	—	185,303
Alcohol Research Programs	93.273	Direct	860,002	7,220,664
Columbia University	93.273	4(GG017204-01)	—	34,875
Harvard Medical School	93.273	150552.5117592.0003	—	30,940
Partnership to End Addiction	93.273	R34AA028407	—	31,454
Rhode Island Hospital	93.273	7017137290	—	3,173
Theraly Fibrosis, LLC	93.273	U44 AAO26111	—	(1,289)
University of Alabama at Birmingham	93.273	000530477-SPO005-SC0	—	177,557
University of Alabama at Birmingham	93.273	Sub 000512064-002	—	16,700
University of North Carolina	93.273	Subaward No 5127056	—	17,876
University of North Carolina	93.273	Subaward No: 5127062	—	29,793
University of Pittsburgh	93.273	AWD00004801 136937-1	—	72,625
Subtotal			860,002	7,634,368
Drug Abuse and Addiction Research Programs	93.279	Direct	3,007,635	38,357,269
Drug Abuse and Addiction Research Programs: COVID-19	93.279	Direct	—	825,164
Albert Einstein College of Medicine	93.279	312258	—	11,020
American Academy of Child and Adolescent Psychiatry	93.279	K12DA000357	—	172,791
Arreus	93.279	R41DA056239	—	219,347
Columbia University	93.279	1(GG013889-01)	—	69,750
Columbia University	93.279	2(GG011992-01)	—	127,454
Cornell University	93.279	227137-1	—	178,335
Denver Health and Hospital Authority	93.279	A19-0001-S0004	—	56,051
Emory University	93.279	A742150	—	87,206
Emory University	93.279	T996182	—	40,665
Friends Research Institute	93.279	11381	—	47,353
Friends Research Institute	93.279	11384-2	—	7,496
Hennepin Healthcare Research Institute	93.279	15312-3	—	323,614
High Point University	93.279	A21-0008-S002	—	67,817
Lieber Institute for Brain Development	93.279	A1036	—	33,083
Lieber Institute for Brain Development	93.279	A931	—	85,235
Lieber Institute for Brain Development	93.279	A958	—	39,357
Maryland Treatment Center	93.279	Subaward78R33HAM1	—	5,959
Medical College of Wisconsin	93.279	R01DA044971	—	(5,682)
New York University	93.279	2E+11	—	105,474
New York University	93.279	20-A0-S1-003671	—	22,159
New York University	93.279	20-A0-S2-003671	—	14,572
New York University	93.279	20A0S3003671	—	19,959
Rand Corporation	93.279	SCON-00000117	—	3,610
Rand Corporation	93.279	SCON-00000132	—	62,366
Research Foundation for Mental Hygiene	93.279	157171	—	3,597
Research Triangle Institute	93.279	4-340-0216061-65660L	—	178,937
Research Triangle Institute	93.279	6-312-0218755-67097L	—	64,136
Simon Fraser University	93.279	GTR26399	—	100,352
Stanford University	93.279	63030336-257650	—	4,514
University of California San Diego	93.279	KR 704896	—	36,265
University of Cincinnati	93.279	013764-00040	—	28,345
University of Illinois	93.279	16641	—	49,378
University of Maryland Baltimore	93.279	U01DA040325	—	115,871
University of Minnesota	93.279	D010059601	—	1,192
University of North Carolina	93.279	5111928	—	72,623
University of North Carolina	93.279	5112083	—	(10,468)
University of Pennsylvania	93.279	586075	—	61,275
University of Pennsylvania	93.279	Subaward No. 583523	—	84,816
University of Utah	93.279	10058454-02	—	24,803
Subtotal			3,007,635	41,793,060
Centers for Disease Control and Prevention Investigations and Technical Assistance	93.283	Direct	—	28,695
Discovery and Applied Research for Technological Innovations to Improve Human Health	93.286	Direct	2,854,099	16,598,473
Discovery and Applied Research for Technological Innovations to Improve Human Health: COVID-19	93.286	Direct	81,972	1,127,045
Brigham and Women's Hospital	93.286	125258	—	437,068
Brimrose Corporation of America	93.286	1 R41 EB033758-01	—	28,673

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Federal grantor/pass-through grantor/program or cluster title	Federal Assistance listing number	Direct award or pass-through entity identifying number	Passed through to subrecipients	Total federal expenditures
Children's National Hospital	93.286	30003690-01	\$ —	12,431
Children's National Hospital	93.286	30004680-02	—	23,428
Clear Guide Medical, LLC	93.286	JHU-21-001	—	26,199
Indiana University	93.286	BL4633300JHU	—	39,710
Kennedy Krieger Institute	93.286	110156-0621-03B	—	(8,543)
Kennedy Krieger Institute	93.286	110156-0817-02B	—	(561)
Kennedy Krieger Institute	93.286	113455-0422-02B	—	300,103
Kennedy Krieger Institute	93.286	113455-0422-03B	—	10,654
Kennedy Krieger Institute	93.286	R21EB030009	—	1,586
Lumo Imaging, LLC	93.286	1	—	81,475
Massachusetts General Hospital	93.286	238961	—	91,613
Massachusetts General Hospital	93.286	5U54EB015408-09S1	—	99,232
Massachusetts Institute of Technology	93.286	121238	—	52,145
Optosurgical, LLC	93.286	JHU-001	—	121,850
Perceptron Health, Inc	93.286	Subawrd No. 1	—	41,923
Rensselaer Polytechnic Institute	93.286	A22-0079-S003	—	101,784
University of California Davis	93.286	A22-1701-S002	—	35,687
University of California San Francisco	93.286	10956sc	—	213,232
University of California Santa Barbara	93.286	KK1867	—	39,980
University of Maryland Baltimore	93.286	1903693	—	(10,721)
University of Maryland College Park	93.286	118017-Z0521202	—	116,293
University of Massachusetts	93.286	OSP/WPM33765-JHU	—	361,680
University of Pennsylvania	93.286	R01EB030494	—	111,846
University of Pittsburgh	93.286	AWD00001271 (133816-	—	91,931
University of Virginia	93.286	GB10952.PO#2387616	—	363,736
Subtotal			2,936,071	20,509,952
Teenage Pregnancy Prevention Program	93.297	Direct	—	4,556
Baltimore City Health Department	93.297	40226	—	2,413
Baltimore City Health Department	93.297	40256	—	(3,100)
Baltimore City Health Department	93.297	BCHD845	—	136,226
Baltimore City Health Department	97.297	BCHD846	—	61,630
Maryland Department of Health	93.297	1TP1AH000234-01-00	—	123
Maryland Department of Health	93.297	MOAHP FY23	—	154,054
Subtotal			—	355,902
University of Minnesota: National Center for Health Workforce Analysis	93.300	P010074159	—	10,210
Minority Health and Health Disparities Research	93.307	Direct	377,516	10,549,952
Koronis Biomedical Technologies	93.307	R44MD010177	—	39,173
Lifegene Biomarks, Inc.	93.307	R44MD014911	—	(14,709)
Massachusetts General Hospital	93.307	237174	—	9,279
Medical University of South Carolina	93.307	A23-0089-S001	—	33,290
Nationwide Children's Hospital	93.307	700280-0123-00	—	26,749
North Carolina State University	93.307	2017-1593-03	—	4,824
Northwestern University	93.307	60063243_JHU	—	177,693
Roswell Park Cancer Institute	93.307	90104908	—	5,008
University of Alabama at Birmingham	93.307	000520840-002	—	38,090
University of North Carolina	93.307	5112763	—	11,786
University of North Carolina	93.307	5122979	—	181,152
University of North Carolina	93.307	5125507	—	52,075
University of North Carolina	93.307	5126177	—	17,242
University of Pittsburgh	93.307	47269 (127145-4)	—	(2,912)
University of Virginia	93.307	GB10668.PO#2392578	—	31,782
University of Washington	93.307	UWSC14247	—	64,788
Yale University	93.307	CON-80003342 (GR1147	—	29,087
Yale University	93.307	CON-80004184(GR11933	—	16,636
Subtotal			377,516	11,270,985
Trans-NIH Research Support	93.310	Direct	10,484,095	28,001,004
Trans-NIH Research Support: COVID-19	93.310	Direct	335,851	3,878,500
Brandeis University	93.310	404196JHU	—	(2,160)
Drexel University	93.310	900244	—	392,579
Duke University	93.310	303001180	—	14,550
Duke University	93.310	303001181	—	28,406
Duke University	93.310	A03-5083	—	38,534
Duke University	93.310	A03-5276	—	38,383
Duke University	93.310	A03-5277	—	3,638
Kaiser Permanente	93.310	RNG209773-JHU-1	—	6,365
Makerere University	93.310	MakCHS112021	—	15,222
Morgan State University	93.310	MSUJHU897206	—	21,079
New York Genome Center	93.310	2021-0023_JHU_01	—	5,533
New York Genome Center	93.310	2021-0095_JHU_01	—	126,848
Purdue University	93.310	11000549-019	—	121,574
Rhode Island Hospital	93.310	7137538	—	239,924
Tulane University	93.310	TUL-HSC-559853-21/22	—	3,626
University of California San Diego	93.310	126035730	—	5,918
University of California San Francisco	93.310	12240sc	—	103,646
University of Cape Town	93.310	UCT34656	—	26,544
University of Colorado	93.310	FY23.1188.001	—	186,091
University of North Carolina	93.310	5122407	—	10,931
University of North Texas	93.310	RF00250-2022-0036	—	256,693
University of Washington	93.310	UWSC14055	—	237,142
University of Washington	93.310	UWSC14058	—	26,428
University of Wisconsin-Madison	93.310	2434	—	331,897
Worcester Polytechnic Institute	93.310	10620-GR	—	12,095
Xavier University of Louisiana	93.310	21-211386-000	—	33,913
Subtotal			10,819,946	34,164,903
University of Florida: Rare Disorders: Research, Surveillance, Health Promotion, and Education	93.315	SUB00003548	—	8,882
Maryland Department of Health: Emerging Infections Programs	93.317	BPO #M00B3600593	—	419,495
Maryland Department of Health	93.317	NU50CH000487	—	1,538
Maryland Department of Health	93.317	PHPA-1752	197,261	732,800
Subtotal			197,261	1,153,833
Protecting and Improving Health Globally: Building and Strengthening Public Health Impact, Systems, Capacity and Security	93.318	Direct	1,054,048	11,719,439
Protecting and Improving Health Globally: Building and Strengthening Public Health Impact, Systems, Capacity and Security: COVID-19	93.318	Direct	292,343	4,272,821
Global Health Development	93.318	NU2HGH000039-02	—	35,490
Global Scientific Solutions for Health, LLC	93.318	154	—	126,669
Subtotal			1,346,391	16,154,419
Dietary Supplement Research Program	93.321	Direct	—	35,804
University of Virginia: Strengthening Public Health through Surveillance, Epidemiologic Research, Disease Detection and Prevention	93.326	GB10985.PO#2372750	—	(8,425)
University of Minnesota: The Healthy Brain Initiative: Technical Assistance to Implement Public Health Actions Related to Cognitive Health, Cognitive Impairment, and Caregiving at the State and Local Levels	93.334	P008703953	—	18,864
Healthy Teen Network: Public Health Service Evaluation Funds	93.343	PHEPA000006	—	52,832
National Center for Advancing Translational Sciences	93.350	Direct	4,425,735	23,655,674
National Center for Advancing Translational Sciences: COVID-19	93.350	Direct	2,874	6,212
Boston Children's Hospital	93.350	GENFD0002254640	—	7,873
Duke University	93.350	8227 ACTIV-6	—	5,989

