

Mass General Brigham Incorporated and Affiliates

**Report on Federal Awards in
Accordance with the OMB Uniform Guidance
September 30, 2021
EIN 04-3230035**

Mass General Brigham Incorporated and Affiliates

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September 30, 2021 and 2020

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Report of Independent Auditors

To the Board of Directors of
Mass General Brigham Incorporated

Report on the Financial Statements

We have audited the accompanying consolidated financial statements of Mass General Brigham Incorporated (the Company) and its affiliates, which comprise the consolidated balance sheets as of September 30, 2021 and 2020, and the related consolidated statements of operations, changes in net assets and of cash flows for the years then ended, and the related notes to the financial statement.

Management's Responsibility for the Consolidated Financial Statements

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

Auditors' Responsibility

Our responsibility is to express an opinion on the consolidated financial statements based on our audits. We conducted our audits in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in Government Auditing Standards, issued by the Comptroller General of the United States. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the consolidated financial statements. The procedures selected depend on our judgment, including the assessment of the risks of material misstatement of the consolidated financial statements, whether due to fraud or error. In making those risk assessments, we consider internal control relevant to the Company's preparation and fair presentation of the consolidated financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Company's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the consolidated financial statements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.



Opinion

In our opinion, the consolidated financial statements referred to above present fairly, in all material respects