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Federal grantor/pass-through grantor/program or cluster title	Federal Assistance listing number	Direct award or pass-through entity identifying number	Passed through to subrecipients	Total federal expenditures
Duke University	93.350	A034559: 266338	\$ —	8,805
Duke University	93.350	subaward 203-8371	—	2,292
Mayo Clinic	93.350	236019 PO 65746848	—	(3,684)
New York University	93.350	UL1TR001445	—	999
Oregon Health Sciences University	93.350	1011902 JHU	—	3,089
Rockefeller University	93.350	SUB00000119	—	79,499
University of Colorado	93.350	FY22.1126.005	107,660	375,014
University of Washington	93.350	UWSC12649	—	826
Subtotal			4,536,269	24,142,588
Research Infrastructure Programs	93.351	Direct	—	3,035,270
21st Century Cures Act – Beau Biden Cancer Moonshot	93.353	Direct	42,371	733,846
Children's Hospital of Philadelphia	93.353	3201420821-S2	—	12,119
Children's Research Institute	93.353	30004929-02	—	155,145
Vanderbilt University Medical Center	93.353	VUMC69196	—	99,581
Subtotal			42,371	1,000,691
Nursing Research	93.361	Direct	669,776	5,340,891
Massachusetts General Hospital	93.361	233238	7,027	112,409
University of California San Francisco	93.361	11807sc	—	5,082
University of Texas Health Science Center at Houston	93.361	SA0002403	—	31,427
Subtotal			676,803	5,489,809
Sickle Cell Treatment Demonstration Program	93.365	Direct	487,300	1,321,971
University of Alabama at Birmingham	93.365	000532208-SC004	—	16,536
Subtotal			487,300	1,338,507
Baylor College of Medicine: 21st Century Cures Act – Precision Medicine Initiative	93.368	10T2O2002751	—	2,813,963
Multiple Approaches to Support Young Breast Cancer Survivors and Metastatic Breast Cancer Patients	93.376	Direct	3,961	421,448
Cancer Cause and Prevention Research	93.393	Direct	463,480	5,178,729
Brigham and Women's Hospital	93.393	126916	—	35,379
Duke University Medical School	93.393	1R01CA235677-01A1	—	85,841
Emory University	93.393	A815408	—	66,629
Fred Hutchinson Cancer Research Center	93.393	1044609/1110311	—	6,746
Harvard Medical School	93.393	111349-5120255	—	29,506
Harvard University	93.393	117343-5113759	—	152,580
International Agency for Research on Cancer	93.393	CRA/GEP/2018/8	—	17,780
New York University	93.393	17-A1-00-007671-01	—	2,070
Northwestern University	93.393	60047262 JHU	—	15,004
University of Alabama at Birmingham	93.393	000514642-SP007-SC00	—	3,265
University of Delaware	93.393	57655	—	26,492
University of Massachusetts	93.393	PO # WA00998714	—	128,452
University of Minnesota	93.393	N009774302	—	38,739
University of Southern California	93.393	109644168	—	341,020
University of Texas Health Science Center	93.393	171994/170644	—	9,189
University of Virginia	93.393	GB10470.PO #2271790	—	(77,391)
White Mountain Apache Tribe	93.393	NARCH XI – Adm. Core	—	53,142
White Mountain Apache Tribe	93.393	NARCH XI – Bright	—	143,001
White Mountain Apache Tribe	93.393	NARCH XI – Cancer	—	253,282
White Mountain Apache Tribe	93.393	NARCH XI – Staph	—	150,035
Subtotal			463,480	6,659,490
Cancer Detection and Diagnosis Research	93.394	Direct	1,118,284	16,169,823
Cancer Detection and Diagnosis Research: COVID-19	93.394	Direct	—	771,146
Binghamton University	93.394	92489	—	53,631
Brigham and Women's Hospital	93.394	121759	—	77,458
Case Western Reserve University	93.394	RES600953	—	75,270
Cedars-Sinai Medical Center	93.394	2092742	—	17,397
Children's National Hospital	93.394	30005822-01	—	232,818
Duke University	93.394	303000309	—	25,943
Fischer Imaging	93.394	1R44CA268305	—	83,185
Fred Hutchinson Cancer Research Center	93.394	1041240	—	36,672
General Electric Corporation	93.394	5U01CA231860	—	550
Georgetown University	93.394	424470_GR411508-JHU	—	16,235
Georgia Institute of Technology	93.394	AWD-001339-G1	—	4,721
JBS Science, Inc.	93.394	R44CA165312-JHU	—	5,665
Lifegene Biomarkers, Inc.	93.394	R44CA254690	—	81,130
Malcova, LLC	93.394	1R43CA261381-01	—	2,217
Massachusetts General Hospital	93.394	231399	—	22,343
Mayo Clinic	93.394	JOH237854PO7829276	—	133,936
Michigan State University	93.394	RC111649A	—	21,533
Michigan State University	93.394	RC114433JHU	—	6,669
Oncospace, Inc.	93.394	R43CA254559	—	30,734
Research Foundation of The City University of New York	93.394	CM00005556-00	—	84,801
Tulane University	93.394	TUL-SCC-556459-18 19	—	3,408
University of Alabama at Birmingham	93.394	000527768-SC001	—	119,265
University of Arkansas	93.394	UA2020-133	—	230,377
University of Arkansas for Medical Sciences	93.394	FP 52867	—	60,482
University of California Los Angeles	93.394	1350 G WE901	—	10,418
University of California San Diego	93.394	120941031	—	(1,014)
University of California San Diego	93.394	123035339	—	89,559
University of New Mexico	93.394	70701D-8727	—	9,461
University of Pennsylvania	93.394	586052	—	222,937
University of Pittsburgh	93.394	AWD00003372 (135537-	—	45,121
University of Pittsburgh	93.394	AWD00006505(138667-1	—	88,276
University of Pittsburgh	93.394	CNVA00054040(135237-	—	27,702
University of South Florida	93.394	1257-1022-00-B	—	40,661
University of Texas at Galveston	93.394	20-84918-01	—	168,224
University of Texas San Antonio	93.394	Subaward No. 168995	—	(2,707)
Subtotal			1,118,284	19,066,047
Cancer Treatment Research	93.395	Direct	2,983,275	18,971,171
Albert Einstein College of Medicine	93.395	312056	—	54,569
American College of Radiology	93.395	1805	—	116,656
Asclepix Therapeutics, LLC	93.395	Immunocactivating Pep	—	(1,677)
Baruch Blumberg Institute	93.395	HCCU-JHU-01	—	17,714
Children's Hospital of Philadelphia	93.395	2U10CA180886	—	(31,284)
Children's Hospital of Philadelphia	93.395	ACNS1833	—	404
Children's Hospital of Philadelphia	93.395	U10CA180886	—	13,341
Eastern Cooperative Oncology Group	93.395	U10CA180820-01-JHU3	—	6,089
Ecog-Acrin Cancer Research Group	93.395	U01CA180820-06-JHU3C	—	19,857
Ecog-Acrin Cancer Research Group	93.395	U10CA180820-01-JHU1	—	20,078
Ecog-Acrin Cancer Research Group	93.395	U10CA180820-06-JHU1C	—	20,000
Ecog-Acrin Cancer Research Group	93.395	U10CA180820-09JHU5C	—	26,427
Emmes Corporation	93.395	13765	—	289,055
Emory University	93.395	A101982	—	66,996
Emory University	93.395	A311479	—	137,677
Fred Hutchinson Cancer Research Center	93.395	826187	—	(49,100)
ICAHN School of Medicine at Mount Sinai	93.395	0255-C921-4609	—	68,877
Kubanda Cryotherapy, LLC	93.395	1R43CA261360-01A	—	6,270
Nanocan Therapeutics Corporation	93.395	1R41CA268623	—	128,591
Nanocan Therapeutics Corporation	93.395	R42CA272056	—	30,338

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Federal grantor/pass-through grantor/program or cluster title	Federal Assistanc- listing number	Direct award or pass-through entity identifying number	Passed through to subrecipients	Total federal expenditures
NRG Oncology	93.395	SU10CA180868	\$ —	6,969
NRG Oncology	93.395	NCTN Armstrong	—	6,479
NRG Oncology	93.395	NCTN05-Gailard	—	6,989
NRG Oncology	93.395	NRG-Wenzel-GY10	—	15,825
OncoSTING, LLC	93.395	R44CA261506	—	107,484
Oregon Health Sciences University	93.395	1013080_JHU	—	4,075
Oregon Health Sciences University	93.395	1019207_JHU	—	5,726
Oregon Health Sciences University	93.395	1021478_JHU	—	5,019
Public Health Institute	93.395	AR03403	—	10,547
Public Health Institute	93.395	AR12233	—	20,031
Public Health Institute	93.395	AR13117	—	15,514
Public Health Institute	93.395	AR13118	—	6,649
Public Health Institute	93.395	AR13119_	—	12,531
Public Health Institute	93.395	U10CA180886	—	1,467
Sonoval LLC	93.395	1R44CA254764 01A1	—	242,481
St. Jude Children's Research Hospital	93.395	11128728G-8084357	—	68,760
Stanford University	93.395	62098893-135189	—	47,168
Stanford University	93.395	62713845-206294	—	47,137
Stanford University	93.395	62820123-209745	—	110,993
University of Arizona	93.395	603525	—	1,919
University of California Los Angeles	93.395	1568 G TA827	—	3,926
University of California Los Angeles	93.395	1916 G UA065	—	315
University of Illinois	93.395	092530-17140	—	55,991
University of Nebraska Medical Center	93.395	34-2005-2092-201	—	279,095
University of Pennsylvania	93.395	578669	—	5,272
University of Pittsburgh	93.395	AWD00003661(135733-1	—	60,520
University of Pittsburgh	93.395	AWD00006702 (139018-	—	189,484
University of Texas Health Science Center at Houston	93.395	SA0002704	—	141,247
University of Texas Southwestern Medical Center	93.395	230305	—	23,617
University of Texas Southwestern Medical Center	93.395	230307	—	47,235
University of Texas Southwestern Medical Center	93.395	SUB202107-0078	—	16,860
University of Washington	93.395	UWSC11396	—	96,306
Up Therapeutics, Inc	93.395	265463	—	105,272
Washington University	93.395	wu19393	—	60,523
Washington University	93.395	WU-21-109	—	60,969
Weill Medical College of Cornell University	93.395	213607-2	—	74,066
Weill Medical College of Cornell University	93.395	Subaward 194621-4	—	95,612
Wistar Institute	93.395	24928-01-314, Projec	—	129,111
Wistar Institute	93.395	24928-12-314; Core A	—	23,035
Subtotal			2,983,275	22,124,268
Cancer Biology Research	93.396	Direct	1,603,168	13,630,282
Arizona State University	93.396	ASUB00000498	—	101,046
Baylor College of Medicine	93.396	7000001706	—	243,117
Broad Institute	93.396	5012119-5500001202	—	93,835
Cedars-Sinai Medical Center	93.396	1757859	—	(37,922)
Cincinnati Children's Hospital Medical Center	93.396	313686	—	161,810
Oregon Health Sciences University	93.396	1013137_JHU	—	163,691
Oregon Health Sciences University	93.396	1014823_JHU	—	22,682
State University of New York at Stony Brook	93.396	94911/1176380/2	—	16,634
Sylvatica Biotech, Inc.	93.396	PA18-574	—	4,638
University of California Los Angeles	93.396	0125 G ZA931	—	268,936
University of Cincinnati	93.396	013155-002	—	21,489
University of Colorado Denver	93.396	FY22.1124.002	—	106,663
University of Maryland College Park	93.396	110027-Z0492201	—	17,525
University of Michigan	93.396	SUBK00011358	82,880	150,662
University of Pennsylvania	93.396	579553	—	188,950
University of Southern California	93.396	SCON-00004106	—	74,762
University of Texas at Austin	93.396	UTA18-001386	—	22,048
Subtotal			1,686,048	15,250,848
Cancer Centers Support Grants	93.397	Direct	3,191,592	17,917,987
Baylor College of Medicine	93.397	PO7000001574	—	37,145
Case Western Reserve University	93.397	RES512157	—	34,970
Coriell Institute for Medical Research	93.397	A22-0002-S001	—	195,380
Coriell Institute for Medical Research	93.397	A22-0002-S011	—	64,497
Indiana University School of Medicine	93.397	9146	—	17,712
Indiana University School of Medicine	93.397	9151	—	4,600
Indiana University School of Medicine	93.397	9153	—	4,600
MD Anderson Cancer Center	93.397	3001458667	—	82,365
MD Anderson Cancer Center	93.397	3002108949	—	210,348
Research Foundation of the City University of New York	93.397	CM00007479	—	14,577
University of Kentucky	93.397	3210001063-19-073	—	31,485
University of Michigan	93.397	SUBK00019074	—	43,103
Vanderbilt University Medical Center	93.397	VUMC 106126	—	55,731
Washington University	93.397	WU-19-47	—	82
Subtotal			3,191,592	18,714,582
Cancer Research Manpower	93.398	Direct	64,629	7,048,427
Columbia University	93.398	1(GG015997-01)(Off)	—	107,340
Subtotal			64,629	7,155,767
Cancer Control	93.399	Direct	—	461,139
Ecog-Acrin Cancer Research Group	93.399	UG1CA189828	—	19,704
Ecog-Acrin Cancer Research Group	93.399	UG1CA189828-08-JHU3	—	12,925
Ecog-Acrin Cancer Research Group	93.399	UG1CA189828-08-JHU4	4,423	32,780
Ecog-Acrin Cancer Research Group	93.399	UGICA189828-07-JHU2	—	5,148
Public Health Institute	93.399	AR61532	—	6,649
University of Wisconsin-Madison	93.399	2452	—	27,528
University of Wisconsin-Madison	93.399	2453	—	2,930
Subtotal			4,423	568,803
American Public Health Association: Strengthening Public Health Systems and Services through National Partnerships to Improve and Protect the Nation's Health	93.421	2022-0002	303	64,871
National Association of County and City Health Officials	93.421	2784	—	75,716
National Association of County and City Health Officials	93.421	2022-020304	—	381,069
Subtotal			303	521,656
ACL National Institute on Disability, Independent Living, and Rehabilitation Research	93.433	Direct	100,399	692,911
Catholic University of America	93.433	90REGE0004-01-00	—	20,740
Subtotal			100,399	713,651
Maryland State Department of Education: Every Student Succeeds Act/Preschool Development Grants	93.434	210648	—	(4,943)
Maryland State Department of Education	93.434	220310	—	5,198,602
State of New Jersey	93.434	90104857	—	3,257
Subtotal			—	5,196,916
Prince George's County Health Department: Innovative State and Local Public Health Strategies to Prevent and Manage Diabetes and Heart Disease and Stroke	93.435	90104909	—	74,539
Prince George's County Health Department	93.435	4400005873	—	30,145
Subtotal			—	104,684

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Federal grantor/pass-through grantor/program or cluster title	Federal Assistance listing number	Direct award or pass-through entity identifying number	Passed through to subrecipients	Total federal expenditures
Northwest Portland Area Indian Health Board: Indian Self-Determination	93.441	248-96-0011	\$ —	45,012
Northwest Portland Area Indian Health Board	93.441	C22-123	—	152,803
Subtotal			—	197,815
Kennedy Krieger Institute: CDC Undergraduate Public Health Scholars Program (CUPS): A Public Health Experience to Expose Undergraduates Interested in Minority Health to Public Health and the Public Health Professions	93.456	1 NU50CD300866-01-00	—	5,065
Child Care and Development Block Grant	93.575	Direct	—	8,700
Maryland State Department of Education	93.575	180731	—	(14,929)
Maryland State Department of Education	93.575	191144	—	(24,838)
Maryland State Department of Education	93.575	221236	655,583	1,133,241
Maryland State Department of Education	93.575	221670	—	43,304
Maryland State Department of Education	93.575	231830	—	53,825
Subtotal			655,583	1,199,303
Head Start	93.600	Direct	28,431	168,218
University of Virginia	93.600	AWD-004416.SUB000006	—	9,170
Subtotal			28,431	177,388
Asylee Women Enterprises: Assistance for Torture Victims	93.604	90ZT0239-01-00	—	44,253
Health Care Innovation Awards (HCIA)	93.610	Direct	(70,154)	(70,154)
Kennedy Krieger Institute: University Centers for Excellence in Developmental Disabilities Education, Research, and Service	93.632	113538-0924-01	—	5,094
Baltimore City Health Department: Ending the HIV Epidemic: A Plan for America — Ryan White HIV/AIDS Program Parts A and B	93.686	CO #BCHD926	133,216	743,611
Baltimore City Health Department: Viral Hepatitis Prevention and Control	93.720	40606	—	(2,146)
Mental and Behavioral Health Education and Training Grants : COVID-19	93.732	Direct	—	1,064,768
Maryland Department of Health: Opioid STR	93.788	PHPA 1865.17	—	516,385
Maryland Department of Health	93.788	PHPA-G1302	—	(797)
Subtotal			—	515,588
Emory University: National Ebola Training and Education Center (NETEC)	93.825	A281253	—	(28,270)
Cardiovascular Diseases Research	93.837	Direct	10,372,332	50,656,114
Albert Einstein College of Medicine	93.837	3111257	—	3,922
Albert Einstein College of Medicine	93.837	312229	—	11,150
Albert Einstein College of Medicine	93.837	31148A	—	256,383
American Heart Association	93.837	ATRAC-5U54HL120163	—	366,563
Ann & Robert H. Lurie Children's Hospital of Chicago	93.837	901647-JHU	—	21,237
Augusta University	93.837	35238-2	—	168,876
Beth Israel Deaconess Medical Center	93.837	1063528	—	52,815
Beth Israel Deaconess Medical Center	93.837	1063617	—	60,620
Boston University	93.837	4500004052	—	31,994
Brigham and Women's Hospital	93.837	122799	—	231,388
Brigham and Women's Hospital	93.837	123632	—	101,497
Curi Bio	93.837	4R44HL149566-02	—	117,979
Duke Clinical Research Institute	93.837	A035536	—	99,518
Duke University	93.837	303001841	—	26,724
EicOsis	93.837	1R43HL164226	—	62,968
Emory University	93.837	A741372	—	11,620
Florida State University	93.837	R000002804	—	(3,275)
Fred Hutchinson Cancer Research Center	93.837	1110221	—	14,196
Geisinger Health Systems	93.837	666953JHU04	—	69,116
George Washington University	93.837	S-ALP2022-CF41	—	106,264
Hektoen Institute for Medical Research	93.837	50814-324-JHSOM01	—	174,460
ICAHN School of Medicine at Mount Sinai	93.837	0255-A343-4605	—	363
ICAHN School of Medicine at Mount Sinai	93.837	0255-A344-4605	—	1,563
I-Cordis, LLC	93.837	SBIR-ICORDIS	—	66,483
Kennedy Krieger Institute	93.837	5R01HL144751-02 REVI	—	16,065
Kennedy Krieger Institute	93.837	R01HL149742	—	39,597
Massachusetts General Hospital	93.837	236181	—	35,388
Mirtech, Inc	93.837	1R41HL166053	—	41,829
New England Research Institute, Inc.	93.837	R01HL141213	—	206
New England Research Institute, Inc.	93.837	U24HL135691	—	4,653
Northern California Institute for Research and Education	93.837	KI22200-01	—	398,463
Northwestern University	93.837	60050339 JHU	—	36,754
Northwestern University	93.837	60058535 JHU	—	32,768
Penn State University	93.837	S002767-DHHS	—	59,810
Research Triangle Institute	93.837	4-312-0218666-66945L	—	99,076
Research Triangle Institute	93.837	9-312-0216670-66924L	—	1,067
Tissue Testing Technologies LLC	93.837	1R43HL158398	—	30,897
Tissue Testing Technologies LLC	93.837	R43HL152941	—	39,768
Tulane University	93.837	TUL-HSC-560001-21/22	—	24,981
University of Alabama at Birmingham	93.837	000528250-SC004	—	9,451
University of California Davis	93.837	A23-0376-S002	—	11,480
University of California San Francisco	93.837	12479sc	—	68,256
University of California San Francisco	93.837	12919sc	—	67,152
University of Chicago	93.837	AWD100549(SUB00000044	—	(3,524)
University of Chicago	93.837	AWD101137 (SUB0000002	—	(2,323)
University of Colorado Denver	93.837	FY23.1201.002	—	152,062
University of Houston	93.837	R-21-0097	—	9,470
University of Illinois Chicago	93.837	17471	—	215,254
University of Kentucky	93.837	3200001355-18-049	—	860
University of Michigan	93.837	SUBK00010377	—	177,401
University of Michigan	93.837	SUBK00012921	—	17,822
University of Michigan	93.837	SUBK00016947	—	6,241
University of Minnesota	93.837	P008505105	—	39,629
University of Minnesota	93.837	P009030104	—	45,209
University of Mississippi Medical Center	93.837	SP14106-SB3	—	(1,429)
University of Pennsylvania	93.837	575277	—	228,547
University of Pennsylvania	93.837	578621	—	19,551
University of Pennsylvania	93.837	580479	—	18,437
University of Pittsburgh	93.837	AWD00004314 (13860..	—	1,502
University of Pittsburgh	93.837	AWD00004807(136801-2	—	26,423
University of Pittsburgh	93.837	COVID CCS	—	32,912
University of Rochester	93.837	417426G / UR FAO GR5	—	(131)
University of Rochester	93.837	417493G	—	1,976
University of Texas San Antonio	93.837	1000005391	—	13,426
University of Texas San Antonio	93.837	173068/172471	—	4,723
University of Washington	93.837	UWSC11123	—	18,504
Vanderbilt University Medical Center	93.837	VUMC95799	—	166,959
Wake Forest University	93.837	1003-45116-110000...	—	41,047
Washington University	93.837	WU-21-7	—	103,779
Westat, Inc.	93.837	6922-03-02-MIP-S001	—	8,387
Subtotal			10,372,332	55,070,913
Lung Diseases Research	93.838	Direct	1,082,974	15,619,085
Brigham and Women's Hospital	93.838	117868	—	36,078
Brigham and Women's Hospital	93.838	127330	—	17,526
Cedars-Sinai Medical Center	93.838	1413446	—	20,135
Children's Hospital of Philadelphia	93.838	GRT-00000547	—	7,284
Cincinnati Children's Hospital Medical Center	93.838	137990	—	9,048

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Federal grantor/pass-through grantor/program or cluster title	Federal Assistance listing number	Direct award or pass-through entity identifying number	Passed through to subrecipients	Total federal expenditures
Cleveland Clinic Foundation	93.838	CCF21026567	\$ —	7,811
Columbia University	93.838	1(GG015835-03)	—	42,566
Columbia University	93.838	6(GG010919)	—	(1,506)
Columbia University	93.838	6(GG015835-02)	—	76,324
Columbia University	93.838	MESA Lung	—	87,342
COPD Foundation	93.838	1	—	25
Duke University	93.838	303001604	—	50,727
Duke University	93.838	A03-5363	—	60,200
Emory University	93.838	A345896	25,519	32,592
Emory University	93.838	A346343	(44,734)	(50,105)
Fred Hutchinson Cancer Research Center	93.838	1058938	—	4,947
Fred Hutchinson Cancer Research Center	93.838	1058957	—	(318)
Fred Hutchinson Cancer Research Center	93.838	1110337	—	137,431
Fred Hutchinson Cancer Research Center	93.838	1110346	—	22,638
Massachusetts General Hospital	93.838	224404	—	25,576
Massachusetts General Hospital	93.838	238915	—	14,639
National Jewish Health	93.838	20071914	—	22,259
National Jewish Health	93.838	20127791	—	182
National Jewish Health	93.838	20116003_JHMC	—	10,619
Nemours Children's Clinic	93.838	761126-0-RSUB	—	115,061
New York University	93.838	F2062-01	—	37,039
New York University	93.838	OT2HL161847	—	9,130
Northwestern University	93.838	60053561JHU	—	1,217,412
Northwestern University	93.838	60056806JHU	—	108,161
Princeton University	93.838	SUB0000557	—	58,605
Research Triangle Institute	93.838	35-312-0217571-66398	—	(25,725)
Research Triangle Institute	93.838	48-312-0217571-66809	—	7,125
Rutgers University	93.838	1147	—	337,190
SiteOne Therapeutics, Inc	93.838	R44HL147776	—	57,943
Stanford University	93.838	62349857-131009	—	22,809
Stanford University	93.838	62993207-128182	—	18,713
University of Alabama at Birmingham	93.838	000530409-SC010	—	52,787
University of California San Francisco	93.838	10438sc	—	294,159
University of California San Francisco	93.838	10955sc	—	23,995
University of California San Francisco	93.838	13041sc	—	135,759
University of Colorado	93.838	FY22.1126.030	—	1,037,971
University of Colorado Denver	93.838	FY18.784.006	—	462,693
University of Michigan	93.838	SUBK00017833	—	34,724
University of North Carolina	93.838	5114593	—	51,327
University of North Carolina	93.838	5124233	—	39,458
University of North Carolina	93.838	5117256-H3JOHNHOPK	—	(168,989)
University of Pennsylvania	93.838	579545	—	49,646
University of Pennsylvania	93.838	586182	—	40,959
University of Pittsburgh	93.838	Pre Award: Primary I	—	81,383
University of Rochester	93.838	417815 / URFAO: GR51	—	45,656
University of Vermont	93.838	31438-01-004-SUB-000	—	30,235
University of Vermont	93.838	32723SUB52543	—	17,447
University of Vermont	93.838	AWD00001126SUB0000004	—	11,809
Vanderbilt University	93.838	VUMC63781	—	16,863
Vanderbilt University Medical Center	93.838	VUMC105529	—	52,002
Weill Medical College of Cornell University	93.838	192243-4	—	46,253
Weill Medical College of Cornell University	93.838	210581-12	—	3,372
Westat, Inc.	93.838	6922-03-COVID-S017	820,657	1,229,161
Subtotal			1,884,416	21,805,238
Blood Diseases and Resources Research	93.839	Direct	968,555	5,702,449
Aronora Inc.	93.839	6292022	—	100,583
Cincinnati Children's Hospital Medical Center	93.839	314207	—	10,529
Cleveland Clinic Lerner College of Medicine	93.839	1364-SUB	—	22,964
Cleveland Clinic Lerner College of Medicine	93.839	1394-SUB	—	18
Kennedy Krieger Institute	93.839	4040-0001	—	98,635
Nationwide Children's Hospital	93.839	700277-0223-00	—	32
University of Maryland Baltimore	93.839	20791	—	16,227
University of Minnesota	93.839	P009464002	—	54,869
University of Pittsburgh	93.839	4UH3HL143192	—	15,881
University of Utah	93.839	10053175-02	—	(3,785)
University of Washington	93.839	UWSC11830	—	35,222
Vanderbilt University Medical Center	93.839	VUMC90787	—	76,299
Subtotal			968,555	6,129,923
Translation and Implementation Science Research for Heart, Lung, Blood Diseases, and Sleep Disorders	93.840	Direct	1,032,501	3,674,154
Medstar Research Institute	93.840	5K12HL137942-05	—	26,133
Universidad Peruana Cayetano Heredi	93.840	ANDES Study	—	92,621
University of Maryland Baltimore	93.840	20724	—	27,098
University of Michigan	93.840	SUBK00018033	—	15,268
University of Pennsylvania	93.840	580490	—	51,725
Vanderbilt University Medical Center	93.840	VUMC 92546	—	98,093
Washington University	93.840	WU-22-0474	—	2,158
Washington University	93.840	WU-23-0378	—	128,252
Subtotal			1,032,501	4,115,502
Arthritis, Musculoskeletal and Skin Diseases Research	93.846	Direct	1,491,788	12,626,712
Ann & Robert H. Lurie Children's Hospital of Chicago	93.846	901634-Johns Hopkins	—	(144)
Brigham and Women's Hospital	93.846	127127	—	2,035
Cincinnati Children's Hospital Medical Center	93.846	308702	—	11,481
Neuromuscular Dynamics	93.846	Advarra-19-00586V1.4	—	5,732
New York University	93.846	21-A0-00-1006833	—	110,847
North Carolina State University	93.846	2021-0149-01	—	11,870
Northwestern University	93.846	60057488-JHU	—	42,586
University of Alabama at Birmingham	93.846	000518393-001	—	3,695
University of California Irvine	93.846	2021-1483	—	51,765
University of Houston	93.846	R-19-0069	—	5,180
University of Michigan	93.846	SUBK00012502	—	(18,813)
University of Mississippi	93.846	SP14061-SB2	—	55,245
University of Texas Southwestern Medical Center	93.846	GMO: 210713	—	316,264
University of Washington	93.846	UWSC13160	—	14,415
Washington University	93.846	WU-21-0480	—	1,390
Subtotal			1,491,788	13,240,260
Diabetes, Digestive, and Kidney Diseases Extramural Research	93.847	Direct	3,776,549	34,328,895
AdventHealth Orlando	93.847	R01DK120322	—	4,063
Augusta University	93.847	32307-88	—	26,178
Augusta University	93.847	363350-5	—	91,656
Baylor College of Medicine	93.847	102021737	—	(7,218)
Baylor College of Medicine	93.847	7000000973	—	234,619
Baylor College of Medicine	93.847	P01DK056492	—	30,013
Boston Children's Hospital	93.847	GENFD00002178042	—	80,249
Buck Institute	93.847	SA48002-JHU	—	13,383
Carnegie Institution of Washington	93.847	5-10870-02	—	41,835
Carnegie Institution of Washington	93.847	5-10870-03	—	(13,265)
Carnegie Institution of Washington	93.847	Sub 5-10870-01	—	100,480
Celeflux, LLC	93.847	R41DK125209	—	9,685

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Children's Hospital of Philadelphia	93.847	20303863	\$ —	1,365
Children's Hospital of Philadelphia	93.847	20425450	—	28,601
Children's Hospital of Philadelphia	93.847	3301820722	—	8,933
Children's Hospital of Philadelphia	93.847	20109859-RSUB	—	3,568
CoapTech, LLC	93.847	PA-16-302	—	(195)
Columbia University	93.847	1(GG017281-01)	—	58,878
Emocha Mobile Health, Inc.	93.847	R44DK123978	—	162,459
George Washington University	93.847	17-D07	—	(168)
George Washington University	93.847	21-M113	—	18,520
Harvard Pilgrim Healthcare	93.847	PH000668D	—	4,436
Indiana University	93.847	8485-JHU	—	250,635
Indiana University School of Medicine	93.847	8427-JHU	—	146,866
Indiana University School of Medicine	93.847	8913-JHU(SUL)	—	37,017
Kennedy Krieger Institute	93.847	113360-0122-02B	—	20,757
Kennedy Krieger Institute	93.847	113360-0122-03B	—	14,578
Kennedy Krieger Institute	93.847	113360-0122-04B	—	16,168
Kitware, Inc.	93.847	K002739-00-S02	—	2,557
Massachusetts General Hospital	93.847	239459	—	136,844
Mayo Clinic	93.847	90105111	—	56,280
Medical College of Wisconsin	93.847	R21DK119989	—	(607)
Medical University of South Carolina	93.847	A00-2010-S007	—	1,986
Medical University of South Carolina	93.847	R01DK115495	—	(3,191)
New York University	93.847	22-A0-00-1008641	—	21,259
New York University Medical Center	93.847	22-A0-00-1008539	—	131,785
New York University Medical Center	93.847	22-A0-00-1008570	—	41,347
Northern California Institute for Research and Education	93.847	EST2041-01	—	30,032
Penn State University	93.847	JHUDK127384	—	131,863
Penn State University	93.847	JHUDK127384-SUP	—	51,597
Penn State University	93.847	S003411-DHHS	—	36,127
Penn State University	93.847	U01DK081283	—	(125)
Rhode Island Hospital	93.847	7137537	—	244,352
Rutgers University	93.847	277	—	22,446
Rutgers University	93.847	2671	—	160,775
Scripps Research Institute	93.847	5-54071	—	111,904
Stanford University	93.847	62493510-141099	—	281,450
Stanford University	93.847	62970186-247133	—	15,577
Temple University	93.847	265300	—	52,584
Texas A&M University	93.847	M2000698	—	13,201
Thomas Jefferson University	93.847	080-27000-S43301	—	18,018
Tufts Medical Center	93.847	5019640_SERV	—	43,516
University of California Davis	93.847	A22-0835-S003	—	108,030
University of California San Francisco	93.847	B002152839	—	5
University of Colorado Denver	93.847	2-5-B0814	—	38,264
University of Colorado Denver	93.847	FY23.232.002	—	29,518
University of Florida	93.847	SUB00003415	—	12,138
University of Illinois Chicago	93.847	17650-00	—	3,674
University of Iowa	93.847	S02049-02	—	634
University of Maryland Baltimore	93.847	20439	—	48,374
University of Maryland Baltimore	93.847	20442	—	48,964
University of Maryland Baltimore	93.847	F303345-1	—	27,217
University of Michigan	93.847	PO#: 3003480340	—	1,909
University of Michigan	93.847	SUBK00018884	—	22,917
University of Minnesota	93.847	N005115004	—	10,262
University of Minnesota	93.847	N006254901	—	(4,840)
University of Nebraska Medical Center	93.847	34-5237-2032-001	—	31,946
University of North Carolina	93.847	5127853	—	29,771
University of Pennsylvania	93.847	572695	—	3,130
University of Pennsylvania	93.847	579974	—	(10)
University of Pennsylvania	93.847	582097	—	12,408
University of Pennsylvania	93.847	582481	—	16,024
University of Pittsburgh	93.847	AWD00002987 135210-2	—	12,303
University of Pittsburgh	93.847	AWD00004275 (136529-	—	124,465
University of Pittsburgh	93.847	CNVA00060589 (136005	—	75,579
University of South Florida	93.847	6143-1172-00-A	—	44,765
University of South Florida	93.847	NA 00027956	—	283
University of Texas	93.847	UT AUS-SUB00000371	—	7,324
University of Virginia	93.847	GB10738.PO 2184135	—	84,896
University of Washington	93.847	MR 34382	—	60,637
University of Washington	93.847	RFP-KPMP-OP-21-001	—	59,439
University of Washington	93.847	UWSC11113	62,432	200,662
University of Washington	93.847	UWSC12428	—	4,152
Vanderbilt University	93.847	VUMC77919	—	380,426
Washington University	93.847	WU-23-0412	—	15,433
Yale University	93.847	CON-80002993(GR11280	—	327,758
Yale University	93.847	CON-80004253(GR11769	—	2,929
Yale University	93.847	GR104661 (CON-800014	—	27,982
Yale University	93.847	GR105192CON-80001610	—	125,383
Yale University	93.847	GR107961 (CON-800002	—	(12)
Yale University	93.847	GR110894 (CON-800026	—	146,433
Subtotal			3,838,981	39,455,740
Extramural Research Programs in the Neurosciences and Neurological Disorders	93.853	Direct	7,644,977	64,699,670
Albert Einstein College of Medicine	93.853	312266	—	12,989
Albert Einstein Medical Center	93.853	4964JHU	—	37,282
Beth Israel Deaconess Medical Center	93.853	1061832	—	20,550
Cedars-Sinai Medical Center	93.853	1935385	—	199,354
Children's Hospital of Philadelphia	93.853	GRT-00000664-PO20211	—	103,572
Cleveland Clinic Foundation	93.853	1422-SUB	23,409	73,889
Cleveland Clinic Lerner College of Medicine	93.853	CCF22538761	—	12,443
Columbia University	93.853	GG008493-1	—	23,044
Cornell University	93.853	181663	—	4,361
Dartmouth College	93.853	1U01NS111695-01	—	270,116
Fred Hutchinson Cancer Research Center	93.853	1109899	—	6,606
Harvard University	93.853	138078-5105155	—	59,438
Harvard University	93.853	138149-5122585	—	62,290
Houston Methodist Hospital and Research	93.853	AGMT00004423	—	5,259
Illinois Institute of Technology	93.853	RFA-NS-16-009	—	49
Indiana University School of Medicine	93.853	8788	—	58,539
Infinite Biomedical Technologies	93.853	1U44NS108894-01	—	1,330
Infinite Biomedical Technologies	93.853	U44NS119842	—	46,977
Kennedy Krieger Institute	93.853	213359	—	17,365
Kennedy Krieger Institute	93.853	113091-0317-01	—	19,883
Kennedy Krieger Institute	93.853	113201-0618-01	—	21,684
Kennedy Krieger Institute	93.853	113201-0622-02	—	29,914
Kennedy Krieger Institute	93.853	113258-0819-01	—	147,703
Kennedy Krieger Institute	93.853	113366-0622	—	93,698
Kennedy Krieger Institute	93.853	113436-0122-01	—	29,379
Kennedy Krieger Institute	93.853	113436-0123-01	—	106,692
Kennedy Krieger Institute	93.853	R01NS125653	—	53,575
Kennedy Krieger Institute	93.853	R01NS127280	—	8,337
Kennedy Krieger Institute	93.853	R21NS125059-01A1	—	11,300
Massachusetts General Hospital	93.853	235402	—	353,334

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Federal grantor/pass-through grantor/program or cluster title	Federal Assistance listing number	Direct award or pass-through entity identifying number	Passed through to subrecipients	Total federal expenditures
Massachusetts General Hospital	93.853	237602	\$ —	197,586
Mayo Clinic	93.853	23098022	—	622
Mayo Clinic	93.853	15086893 Malas , Ma7	—	16,217
Mayo Clinic	93.853	JHU-266816/PO #58649	—	486,029
Meso Scale Diagnostics, LLC	93.853	NU17CE924831-05-00	—	103,917
New York University	93.853	18-A0-00-1001378	—	184,417
Newcastle University	93.853	NU-002179	—	41,610
Stanford University	93.853	61865503-125439	—	23,530
Stanford University	93.853	62553690-179030	—	7,102
Stanford University	93.853	62844678-193332	—	17,227
T3D Therapeutics	93.853	R44NS127671	—	156,904
University of California Davis	93.853	A21-1324-S012	2,835	10,740
University of California Davis	93.853	A23-0625-S001	—	5,180
University of California San Diego	93.853	KR 704151	—	128,186
University of California San Francisco	93.853	11618sc	—	7
University of California San Francisco	93.853	12852sc	—	25,972
University of Chicago	93.853	AWD066214-02-PR	—	597,642
University of Chicago	93.853	FP066261-A	—	136,925
University of Chicago	93.853	FP066261-B	1,134	47,172
University of Chicago	93.853	FP068364-01	—	133,901
University of Cincinnati	93.853	012044-139650	—	(2,679)
University of Cincinnati	93.853	013723-00002	—	32,171
University of Colorado Boulder	93.853	1555531	—	67,357
University of Connecticut	93.853	UCHC7-167979791	—	19,701
University of Florida	93.853	SUB00002636	—	19,920
University of Florida	93.853	SUB00003165	—	81,994
University of Florida	93.853	SUB00003347	—	32,617
University of Iowa	93.853	S02840-01	—	11,645
University of Maryland Baltimore	93.853	20446	—	40,194
University of Maryland Baltimore	93.853	1902930	—	143,414
University of Maryland Baltimore	93.853	18952 Req:1475	—	150,583
University of Maryland Baltimore	93.853	20858 Request:2953	—	95,868
University of Maryland Baltimore	93.853	3000039 Request:3068	—	53,683
University of Maryland Baltimore	93.853	Request: 0947	—	56,828
University of Minnesota	93.853	N004631402	—	(1,015)
University of Minnesota	93.853	N009072002	—	69,635
University of Minnesota	93.853	N009539502	—	44,362
University of North Carolina	93.853	5126106	—	125,261
University of Oregon	93.853	217760B	—	63,829
University of Pennsylvania	93.853	575284	—	26,536
University of Pennsylvania	93.853	579139	—	47,577
University of Pennsylvania	93.853	585719	—	18,492
University of Pittsburgh	93.853	AWD0001238 (133676-1	—	12,956
University of Pittsburgh Medical Center	93.853	AWD00006410 (138833-	—	68,068
University of Rochester	93.853	417480/URFAOGR510879	—	23,150
University of Southern California	93.853	142419754	—	11,729
University of Southern California	93.853	SCON-00003079	—	112,438
University of Utah	93.853	10050533-13	—	8,294
University of Washington	93.853	11509	—	26,801
University of Wyoming	93.853	1005685-JHU	—	157,260
Vasoptic Medical, Inc	93.853	1R44NS124442-01	—	52,745
Vigilant Medical, Inc.	93.853	PA-17-302	—	(1)
Washington University	93.853	WU-23-0086	—	102,027
Subtotal			7,672,355	70,684,948
Allergy and Infectious Diseases Research	93.855	Direct	46,740,045	127,503,725
Allergy and Infectious Diseases Research: COVID-19	93.855	Direct	1,000,614	6,425,234
American Foundation for AIDS Research	93.855	110246-70-ISTA	—	154,904
American Gastroenterological Association	93.855	R24AI118629	—	(26)
Benaroya Research Institute at VA Mason	93.855	FY19ITN274	—	45,298
Benaroya Research Institute at VA Mason	93.855	FY21ITN422	—	282,971
Benaroya Research Institute at VA Mason	93.855	FY21ITN500	—	6,418
Benaroya Research Institute at VA Mason	93.855	FY21ITN514	—	5,270,229
Benaroya Research Institute at VA Mason	93.855	FY22ITN544	—	9,425
Benaroya Research Institute at VA Mason	93.855	FY22ITN574	—	13,653
Benaroya Research Institute at VA Mason: COVID-19	93.855	FY21ITN444	—	10,586
Beth Israel Deaconess Medical Center	93.855	1060810	—	(52,668)
Beth Israel Deaconess Medical Center	93.855	1063720	—	307,631
Boston Children's Hospital	93.855	GENFD0002050159	—	2,238
Boston College	93.855	5111051-1	—	91,135
Boston University	93.855	4500003133	—	15,286
Boston University	93.855	4500008477	—	13,442
Brigham and Women's Hospital	93.855	125413	—	90,682
Brigham and Women's Hospital	93.855	127566	—	83,834
Brigham and Women's Hospital	93.855	A5332-Reprieve	—	39,536
Caucaseco Scientific Research Center	93.855	U01AI155363	—	98,038
Centre for the AIDS Programme of Research in South Africa	93.855	R01AI152142	—	2,473
Columbia University	93.855	1(GG015928-03)	—	659,418
Columbia University	93.855	2(GG017920-03)	—	258,620
Columbia University	93.855	5(GG017950-02)	—	150,069
Duke Clinical Research Institute	93.855	1297174	—	12,712
Duke University	93.855	303000854	—	315,338
Duke University	93.855	A031628	—	25,130
Duke University	93.855	A032996	—	32,717
Duke University	93.855	A03-5344	—	139,619
Duke University	93.855	A03-5480	—	57,586
Duke University	93.855	WBSE-A034260, SPS-26	—	2,266
Duke University Medical School	93.855	303000163	—	94,018
Duke University Medical School	93.855	303001821	—	33,387
Eastern Virginia Medical School	93.855	S121261-2	—	17,343
Emory University	93.855	A046257	—	32,542
Emory University	93.855	A263425	—	30,705
Emory University	93.855	A538869	—	14,040
Emory University	93.855	A764537	—	2,205
FHI 360	93.855	22003322	—	33,799
FHI 360	93.855	PO17001873	—	55,527
FHI 360	93.855	PO18001928	612,310	657,804
FHI 360	93.855	PO18001929	698,473	726,528
FHI 360	93.855	PO18001954	499,786	581,645
FHI 360	93.855	PO19002393	33,070	33,070
FHI 360	93.855	PO20000546	—	7,246
FHI 360	93.855	PO20000762	—	6,316
FHI 360	93.855	PO20002149	—	3,679
FHI 360	93.855	PO20002340	—	5,746
FHI 360	93.855	PO20002508	15,000	15,000
FHI 360	93.855	PO20002910	—	35,441
FHI 360	93.855	PO21000534	—	50,851
FHI 360	93.855	PO21002251	1,566,417	1,489,759
FHI 360	93.855	PO22003323	—	137,939
Fred Hutchinson Cancer Research Center	93.855	225514	—	(380)
General Nanotherapeutics, LLC	93.855	PD 172794	—	477
George Washington University	93.855	21-M96	—	125,502

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Gladstone Institutes	93.855	SC-00015	\$ —	66,838
Global Alliance for TB Drug	93.855	21218	—	294,045
Harvard T.H. Chan School of Public Health	93.855	117273-5115060	—	28,223
Henry M. Jackson Foundation	93.855	4239	—	(19,936)
HMH Hospitals Corporation	93.855	19023	—	260,753
ICAHN School of Medicine at Mount Sinai	93.855	0255-B891-4609	—	17,908
ICAHN School of Medicine at Mount Sinai	93.855	0255-C164-4609	—	18,624
ICAHN School of Medicine at Mount Sinai	93.855	0255-G314-4609	—	28,475
ICAHN School of Medicine at Mount Sinai	93.855	0255-G314-4609(Clini	—	10,505
ICAHN School of Medicine at Mount Sinai	93.855	0255-H271-4609	—	11,096
Infinite Biomedical Technologies	93.855	1R01AI146177-01A1	—	347,267
Infinite Biomedical Technologies	93.855	2R01AI111205-06	—	194,557
Infinite Biomedical Technologies	93.855	AI155309	—	98,024
Kaiser Foundation Research Institute	93.855	OOS030104-JHU	—	62,539
La Jolla Institute for Allergy and Immunization	93.855	27318-04-167-384	—	(1,284)
Magee-Womens Hospital	93.855	9752	—	431,935
Magee-Womens Hospital	93.855	9461/9524/9589/9655	—	(2,016)
Massachusetts General Hospital	93.855	236681	—	125,307
Massachusetts General Hospital	93.855	237578	—	41,029
Massachusetts General Hospital	93.855	5U01HL123336	—	19,509
Montana State University	93.855	G384-21-W9134	—	3,444
Northwestern University	93.855	60040625 JHU	—	9,805
Northwestern University	93.855	60049228 JHU	—	238,442
Northwestern University	93.855	60054199 JHU	—	209,144
Oregon Health Sciences University	93.855	1017490 JHU	—	38,254
Ossium Health, Inc.	93.855	1R43AI155196	—	43,845
Pearl Diagnostics, Inc.	93.855	R44AI157572	—	29,312
Penn State University	93.855	5673-JHU-DHHS-4384	—	284,092
Penn State University	93.855	5777-JHU-DHHS-6664	—	28,138
Penn State University	93.855	JHUIAI162815	—	43,131
Prompt Diagnostics	93.855	R43AI170336-SUB	—	2,144
Rutgers University	93.855	395	—	70,163
Rutgers University	93.855	2094	—	113,103
Rutgers University	93.855	SUB00002607	—	23,706
Sanaria, Inc.	93.855	C13842T	—	359,270
Scanogen, Inc.	93.855	PA-18-574 (R43/R44 S	—	42,779
Scanogen, Inc.	93.855	RFA AI 22 010	—	9,065
Scripps Research Institute	93.855	5-54435	—	8,460
Sylvatica Biotech, Inc.	93.855	5R44AI145782	—	77,459
Tulane University	93.855	TUL-HSC-560362-22/23	—	73,193
University of Alabama at Birmingham	93.855	000397076-008	—	(988)
University of Alabama at Birmingham	93.855	000529618-SC001	—	171,718
University of Alabama at Birmingham	93.855	R24AI067039	—	45,128
University of Bamako	93.855	USTTB-JHU/1D43TW0118	—	58,409
University of California Los Angeles	93.855	1560 G LA430	—	18,902
University of California Los Angeles	93.855	1560 G LA754	—	14,441
University of California Los Angeles	93.855	1560 G WB058	—	4,536
University of California Los Angeles	93.855	1560 G YB315	—	5,103
University of California Los Angeles	93.855	1560 G YB690	—	1,898
University of California Los Angeles	93.855	1560 G YB700	—	20,096
University of California Los Angeles	93.855	1560 G YB947	—	15,599
University of California Los Angeles	93.855	1560 G ZA796	—	15,745
University of California Los Angeles	93.855	1560 G ZB479	—	16,899
University of California Los Angeles	93.855	1560 G ZB546	—	17,622
University of California Los Angeles	93.855	1560 G ZB547	—	26,219
University of California Los Angeles	93.855	1650 G YA501	—	175,613
University of California Los Angeles	93.855	2UM1AI068636-15	—	344,653
University of California Riverside	93.855	S-001014	—	62,786
University of California San Diego	93.855	KR 704640	—	11,322
University of California San Francisco	93.855	11155sc	—	128,752
University of California San Francisco	93.855	12348SC	—	187,335
University of California San Francisco	93.855	12361sc	—	128,663
University of California San Francisco	93.855	12934sc	—	146,221
University of California San Francisco	93.855	13177SC	—	109,797
University of California San Francisco	93.855	13451sc	—	150,765
University of California San Francisco	93.855	13813sc	—	14,401
University of California San Francisco	93.855	9253SC	—	55,896
University of Colorado Denver	93.855	FY17.820.001	—	110,830
University of Colorado Denver	93.855	FY180784.008	—	164,850
University of Georgia	93.855	SUB00002933	—	99,037
University of Illinois Urbana Champaign	93.855	095614-17652	—	11,335
University of Maryland Baltimore	93.855	1700990	—	(80,663)
University of Maryland Baltimore	93.855	20629 Request: 2379	—	47,701
University of Maryland Baltimore	93.855	F208759-05	—	2,693
University of Maryland Baltimore	93.855	F305431-1	—	518,013
University of Maryland Baltimore	93.855	F305431-2	—	45,149
University of Miami	93.855	SPC-000982	—	69,965
University of Michigan	93.855	SUBK0009924	—	103,690
University of Nevada, Reno	93.855	UNR-22-113	—	17,477
University of New Mexico	93.855	3RPF5	—	7,362
University of North Carolina	93.855	5120656	—	140,391
University of North Carolina	93.855	5124969	—	148,149
University of Oklahoma	93.855	2021-47	—	48,748
University of Pennsylvania	93.855	574360	—	287,103
University of Pennsylvania	93.855	Subaward No. 579309	—	18,257
University of South Florida	93.855	6119-1510-00-B	—	76,560
University of South Florida	93.855	6408-1139-02-A	—	112,111
University of South Florida	93.855	UFDSP00011532-	—	19,898
University of the Witwatersrand, Johannesburg	93.855	R01AI129708	—	79,372
University of Utah	93.855	10047781-01-JHU	—	121,142
University of Vermont	93.855	33109SUB52705	—	22,763
University of Virginia	93.855	AWD-004415-GR101367	—	11,486
University of Virginia	93.855	GB10531.2125596	—	16,759
University of Virginia	93.855	GB10870	—	79,648
University of Washington	93.855	UWSC12497	—	321,538
University of Washington	93.855	UWSC12533	—	36,858
University of Wisconsin-Madison	93.855	1724	—	41,183
University of Wisconsin-Madison	93.855	2105	—	271,289
Vanderbilt University	93.855	VUMC 85007	—	10,830
Vanderbilt University Medical Center	93.855	VUMC58446	—	47,196
Virginia Polytechnic Institute and State University	93.855	431892-19446	—	290
Washington University	93.855	WU-22-0049-MOD-1	—	53,806
Washington University	93.855	WU-23-0477	—	12,758
Weill Medical College of Cornell University	93.855	214521-5	—	9,446
Wistar Institute	93.855	25900-22-324	—	16,207
Wistar Institute	93.855	25900-52-324	—	248,447
Yale University	93.855	CON-80002964(GR11258	—	321,515
Yale University	93.855	CON-80003526	—	54,864
Yale University	93.855	GR104014CON-80001369	—	91,377
Yale University	93.855	GR105301(CON-8000166	—	38,794
Yale University	93.855	GR107888 CON-800020	—	127,373
Subtotal			51,165,715	155,949,183

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Federal grantor/pass-through grantor/program or cluster title	Federal Assistance listing number	Direct award or pass-through entity identifying number	Passed through to subrecipients	Total federal expenditures
Biomedical Research and Research Training	93.859	Direct	\$ 733,315	50,194,654
Dana-Farber Cancer Institute	93.859	1317801	—	11,598
EpiCypher, Inc	93.859	R44GM148145-JHU	—	40,704
Fort Belknap Indian Community	93.859	S06GM142116	—	207,035
San Diego State University	93.859	D7958-04 SA905 A1 5A	—	42,560
Sanford Burnham Prebys Medical Discovery Institute	93.859	60733-13141-JHU	—	156,738
Stanford University	93.859	62731103-107757	—	117,428
Towson University	93.859	5040824-JHU	—	2,986
Tulane University	93.859	TUL-SCC-560858-22/23	—	21,277
University of California Berkeley	93.859	10709	—	396,045
University of Georgia	93.859	SUB00002419	—	42,118
University of Illinois Urbana Champaign	93.859	092912-17175	—	26,019
University of Illinois Urbana Champaign	93.859	106294-18749	—	46,168
University of Maryland Baltimore	93.859	F303631-1	—	80,336
University of Pittsburgh	93.859	AWD00002116 (134194-	—	324
University of Rochester	93.859	Subaward #417831G	—	105,958
University of Vermont	93.859	32648SUB00000373	—	26,818
Vanderbilt University	93.859	UNIV61290	—	215,835
White Mountain Apache Tribe	93.859	90105530	—	7,112
White Mountain Apache Tribe	93.859	NARCH IX- Developing	—	19,737
White Mountain Apache Tribe	93.859	NARCH IX- My Health	—	16,411
White Mountain Apache Tribe	93.859	NARCH IX-Adm. Core	—	1,374
White Mountain Apache Tribe	93.859	NARCH IX-Student &Fa	—	246
White Mountain Apache Tribe	93.859	NARCH X – Adm. Core	—	13,499
White Mountain Apache Tribe	93.859	NARCH X – Student	—	38,924
White Mountain Apache Tribe	93.859	NARCH X – Trauma	—	74,094
Subtotal			733,315	51,905,998
Olive View-UCLA Education & Research Institute: Emerging Infections Sentinel Networks	93.860	#20-43	—	8,000
Olive View-UCLA Education & Research Institute: COVID-19	93.860	#22-19	—	4,475
University of California Los Angeles	93.860	1535 G LA050	—	7,664
Subtotal			—	20,139
Child Health and Human Development Extramural Research	93.865	Direct	2,427,147	19,675,569
Brigham and Women's Hospital	93.865	127456	—	52,624
Brigham and Women's Hospital	93.865	127479	—	31,581
Brown University	93.865	1773	10,697	26,265
Brown University	93.865	2137	—	5,662
Case Western Reserve University	93.865	RES514553	—	36,984
Children's Hospital of Philadelphia	93.865	3201960821-S1	—	6,631
Children's Research Institute	93.865	30004438-15	—	8,083
Children's Research Institute	93.865	30004942-06	—	6,582
Cincinnati Children's Hospital Medical Center	93.865	OS00000280 / 400188	—	22,312
Columbia University	93.865	2 GG012817-01	—	155,332
Cornell University	93.865	190641-02	—	(145)
Florida State University	93.865	R000003165	—	4,668
Gilead Sciences, Inc.	93.865	CO-US-540-5961	545,390	553,182
Harvard Pilgrim Healthcare	93.865	R01HD110107/PH882	—	30,866
Kaiser Foundation Research Institute	93.865	RNG209743-JHU-01	—	39,336
Kaiser Foundation Research Institute	93.865	RNG210887-JHU-02	—	2,263
Kennedy Krieger Institute	93.865	9000094	—	70,962
Kennedy Krieger Institute	93.865	110168-0219-01	—	19,653
Kennedy Krieger Institute	93.865	113225-0119-01	—	24,993
Kennedy Krieger Institute	93.865	113315-0620-01	—	79,078
Kennedy Krieger Institute	93.865	113369-0621-11B	—	21,019
Kennedy Krieger Institute	93.865	113369-0621-12B	—	37,955
Kennedy Krieger Institute	93.865	113369-0622-13B	—	151,796
Kennedy Krieger Institute	93.865	1P50HD103538-01	—	131,706
Medstar Research Institute	93.865	5003059168	—	9,086
Michigan State University	93.865	RC109609JHU	—	17,041
Michigan State University	93.865	RC113085A	—	36,796
Michigan State University	93.865	RC114876JHU	—	100,419
Missouri University of Science and Technology	93.865	C00079352-2	—	134,999
National Disease Research Interchange	93.865	Subaward No. 141145	—	176,002
Nationwide Children's Hospital	93.865	700196-0420-00	—	1,275
New York University	93.865	17-A0-00-006461-01	—	182,799
Northwestern University	93.865	60047828 JHU	—	21,827
Ohio State University	93.865	Subaward no. 6007737	—	42,833
Seattle Children's Research Institute	93.865	5508-NAP	—	2,142
Tulane University School of Public Health and Tropical Medicine	93.865	TUL-HSC-557072-19/20	—	24,787
University of Alabama at Birmingham	93.865	000523794-SC009	—	16,414
University of California Irvine	93.865	2021-1547	—	23,213
University of Chicago	93.865	AWD 101148 (SUB000000	—	111,520
University of Colorado Denver	93.865	FY22.1137.004	—	38,656
University of Maryland Baltimore	93.865	21055	—	99,221
University of Miami	93.865	OS00000840	—	15,994
University of Miami	93.865	OS00000841	—	72,025
University of Miami School of Medicine	93.865	SPC-002225	—	265,311
University of Minnesota	93.865	N008455402	—	28,955
University of Minnesota	93.865	P006580001	—	62,816
University of North Carolina	93.865	5109088	—	7,387
University of North Carolina	93.865	5116604	—	64
University of North Carolina	93.865	5119259	—	7,103
University of North Carolina	93.865	5120001	34,270	40,770
University of North Carolina	93.865	5122393	—	10,000
University of Pennsylvania	93.865	572724	—	54,784
University of Pennsylvania	93.865	579365	10,642	26,889
University of Pennsylvania	93.865	582884	—	29,349
University of Pennsylvania	93.865	585033	52,269	315,352
University of Texas at Austin	93.865	UTA12-000835	—	55,017
University of Texas at Austin	93.865	UTA17-000887	—	22,570
Weill Medical College of Cornell University	93.865	226708	—	12,968
Weill Medical College of Cornell University	93.865	215518-1	—	21,020
Westat, Inc.	93.865	1UM2HD111076-01-SA01	—	196,850
Yale University	93.865	CON-80003407 GR11511	—	67,554
Yale University	93.865	GR110444	—	35,457
Yale University	93.865	GR110559 CON-800026	—	92,507
Yale University	93.865	GR111910 (CON-800028	—	10,510
Subtotal			3,080,415	23,685,239
Aging Research	93.866	Direct	25,852,368	95,848,920
Agenebio	93.866	JHU-R44AG063607	—	40,842
American Federation for Aging Research	93.866	U24AG065204	—	34,299
American Geriatrics Society	93.866	2R13AG054139-06	—	6,753
American Medical Group Association	93.866	1970	—	3,147
Beth Israel Deaconess Medical Center	93.866	1062185	—	43,093
Brigham and Women's Hospital	93.866	119837	—	39,099
Brigham and Women's Hospital	93.866	239497	—	169,808
Brown University	93.866	1472	—	11,327
Brown University	93.866	1783	10,098	10,099
Brown University	93.866	2139	—	17,880
Brown University	93.866	Subaward 00001807	—	81,660

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COG Analytics, LLC	93.866	11209-2	\$ —	710
Colorado State University	93.866	G-785535-01	—	86,246
Columbia University	93.866	1(GG015129-01)	—	19,567
Columbia University	93.866	10(GG015822-03)	—	43,302
Columbia University	93.866	2(GG013391-01)	—	(8,084)
Columbia University	93.866	2(GG014803-01)	—	23,198
Columbia University	93.866	3(GG015822-01)	—	371,414
Columbia University	93.866	4(GG015353-01)	—	100,062
Columbia University	93.866	6(GG013457-01)	—	11,521
Columbia University	93.866	9(GG013385-19)	—	25,704
Cornell University	93.866	214795	—	6,853
Cornell University	93.866	222852	—	21,586
Cornell University	93.866	16060870	—	578
Drexel University	93.866	900017	—	29,560
Drexel University Dornsife School of Public Health	93.866	MESA Neighborhoods	—	56,635
Duke University	93.866	A032646	—	62,577
Duke University	93.866	A032814	—	66,163
Duke University	93.866	A034529	—	27,651
Emory University	93.866	A791120	—	15,894
Fox Chase Chemical Diversity Center, Inc	93.866	97-U01AG068823-JH	—	168,769
George Washington University	93.866	20-M131	—	(14,286)
George Washington University	93.866	S-DPA2223-JC18	—	168,287
Hampton University	93.866	HU-230009	—	7,605
Harvard Medical School	93.866	MESA Sleep	—	167,534
Harvard T.H. Chan School of Public Health	93.866	111356-5124907	—	23,606
Harvard University	93.866	92354	—	7,902
Healthy Design Limited Company	93.866	R42AG059451	—	(1,402)
Hebrew Rehabilitation Center for the Aged, Inc.	93.866	90108	—	77,242
ICAHN School of Medicine at Mount Sinai	93.866	0254-4608-4609	—	15,485
ICAHN School of Medicine at Mount Sinai	93.866	0255-B851-4609	—	17,733
Indiana University	93.866	9497	—	31,567
Indiana University	93.866	7856_JHU	—	99,512
Indiana University	93.866	9049_JHU	—	55,180
Kaiser Foundation Research Institute	93.866	R33AG057289-03	16,713	135,982
Kaiser Foundation Research Institute	93.866	RNG211289-JHU-01	—	144,547
Kennedy Krieger Institute	93.866	113364-0223-02B	—	308,473
Kennedy Krieger Institute	93.866	113581-1123	—	7,684
Magee-Womens Research Institute and Foundation	93.866	6595	—	29,560
Massachusetts General Hospital	93.866	234538	—	67,079
Massachusetts General Hospital	93.866	235290	—	32,785
Massachusetts General Hospital	93.866	238631	—	81,486
Mayo Clinic	93.866	HOP-263134	—	61,121
Mayo Clinic	93.866	JHU-263134	29,930	75,116
Mayo Clinic	93.866	JOH-250202/PO #66468	—	61,160
Mayo Clinic	93.866	JOH-263134	—	152,819
Mount Sinai Medical Center	93.866	0254-4626-4609	—	81,105
New York University	93.866	22-A0-00-1008755	—	73,302
Northern California Institute for Research and Education	93.866	SHL2120-03	—	55,222
Northern California Institute for Research and Education	93.866	STE2196-01	—	155,631
Northern California Institute for Research and Education	93.866	STE2196-19	—	70,938
Northwestern University	93.866	60044416JHU	—	19,871
Northwestern University	93.866	MESA Stress	—	81,732
Penn State University	93.866	575698	—	(849)
Pennington Biomedical Research Center	93.866	AG069476-JH01	—	39,004
Rush University Medical Center	93.866	17091805-Sub02	—	51,583
University of Arizona	93.866	625628	—	456,587
University of Arizona	93.866	632997	11,300	516,246
University of Arizona	93.866	Subaward No. 637159	—	721,151
University of Buffalo	93.866	R1222309	—	256,395
University of Buffalo	93.866	R1347787	—	13,985
University of California Berkeley	93.866	11045	—	28,411
University of California Los Angeles	93.866	1440 G WB118	—	(5,848)
University of California San Francisco	93.866	10065sc	—	62,791
University of California San Francisco	93.866	10851sc	—	60,206
University of California San Francisco	93.866	11244sc	—	75,749
University of Colorado	93.866	FY22.1105.003	—	60,709
University of Connecticut	93.866	419315	—	64,005
University of Florida	93.866	SUB00002113	—	118,806
University of Florida	93.866	SUB00003370	—	179,128
University of Maryland Baltimore	93.866	20903	—	36,522
University of Maryland Baltimore	93.866	20859 Request:3055	—	92,184
University of Maryland College Park	93.866	65513-Z0159201	—	3,603
University of Michigan	93.866	SUBK00009460	—	46,420
University of Michigan	93.866	SUBK00011958	—	55,464
University of Michigan	93.866	SUBK00012778	—	102,170
University of Michigan	93.866	SUBK00013428	—	126,322
University of Minnesota	93.866	P008207802	—	4,982
University of Minnesota	93.866	P008441957	—	14,442
University of Minnesota	93.866	P009273457	—	53,760
University of Nevada Las Vegas	93.866	GR14214	—	17,380
University of North Texas	93.866	RF00108-2018-0160	—	73,657
University of Pennsylvania	93.866	586050	—	340,683
University of Pittsburgh	93.866	061578(128001-1)	—	220,693
University of Pittsburgh	93.866	AWD00001055 (134265-	—	44,594
University of Pittsburgh	93.866	AWD00002130 (136614-	—	117,175
University of Rochester	93.866	SUB00000042	—	65,677
University of Southern California	93.866	79634876	3,394	5,884
University of Southern California	93.866	105708311	—	100,208
University of Southern California	93.866	120109218	—	17,966
University of Southern California	93.866	120698547	—	(1,323)
University of Southern California	93.866	129131029	—	203
University of Southern California	93.866	129201515	—	68
University of Southern California	93.866	137874608	—	188,519
University of Southern California	93.866	142677043	—	83,092
University of Southern California	93.866	CTA – #124181181	—	64,733
University of Southern California	93.866	Infra. 125682412	—	58,646
University of Southern California	93.866	SCON-00003460	—	156,106
University of Texas Health Science Center at Houston	93.866	168645/168644	—	596,772
University of Texas Health Science Center at Houston	93.866	SA0002298	—	11,648
University of Texas Health Science Center at Houston	93.866	SA0002694	—	354,441
University of Vermont	93.866	32667SUB52512	—	27,981
University of Washington	93.866	UWSC10158	—	69,947
University of Washington	93.866	UWSC7723	—	33,618
University of Wisconsin-Madison	93.866	687	—	115,642
University of Wisconsin-Madison	93.866	1189	—	28,857
University of Wisconsin-Madison	93.866	1236	—	69,013
Wake Forest University	93.866	1037-45117-110000002	—	218,256
Wake Forest University	93.866	107-101720-551083	—	319,407
Wake Forest University	93.866	1099-32841-110000002	—	139,173
Wake Forest University	93.866	1480-32041-110000011	—	55,020
Wake Forest University	93.866	1581-32041-110000012	—	419
Wake Forest University	93.866	MESA Glucose	—	61,700

THE JOHNS HOPKINS UNIVERSITY

Schedule of Expenditures of Federal Awards

Year ended June 30, 2023

Federal grantor/pass-through grantor/program or cluster title	Federal Assistance listing number	Direct award or pass-through entity identifying number	Passed through to subrecipients	Total federal expenditures
Wake Forest University Health Services	93.866	106-55811085033664-1	\$ —	19,672
Wistar Institute	93.866	sub 25601-03-381	—	37,521
Subtotal			25,923,803	106,735,387
Vision Research	93.867	Direct	2,369,242	25,463,260
Advanced Medical Electronics Corporation	93.867	AME22-EnhancedImagin	—	30,176
Aerpio Pharmaceuticals	93.867	ARP-1536	—	28
Aptitude Medical Systems, Inc.	93.867	AMS072022-1	—	58,076
Aptitude Medical Systems, Inc.	93.867	AMS072022-2	—	85,519
Aptitude Medical Systems, Inc.	93.867	AMS102019-1	—	(10,115)
Aptitude Medical Systems, Inc.	93.867	AMS102021-1	—	1,923
Cleveland Clinic Foundation	93.867	1432SUB	—	58,729
Cleveland Clinic Lerner College of Medicine	93.867	CCF21204309	—	34,023
Injectsense	93.867	1006	—	49,198
Jaeb Center for Health Research, Inc.	93.867	1498	—	17,977
Jaeb Center for Health Research, Inc.	93.867	1971	—	48,378
Jaeb Center for Health Research, Inc.	93.867	U10EY11751	—	147,894
Jaeb Center for Health Research, Inc.	93.867	UG1EY014231 JAEB	—	56,329
Minnesota Health Solutions	93.867	MHS19-ObjectFinder2-	—	7,000
New York University Medical Center	93.867	U01EY026829-01	—	16,924
ONL Therapeutics	93.867	PO # 2018-0002	—	16,243
REBISCAN, Inc.	93.867	R41EY030382	—	21,936
Stanford University	93.867	62015719-136077	—	242,254
University of California Irvine	93.867	2019-3697	—	(2,058)
University of California San Diego	93.867	75885256	—	(359)
University of California San Diego	93.867	KR 704547	—	10,323
University of Colorado Denver	93.867	FY20.1031.001	—	(2,869)
University of Colorado Denver	93.867	FY23.1031.004	—	154,181
University of Maryland Baltimore	93.867	3002716	—	221,255
University of Maryland Baltimore	93.867	1701168 548	—	5,955
University of Maryland Baltimore	93.867	20737 Request:2614	—	35,160
University of Maryland Baltimore County	93.867	HHS00090-02	—	93,404
University of Maryland College Park	93.867	95605-Z0359201	—	246,939
University of Minnesota	93.867	P007567901	—	84,787
University of Notre Dame	93.867	204676JHB	—	96,211
University of Notre Dame	93.867	204676JHQ	—	9,841
University of Pennsylvania	93.867	570490	—	535
University of Pennsylvania	93.867	583307	—	19,390
University of Pittsburgh	93.867	AWD00002935 (136658-	—	33,531
University of Pittsburgh Medical Center	93.867	AWD00003835	—	348,456
University of Texas at Dallas	93.867	1806464	—	114,083
University of Washington	93.867	UWSC10167	—	19,779
University of Wisconsin-Madison	93.867	1133	—	62,429
Virginia Commonwealth University	93.867	FP00006729 SA001	—	26
Subtotal			2,369,242	27,896,751
Maternal, Infant and Early Childhood Home Visiting Grant	93.870	Direct	359,476	1,440,165
State of New Jersey	93.870	22VMZP	—	60,653
State of New Jersey	93.870	23KMZP	—	98,250
State of New Jersey	93.870	23VMZP	—	525,335
Subtotal			359,476	2,124,403
University of Colorado Denver: Tribal Maternal, Infant, and Early Childhood Home Visiting	93.872	FY21.494.001/2-5-A97	—	5,655
Medical Library Assistance	93.879	Direct	78,157	410,197
Harvard T.H. Chan School of Public Health	93.879	117362-5119921	—	29,792
Subtotal			78,157	439,989
University of Minnesota: Rural Health Care Services Outreach, Rural Health Network Development and Small Health Care Provider Quality Improvement	93.912	D008948402	—	27,414
University of Minnesota	93.912	D009882201	—	17,549
Subtotal			—	44,963
Associated Black Charities-Maryland: HIV Emergency Relief Project Grants	93.914	19-2438-019	—	(340)
Associated Black Charities-Maryland	93.914	19-2438-01A	—	(2,636)
Associated Black Charities-Maryland	93.914	20-2438-002	—	(6,590)
Associated Black Charities-Maryland	93.914	20-2438-019	—	(4,029)
Associated Black Charities-Maryland	93.914	21-2438-002	—	2,459
Associated Black Charities-Maryland	93.914	21-2438-019	—	(193)
Associated Black Charities-Maryland	93.914	21-2438-01A	—	(1,395)
Associated Black Charities-Maryland	93.914	21-2438-03F	—	(23)
Associated Black Charities-Maryland	93.914	21-2481-N01	—	(51)
Associated Black Charities-Maryland	93.914	21-2483-MC2	—	2,579
Baltimore City Health Department	93.914	BCHD811	—	102,106
Baltimore City Health Department	93.914	Pre-award – 90099637	—	332,114
Baltimore City Health Department	93.914	23-2483-90103427	—	174,568
Connections Thru Life, Inc.	93.914	23-2483-90103927	—	51,947
Connections Thru Life, Inc.	93.914	23-2483-90103929	—	8,917
Connections Thru Life, Inc.	93.914	23-2483-90103930	—	46,140
Connections Thru Life, Inc.	93.914	23-2483-90103931	—	9,737
Connections Thru Life, Inc.	93.914	90104007	—	11,986
Connections Thru Life, Inc.	93.914	90104789	—	61,040
Connections Thru Life, Inc.	93.914	90104827	—	35,650
Connections Thru Life, Inc.	93.914	22-2435-01A	—	48,119
Connections Thru Life, Inc.	93.914	22-2438-002	—	547,547
Connections Thru Life, Inc.	93.914	22-2438-007	—	48,041
Connections Thru Life, Inc.	93.914	22-2438-016	—	77,220
Connections Thru Life, Inc.	93.914	22-2438-019	—	31,123
Connections Thru Life, Inc.	93.914	22-2438-01A	—	873,769
Connections Thru Life, Inc.	93.914	22-2438-01E	—	96,598
Connections Thru Life, Inc.	93.914	22-2438-03F	—	42,529
Connections Thru Life, Inc.	93.914	22-2438-080	—	20,554
Connections Thru Life, Inc.	93.914	22-2481-01A	—	120,220
Connections Thru Life, Inc.	93.914	22-2481-EFA	—	45,290
Connections Thru Life, Inc.	93.914	22-2481-HERR	—	51,368
Connections Thru Life, Inc.	93.914	22-2481-MAI MCM	—	111,519
Connections Thru Life, Inc.	93.914	22-2481-N01	—	91,617
Connections Thru Life, Inc.	93.914	22-2483	—	103,481
Connections Thru Life, Inc.	93.914	H89HA00017-31-01	—	317,672
Connections Thru Life, Inc.	93.914	Pre-Award RW Comp Ca	—	16,515
Connections Thru Life, Inc.	93.914	Pre-Award: 90104090	—	5,524
Connections Thru Life, Inc.	93.914	Pre-Award: 90104123	—	114,444
Connections Thru Life, Inc.	93.914	Pre-Award: 90104146	—	16,432
Connections Thru Life, Inc.	93.914	Pre-Award: 90104147	—	20,460
Connections Thru Life, Inc.	93.914	Pre-Award: 90104148	—	255,045
Connections Thru Life, Inc.	93.914	Pre-Award: 90104149	—	12,084
Connections Thru Life, Inc.	93.914	Pre-Award: 90104150	—	23,867
Connections Thru Life, Inc.	93.914	Pre-Award: 90104151	—	11,862
Subtotal			—	3,926,886

THE JOHNS HOPKINS UNIVERSITY

Schedule of Expenditures of Federal Awards

Year ended June 30, 2023

Federal grantor/pass-through grantor/program or cluster title	Federal Assistance listing number	Direct award or pass-through entity identifying number	Passed through to subrecipients	Total federal expenditures
Maryland Department of Health: HIV Care Formula Grants	93.917	PHPA-1173	\$ —	53,596
Maryland Department of Health	93.917	PHPA-1595G-Opt#2	—	303,957
Maryland Department of Health	93.917	PHPA-G1595	—	11,380
Subtotal			—	368,933
Grants to Provide Outpatient Early Intervention Services with Respect to HIV Disease	93.918	Direct	—	344,131
Baltimore City Health Department: HIV Prevention Activities Health Department Based	93.940	40028	—	(276)
Baltimore City Health Department	93.940	40216	—	(2,395)
Baltimore City Health Department	93.940	40609	—	40,352
Baltimore City Health Department	93.940	40610	—	34,038
Baltimore City Health Department	93.940	40661	—	15,099
Baltimore City Health Department	93.940	90101394	—	130,774
Baltimore City Health Department	93.940	5NU62PS924555-05-00	—	122,807
Baltimore City Health Department	93.940	BCHD724	—	282,111
Baltimore City Health Department	93.940	BCHD726	—	282,381
Baltimore City Health Department	93.940	BCHD829	—	82,283
Baltimore City Health Department	93.940	CO #40451	—	10,000
Baltimore City Health Department	93.940	PS18-1802	—	367,648
Subtotal			—	1,364,822
HIV Demonstration, Research, Public and Professional Education Projects	93.941	Direct	—	486,863
University of Utah	93.942	10049023-04	—	(136)
Maryland Department of Health: Block Grants for Prevention and Treatment of Substance Abuse	93.959	PHPA-1734	38,020	528,805
Maryland Department of Health	93.959	PHPA-1734 (BPM026)	—	(19,169)
University of Maryland Baltimore	93.959	21009	—	22,552
University of Maryland College Park	93.959	100635-Q0739201	—	13,887
University of Maryland College Park	93.959	115555-Q0159301	—	247,602
Subtotal			38,020	793,677
PPHF Geriatric Education Centers	93.969	Direct	—	30,560
Baltimore City Health Department Preventive Health Services Sexually Transmitted Diseases Control Grants	93.977	40621	—	113,127
Sexually Transmitted Diseases (STD) Provider Education Grants	93.978	Direct	50,000	52,404
Baltimore City Health Department	93.978	39702	—	(105)
Baltimore City Health Department	93.978	40346	—	(3,018)
Subtotal			50,000	49,281
International Research and Research Training	93.989	Direct	740,813	2,629,250
Addis Ababa University	93.989	5D43TW010143	—	(142)
Addis Ababa University	93.989	5R25TW011214-03	—	9,200
Addis Ababa University	93.989	HEPI (SIM)	—	34,333
Emory University	93.989	A680629	—	27,519
Infectious Disease Institute	93.989	RS NI 83 294B	—	94,176
Instituto Nacional de Salud Pública	93.989	R21TW011720	—	53,983
Makerere University	93.989	MakCHS22/2019	—	55,374
Makerere University	93.989	R25TW011213	—	27,015
Makerere University	93.989	SUBAWARD 01-03	—	77,117
Northwestern University	93.989	60058815 JHU	—	15,268
Universidad Peruana Cayetano Heredi	93.989	006-20	—	1,758
Universidad Peruana Cayetano Heredi	93.989	209159-1	—	38,015
Universidad Peruana Cayetano Heredi	93.989	D43TW001140	—	39,842
University of Bamako	93.989	USTTB-JHBSPH 5D43...	—	11,104
University of Cape Town	93.989	28292	—	17,360
University of North Carolina	93.989	5124743	—	131,882
Washington University	93.989	WU-22-0279	—	11,453
Subtotal			740,813	3,274,507
Maryland Department of Health: Maternal and Child Health Services Block Grant to the States	93.994	FH342GEN	—	122,617
Autism and Other Developmental Disabilities, Surveillance, Research, and Prevention	93.998	Direct	—	624,464
Department of Health and Human Services	93.RD	Direct	6,086,195	34,421,609
Department of Health and Human Services : COVID-19	93.RD	Direct	409,030	2,965,327
ABT Associates	93.RD	54280	—	154,405
Ambay Immune Sensors and Controls, LLC	93.RD	75N91020C00031	—	(9)
American College of Medical Toxicology	93.RD	23086604	—	2,399
American Institutes for Research	93.RD	417400005	—	(5,163)
Baltimore City Health Department	93.RD	BCHD-EP805	—	121,273
Baltimore City Health Department	93.RD	Preaward: AD697CMA-F	—	131,077
Biomedical Research Center	93.RD	75N95020P00612	—	2,082
Boston Children's Hospital	93.RD	GENFD0002021980	—	174
Boston Children's Hospital	93.RD	GENFD0002272379	—	1,592
Boston College	93.RD	90095666	—	(2,545)
Brigham and Women's Hospital	93.RD	75N95019C00057	—	(405)
CDC Foundation	93.RD	1009.1	—	109,906
CDC Foundation	93.RD	126-FT-JHU PHAB, 400	34,026	52,260
CDC Foundation	93.RD	WA-U-X-LR-CDC Fndt	—	146,727
Children's Hospital of Philadelphia	93.RD	8903920923	—	(1,588)
Chinle Comprehensive Health Care Facility	93.RD	HHS1245201800019A	—	(645)
Circulomics, Inc.	93.RD	SC10010	—	178
Civic Works, Inc	93.RD	40101	—	24,678
Columbia University	93.RD	1(GG015997-01) (On)	—	185,770
Columbia University	93.RD	GG017607-03	—	77,174
Deloitte Consulting, LLP	93.RD	111757-1	—	129,976
Duke University Medical School	93.RD	303001607	—	201,754
Fast-Track Drugs and Biologics, LLC	93.RD	HHSN27500008NCIG7RJH	—	503,506
Gilead Sciences, Inc.	93.RD	IMPAACT 2026	253,262	418,965
GlaxoSmithKline, LLC	93.RD	IMPAACT 2023 Study	462,553	600,075
GlaxoSmithKline, LLC	93.RD	MA-RxRD-0000000410	784,042	818,644
GlaxoSmithKline, LLC	93.RD	P1093	714,979	728,116
Government of the Republic of Namibia	93.RD	90095447	—	4,526
James Bell Associates, Inc.	93.RD	HHSP233201500133I	—	144,468
Kaiser Foundation Research Institute	93.RD	OOS030459-JHU	—	35,615
Kennedy Krieger Institute	93.RD	BH588TEC-1	—	22,585
Leidos, Inc.	93.RD	43375	—	5,437
Leidos, Inc.	93.RD	2104290	—	7,297
Leidos, Inc.	93.RD	2201935	—	33,481
Leidos, Inc.	93.RD	2201945	—	21,149
Leidos, Inc.	93.RD	2201983	—	9,194
Leidos, Inc.	93.RD	2202031	—	81,548
Leidos, Inc.	93.RD	2202051	—	8,597
Leidos, Inc.	93.RD	18X078F7 – OR	—	1,809,090
Leidos, Inc.	93.RD	18X078Q	—	419,437
Leidos, Inc.	93.RD	18X078QT4	18,326	107,693
Leidos, Inc.	93.RD	PDMR CPTAC JHU Bridg	—	4,407
Leidos, Inc.	93.RD	PO 2102869	—	(63)
Leidos, Inc.	93.RD	PO 2201938	—	(277)
Leidos, Inc.	93.RD	PO 2201944	—	4,720
Leidos, Inc.	93.RD	PO2201985	—	203,465
Leidos, Inc.	93.RD	PO2202013	—	37,090
Leidos, Inc.	93.RD	PO2202016	—	230,612
Leidos, Inc.	93.RD	PO2204458	—	56,760
Leidos, Inc.	93.RD	PO2301510	—	10,828
Leidos, Inc.	93.RD	PO2301559	—	71,594
Leidos, Inc.	93.RD	PO2301614	—	4,184

THE JOHNS HOPKINS UNIVERSITY
Schedule of Expenditures of Federal Awards
Year ended June 30, 2023

Federal grantor/pass-through grantor/program or cluster title	Federal Assistanc listing number	Direct award or pass-through entity identifying number	Passed through to subrecipients	Total federal expenditures
Maryland Department of Health	93.RD	90103067	\$ —	631,979
Massachusetts General Hospital	93.RD	2020A011904	—	3,244
Mathematica Policy Research, Inc.	93.RD	50706X08192	—	84,177
Mathematica Policy Research, Inc.	93.RD	50886S06296	—	70,527
McKing Consulting Corporation	93.RD	JHU-01-4198	—	145,719
Memorial Sloan Kettering Cancer Center	93.RD	IRB 19-113	—	465
Mevox, LTD	93.RD	MMI/Griffin	—	55,244
MRIGlobal	93.RD	698-111009-1	—	311,622
National Indian Health Board	93.RD	PHICCS II Survey	—	(739)
National Marrow Donor Program	93.RD	1903	—	3,302
National Marrow Donor Program	93.RD	1904	—	4,190
New York University	93.RD	FTMTDMBR29C7	—	9,029
NORC at the University of Chicago	93.RD	9421.JHAI.01	—	418,331
Northwestern University	93.RD	SP0070625 60061130	—	9,541
Northwestern University	93.RD	SP0077551 60063489	—	37,295
Oregon State University	93.RD	V0858A-B	—	2,155
Pistevo Health, LLC	93.RD	PD-0001-SDH-01	—	29,876
Radiopharmaceutical Imaging & Dosimetry	93.RD	75N91019C00040	—	107,389
Radiopharmaceutical Imaging & Dosimetry	93.RD	75N91019C00047	—	385
Rand Corporation	93.RD	SCON-00000492	—	6,901
Regeneron Pharmaceuticals, Inc.	93.RD	HHSO100201700020C	—	4,100
Research Triangle Institute	93.RD	1-312-0218758-67045L	—	388,235
Research Triangle Institute	93.RD	1-340-0216610-65527L	—	352,720
Research Triangle Institute	93.RD	PO 66921L	—	158,996
Tuba City Regional Health Care Corporation	93.RD	09062268 Serwint , J	—	90,764
University of Alabama at Birmingham	93.RD	000500918-T017-003	—	39,615
University of Alabama at Birmingham	93.RD	000524050-T007-004	—	15
University of California San Francisco	93.RD	12555sc	—	51,414
University of Florida	93.RD	SUB00003126	—	34,726
University of Florida	93.RD	SUB00003679	—	45,446
University of Maryland Baltimore	93.RD	Sub No. 3002522	—	99,587
University of Maryland College Park	93.RD	90101809-Pre Award	—	2,240
University of North Carolina	93.RD	5126694	—	32,344
University of Pittsburgh	93.RD	Sub NO . AWD00003449-	—	13,961
University of Washington	93.RD	UWSC12410	—	25,075
Vanderbilt University Medical Center	93.RD	VUMC105654	—	185,656
Vanderbilt University Medical Center	93.RD	VUMC97773	—	61,124
Versiti Wisconsin, Inc	93.RD	MCW PRO0041775	—	1,890
Westat, Inc.	93.RD	6019-S22	—	2,650
Westat, Inc.	93.RD	6579-S06	—	23,612
Westat, Inc.	93.RD	75N91019F00129	—	19,048
Yale University	93.RD	GR111137(Con80002874	—	37,912
Subtotal			8,762,413	48,722,511
Department of Health and Human Services Total – Other Divisions			181,006,189	1,084,345,168
Department of Homeland Security:				
Baltimore City Health Department: Community Assistance Program State Support Services Element (CAP-SSSE)	97.023	BCHD EP 820	—	69,561
Assistance to Firefighters Grant	97.044	Direct	—	404,805
Baltimore City Health Department: Department of Homeland Security	97.RD	40528	—	95,010
Baltimore City Health Department	97.RD	CO # 40151	—	39
Baltimore City Health Department	97.RD	CO #40010	152,400	542,315
Subtotal			152,400	637,364
Department of Homeland Security Total – Other Divisions			152,400	1,111,730
U.S. House of Representatives:				
U.S. House of Representatives	93.RD	Direct	—	79
U.S. House of Representatives Total – Other Divisions			—	79
Research and Development Cluster Total – Other Divisions			203,133,438	1,295,650,292
Research and Development Cluster Total			429,805,200	3,581,779,725
Cooperative Agreements:				
United States Agency for International Development:				
USAID Foreign Assistance for Programs Overseas Jhpiego	98.001	Direct	30,471,077	128,396,607
USAID Foreign Assistance for Programs Overseas Jhpiego: COVID-19	98.001	Direct	90,374	2,923,847
ABT Associates	98.001	50670	—	30,000
Amref Health Africa, Inc.	98.001	JHU CCP_IYA_002	—	1,228,142
CONRAD Program	98.001	MAPS2-18-089	—	11,188
EngenderHealth, Inc.	98.001	SUBA097	117,672	892,113
FHI 360	98.001	102533	—	3,507
FHI 360	98.001	PO20001194	—	43,193
FHI 360	98.001	PO21001877	—	22,875
IMA World Health	98.001	MIHR-JHU-001	—	132,066
International Medical Corps	98.001	720BHA22GR00147	107,220	443,533
International Research & Exchanges Board	98.001	FY22-SEMP-JHU-01	—	22,487
Management Sciences For Health, Inc.	98.001	A587-ACCESS-2018-...	—	940,737
National Academy of Sciences, Engineering, and Medicine	98.001	2000013095	—	2,632
National Academy of Sciences, Engineering, and Medicine	98.001	2000013098	—	2,361
Palladium	98.001	Data, FI-2021-004	—	1,695
Research Triangle Institute	98.001	1-330-0216694-65508L	—	559,393
Research Triangle Institute	98.001	4-330-0218932-67135L	—	66,703
Save the Children Federation, Inc.	98.001	999002138	—	(4,926)
Save the Children Federation, Inc.	98.001	999004525	—	708,462
Save the Children Federation, Inc.	98.001	999004526	—	379,385
Save the Children Federation, Inc.	98.001	720FDA18CA00051	—	(1,727)
Tufts University	98.001	104042	—	24,987
Subtotal JHPIEGO			30,786,343	136,829,260
USAID Foreign Assistance for Programs Overseas Other Divisions	98.001	Direct	50,339,399	201,709,807
USAID Foreign Assistance for Programs Overseas Other Divisions : COVID-19	98.001	Direct	—	108,153
CARE	98.001	PFA/1/2022/CARE/...	—	388,202
FHI 360	98.001	PO22000087	—	2,733,974
IntraHealth International, Inc.	98.001	103494-003	—	36,526
John Snow, Inc.	98.001	0011-0549-1015	—	212,127
Pact, Inc.	98.001	000-011262	1,928,259	6,256,633
PATH	98.001	AID.583604-01707349.	—	445,496
PATH	98.001	AID.583717-01712921	—	483,284
Pharmajet	98.001	7200AA22FA00040	—	62,486
Population Services International	98.001	4593-Jhpiego01July20	314,255	5,822,600
Research Triangle Institute	98.001	2-330-0216277-65185L	—	16,827
Save the Children Federation, Inc.	98.001	84001965	—	321,767
Save the Children Federation, Inc.	98.001	84004093	—	(11,525)
Save the Children Federation, Inc.	98.001	84005050	—	391,603
Subtotal Other Divisions			52,581,913	218,977,960
Subtotal			83,368,256	355,807,220
Foreign Assistance to American Schools and Hospitals Abroad (ASHA)	98.006	Direct	—	222,140
Catholic Relief Services: Food for Peace Development Assistance Program (DAP)	98.007	ET.22.SUBAGR.20626.2	—	316,662
Catholic Relief Services: Food for Peace Emergency Program (EP)	98.008	ET.22.SUBAGR.20687.2	—	44,242
United States Agency for International Development Jhpiego	98.U01	Direct	5,485,088	36,566,072

THE JOHNS HOPKINS UNIVERSITY
Schedule of Expenditures of Federal Awards
Year ended June 30, 2023

Federal grantor/pass-through grantor/program or cluster title	Federal Assistance listing number	Direct award or pass-through entity identifying number	Passed through to subrecipients	Total federal expenditures
United States Agency for International Development Jhpiego: COVID-19	98.U01	Direct	\$ —	151,947
ABT Associates	98.U01	52406	—	286,002
CARE	98.U01	90105284	—	3,807
Center for Clinical Care and Clinical Research	98.U01	CCCRN/FY22/720/620/2	—	435,899
Chemonics International, Inc.	98.U01	SUBIQC-491	—	17,953
Palladium	98.U01	217727-JhpiegoTO2-01	—	69,106
Palladium	98.U01	217727-JhpiegoTO3-B	—	696,095
Palladium	98.U01	217727-JhpiegoTO4-01	—	671,469
Palladium	98.U01	217727-JhpiegoTO5-01	—	689,946
Palladium	98.U01	217727-JhpiegoTO6-01	—	459,114
Palladium	98.U01	217727-JhpiegoTO7-01	—	411,389
Population Services International	98.U01	4442-Jhpiego-21Apr18	—	5,844,152
Rios Partners	98.U01	USAID JHPIEGO – 002	—	(75,212)
Subtotal JHPIEGO			5,485,088	46,227,739
USAID Foreign Assistance for Programs Overseas	98.U01	Direct	191,002	10,615,467
Chemonics International, Inc.	98.U01	SUB-1231	—	29,025
Grand Challenges Canada	98.U01	0019-P-NC-20210515-A	—	5,083
ICF International, Inc.	98.U01	18MQSK0067	—	411,216
Making Cents International	98.U01	LAC-APS-007	26,323	91,382
Management Systems International	98.U01	216-6143-01-2023-435	—	21,877
Panagora Group	98.U01	72067418F00002_JHU_S	—	118,336
PATH	98.U01	AID.574450-01707870-	—	177,354
Tetra Tech, Inc.	98.U01	1871-JHU-001	—	16,447
Tetra Tech, Inc.	98.U01	1876-WAGE-IQS-JHU-01	—	423,774
Tetra Tech, Inc.	98.U01	1878-CCBO-JHU-001	—	172,748
UNAIDS: Joint United Nations Programme on HIV/AIDS	98.U01	90105112	—	32,627
UNAIDS: Joint United Nations Programme on HIV/AIDS	98.U01	2020/1021004	—	88,303
Subtotal Other Divisions			217,325	12,203,639
Subtotal			5,702,413	58,431,378
Subtotal Agency for International Development – Cooperative Agreements Total			89,070,669	414,821,642
Student Financial Assistance:				
Department of Education:				
Federal Supplemental Educational Opportunity Grants	84.007	Direct	—	1,911,265
Federal Work-Study Program	84.033	Direct	—	1,317,327
Federal Perkins Loan	84.038	Direct	—	6,372,613
Federal Pell Grant Program	84.063	Direct	—	6,369,767
Federal Direct Student Loans	84.268	Direct	—	181,291,282
Department of Education Subtotal			—	197,262,254
Department of Health and Human Services:				
Nurse Faculty Loan Program	93.264	Direct	—	6,903,272
Department of Health and Human Services Subtotal			—	6,903,272
Nurse Faculty Loan Program balance				
Student Financial Assistance Cluster Total			—	204,165,526
Other Program Awards:				
Department of Defense:				
Military Medical Research and Development	12.420	Direct	—	178,210
Information Security Grants	12.902	H98230-22-P-1540	—	38,000
Department of Defense	12.U01	Direct	—	95,331
Department of Defense Total			—	311,541
National Aeronautics and Space Administration:				
Exploration	43.003	Direct	—	65,958
Baylor College of Medicine	43.003	PO#7000001500	—	118,823
Space Research Company, LLC	43.003	JHU-19-01	—	23,419
Subtotal			—	208,200
Education	43.008	Direct	112,917	608,612
Space Technology	43.012	Direct	—	158,796
National Aeronautics and Space Administration Total			112,917	975,608
Department of Education:				
Maryland Department of Education: Special Education Grants to States	84.027	231379	—	63,411
Maryland Department of Education: Special Education Grants to States	84.027	231422	—	19,751
Subtotal			—	83,162
Maryland Department of Education: State Grants-B	84.027A	220769	—	12,454
Maryland Department of Education: State Grants-B	84.027A	221954	—	1,008,989
Subtotal			—	1,021,443
Maryland Department of Education: Special Education Preschool Grants	84.173	222031	—	396,855
Maryland Department of Education: Individuals with Disabilities Education Act/American Rescue Plan Act of '21	84.181X	H181X210124	—	591,316
Mental Health Service Professional Demonstration Grant Program	84.184X	Direct	—	48,732
Jacob K. Javits Gifted and Talented Student Education	84.206A	Direct	469,247	601,227
Temple University: Special Education_Transitioning to Middle School Successfully (TRAMSS)	84.324A	261770-JHU	—	155,311
Columbia University: National Professional Development (NPD program)	84.365Z	511238-02	—	93,016
Education Innovation and Research Grants – Mid-phase Grants: Education Innovation and Research Grants – Mid-phase Grants	84.411B	Direct	—	321,053
Higher Education Emergency Relief Fund (HEERF) Cluster:				
Maryland Department of Education: Education Stabilization Fund Program – Governor's Emergency Education Relief II (GEER II) Fund: COVID-19	84.425C	202021	—	70,397
Higher Education Emergency Relief Fund: COVID-19	84.425E	Direct	—	3,074,297
HEERF Cluster Total			—	3,144,694
Department of Education Total			469,247	6,456,809
Department of Health and Human Services:				
Innovations in Applied Public Health Research	93.061	Direct	—	25,758
Maryland Department of Health: Environmental Public Health and Emergency Response	93.070	G1666	—	(333)
Maryland Department of Health	93.070	PHPA1941	—	18,800
Subtotal			—	18,467
Children's Hospital of Philadelphia: Blood Disorder Program: Prevention, Surveillance, and Research	93.080	PO # 20319071	—	9,181
Lehigh Valley Health Network	93.080	ATHN_22_23_008	—	18,000
Subtotal			—	27,181
Maternal and Child Health Federal Consolidated Programs	93.110	Direct	—	600,663
Children's Hospital of Philadelphia	93.110	20274270	—	15,591
Subtotal			—	616,254

THE JOHNS HOPKINS UNIVERSITY
Schedule of Expenditures of Federal Awards
Year ended June 30, 2023

Federal grantor/pass-through grantor/program or cluster title	Federal Assistance listing number	Direct award or pass-through entity identifying number	Passed through to subrecipients	Total federal expenditures
Preventive Medicine Residency	93.117	Direct	\$ —	8,197
Injury Prevention and Control Research and State and Community Based Programs	93.136	Direct	—	266,584
University of Pittsburgh: AIDS Education and Training Centers	93.145	AWD00004438 136390-3	—	2,484
University of Pittsburgh	93.145	CNVA00050178 1363193	—	294,084
Subtotal			—	296,568
National Research Service Award in Primary Care Medicine	93.186	Direct	—	(92,564)
Substance Abuse and Mental Health Services Projects of Regional and National Significance	93.243	Direct	(15)	—
American Academy of Addiction Psychiatry	93.243	MFG-21-7	—	102,781
Subtotal			(15)	102,781
Occupational Safety and Health Program	93.262	Direct	19,496	1,728,939
Kennedy Krieger Institute: CDC Undergraduate Public Health Scholars Program (CUPS): A Public Health Experience to Expose Undergraduates Interested in Minority Health to Public Health and the Public Health Professions	93.456	NU50MN000004	—	45,910
Public Health Training Centers Program: COVID-19	93.516	Direct	—	208,176
University of Pittsburgh	93.516	AWD00005917 (13751-1	—	77,536
University of Pittsburgh	93.516	CNVA00061461 (134...	—	51
Subtotal			—	285,763
Mental and Behavioral Health Education and Training Grants : COVID-19	93.732	Direct	—	81,120
Primary Care Training and Enhancement	93.884	Direct	—	755,649
PPHF Geriatric Education Centers	93.969	Direct	216,327	707,594
Virginia Commonwealth University	93.969	FP00009788_SA007	—	42,424
Subtotal			216,327	750,018
Sexually Transmitted Diseases Research, Demonstrations, and Public Information and Education Grants	93.978	Direct	150,000	918,761
University of Maryland Baltimore: Department of Health and Human Services	93.U01	Subaward No.: 300065	—	30,169
University of Maryland Medical System	93.U02	Direct	—	(7,161)
Subtotal			—	23,008
Department of Health and Human Services Total			385,808	5,858,394
Total Other Program Awards			967,972	13,602,352
Total Expenditures of Federal Awards			\$ 519,843,841	4,214,369,245

See accompanying independent auditors' report.

THE JOHNS HOPKINS UNIVERSITY

Notes to Schedule of Expenditures of Federal Awards

June 30, 2023

(1) Basis of Presentation

The accompanying schedule of expenditures of federal awards (the Schedule) summarizes the expenditures of The Johns Hopkins University (the University) under programs of the federal government for the year ended June 30, 2023. The Schedule was prepared in accordance with the requirements of Title 2 U.S. *Code of Federal Regulations* Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance).

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 made to the University by nonfederal organizations pursuant to federal grants, contracts, and similar agreements. For schedule presentation purposes, awards are grouped into the following categories:

Research and Development – Includes awards for research and development work at the University's Applied Physics Laboratory (APL), provided primarily under cost plus fixed fee type contracts with agencies of the Department of Defense (DOD), and for work at the University's academic divisions, primarily under grants with agencies and divisions of the Department of Health and Human Services (DHHS).

Student financial aid – Includes awards to provide financial assistance to students under Federal Work Study (FWS), Federal Pell Grants (Pell), Federal Supplemental Educational Opportunity Grants (FSEOG), loan disbursements under the Federal Perkins, and Federal Direct Student Loan Programs of the Department of Education as well as Nurse Faculty Loan, and Nursing Student Loans Programs of the Department of Health and Human Services.

Cooperative agreements – Includes awards for international assistance projects sponsored by the Agency for International Development (AID) to Jhpiego Corporation, a separate corporate entity controlled by the University, and certain departments of the University's Bloomberg School of Public Health (with respect to population information, population communication services, and various other projects).

Training and other – Includes awards to support research training for graduate and other students, primarily under programs of the National Institutes of Health, and other student related assistance programs that are not considered part of the research and development cluster under Uniform Guidance.

The University receives pass-through awards from approximately 500 different institutions and not for profit organizations. Information about significant pass through organizations is presented on the schedule of expenditures of federal awards. The University makes payments to approximately 600 subrecipient organizations. Information about significant subrecipients is presented on the schedule of expenditures of federal awards. The Schedule does not include federal awards expenditures, if any, of The Johns Hopkins Health System Corporation (JHHS) or any of its member institutions. JHHS and its member institutions are incorporated and governed separately from the University, and their accounts are not included in the University's financial statements.

THE JOHNS HOPKINS UNIVERSITY

Notes to Schedule of Expenditures of Federal Awards

June 30, 2023

(2) Summary of Significant Accounting Policies for Federal Awards

(a) General

For purposes of the Schedule, expenditures for federal award programs are recognized on an accrual basis of accounting.

(b) Applied Physics Laboratory

The Applied Physics Laboratory's (APL) federal award expenditures relate primarily to costs incurred and fees earned under cost plus fixed fee type contracts with agencies of the DOD. Costs incurred and fees earned under these contracts are determined in accordance with the terms of the contracts and the contract cost principles and procedures set forth in the Federal Acquisition Regulation (FAR) and, where applicable, agency acquisition regulations that implement or supplement the FAR. Under terms of the contracts and provisions of the FAR, certain expenditures are not allowable or are limited as to reimbursement. Expenditures include indirect costs, relating primarily to general and administrative activities and technical supervision and services at the APL, which are allocated to the direct cost objectives (including federal awards) which benefit from the activities using bases and methods considered appropriate for the various types of costs involved. Indirect costs are allocated to federal awards and billed to sponsoring agencies during each cost accounting period based on agreed upon provisional rates; variances between actual costs incurred and costs allocated and billed using the provisional rates are adjusted periodically. For purposes of the Schedule, the variance for the year ended June 30, 2023 was allocated to individual awards based on their proportionate federal award expenditures for the period. Fees earned on cost plus fixed fee type contracts are recognized as related expenditures are incurred and included as contract costs in the Schedule.

For contract administration purposes, the year end date for the APL's principal contracts with agencies of the DOD is September 30. The information in the Schedule with respect to these contracts is presented to comply with the Uniform Guidance requirements and is not intended to provide the sole basis for administrative closeout of the contracts.

(c) Academic and Other Divisions

Expenditures for federal student financial aid programs are recognized as incurred and include Pell grants to students, the federal share of students' FSEOG grants and FWS program earnings, loan disbursements, certain other federal financial assistance grants for students, and administrative cost allowances, where applicable.

Expenditures for other federal awards of the University's academic and other divisions, including Jhpiego Corporation, are determined using the cost accounting principles and administrative procedures set forth in the Uniform Guidance. Under the cost principles, certain expenditures are not allowable or are limited as to reimbursement.

THE JOHNS HOPKINS UNIVERSITY

Notes to Schedule of Expenditures of Federal Awards

June 30, 2023

Expenditures for nonfinancial aid awards include facilities and administrative (F&A) costs, relating primarily to facilities operation and maintenance and general, divisional, and departmental administration services, which are allocated to direct costs (including federal awards) based on negotiated percentages of direct expenditures, with certain exclusions. F&A costs allocated to such awards for the year ended June 30, 2023 were based on predetermined rates established with DHHS, the University's cognizant federal agency. The University did not elect to apply the 10% De Minimis indirect cost rate permitted by Uniform Guidance.

(3) Federal Student Loan Programs and Related Matters

The Federal Perkins (Perkins) and Nurse Faculty Loan Program (NFLP) programs are administered directly by the University, and balances and transactions relating to these programs are included in the University's consolidated financial statements. The current year loaned amounts under the Perkins and NFLP programs were \$0 and \$2,261,325, respectively. The amount of Perkins and NFLP loans on the schedule of expenditures of federal awards includes the beginning outstanding loan balance, the current year loaned amount, and the administrative charge. The balances of loans outstanding under the Perkins and NFLP programs were \$4,669,326 and \$6,755,221, respectively, as of June 30, 2023.

The University is responsible only for the performance of certain administrative duties with respect to the federal direct loan programs, and accordingly, these loans are not included in its consolidated financial statements and it is not practical to determine the balance of loans outstanding to students and former students of the University under these programs as of June 30, 2023. Direct loans issued during the year ended June 30, 2023 are included on the Schedule.

SECTION C



KPMG LLP
750 East Pratt Street, 18th Floor
Baltimore, MD 21202

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

The Board of Trustees
The Johns Hopkins University:

We have audited, in accordance with the auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, the consolidated financial statements of The Johns Hopkins University (the University), which comprise the University's consolidated balance sheet as of June 30, 2023, the related consolidated statements of activities, and cash flows for the year then ended, and the related notes to the consolidated financial statements, and have issued our report thereon dated October 12, 2023.

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 consolidated 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 entity'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 entity's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

KPMG LLP

Baltimore, Maryland
October 12, 2023

SECTION D



KPMG LLP
750 East Pratt Street, 18th Floor
Baltimore, MD 21202

Independent Auditors' Report on Compliance for Each Major Federal Program; Report on Internal Control Over Compliance; and Report on Schedule of Expenditures of Federal Awards Required by the Uniform Guidance

The Board of Trustees
The Johns Hopkins University:

Report on Compliance for Each Major Federal Program

Opinion on Each Major Federal Program

We have audited The Johns Hopkins 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, 2023. The University's major federal programs are identified in the summary of auditors' 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, 2023.

Basis for Opinion on Each Major Federal Program

We conducted our audit of compliance in accordance with auditing standards generally accepted in the United States of America (GAAS); the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States; and the audit requirements of Title 2 U.S. Code of Federal Regulations Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (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 GAAS,



Government Auditing Standards, and the Uniform Guidance will always detect material noncompliance when it exists. The risk of not detecting material noncompliance resulting from fraud is higher than for that resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Noncompliance with the compliance requirements referred to above is considered material if there is a substantial likelihood that, individually or in the aggregate, it would influence the judgment made by a reasonable user of the report on compliance about the University's compliance with the requirements of each major federal program as a whole.

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

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

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

Report on Internal Control Over Compliance

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

Our consideration of internal control over compliance was for the limited purpose described in the 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.



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

We have audited the consolidated financial statements of the University as of and for the year ended June 30, 2023, and have issued our report thereon dated October 12, 2023, which contained an unmodified opinion on those consolidated financial statements. 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 is presented for purposes of additional analysis as required by the 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 GAAS. In our opinion, the schedule of expenditures of federal awards is fairly stated in all material respects in relation to the consolidated financial statements as a whole.

KPMG LLP

Baltimore, Maryland
March 15, 2024

SECTION E

THE JOHNS HOPKINS UNIVERSITY
Schedule of Findings and Questioned Costs
Year ended June 30, 2023

(1) Summary of Auditors' Results

- a. Type of report issued on whether the financial statements were prepared in accordance with generally accepted accounting principles: **Unmodified**
- b. Internal control deficiencies over financial reporting disclosed by the audit of the financial statements:
 - Material weaknesses: **No**
 - Significant deficiencies: **None Reported**
- c. Noncompliance material to the financial statements: **No**
- d. Internal control deficiencies over major programs disclosed by the audit:
 - Material weaknesses: **No**
 - Significant deficiencies: **None reported**
- e. Type of report issued on compliance for major programs: **Unmodified**
- f. Audit findings that are required to be reported in accordance with 2 CFR 200.516(a): **No**
- g. Major programs:
 - Research and Development Cluster: **various Assistance Listing numbers**
 - Student Financial Assistance Cluster: **various Assistance Listing numbers**
- h. Dollar threshold used to distinguish between Type A and Type B programs: **\$12,643,108**
- i. Auditee qualified as a low-risk auditee: **Yes**

(2) Findings Relating to the Financial Statements Reported in Accordance with *Government Auditing Standards*

None

(3) Findings and Questioned Costs Relating to Federal Awards

None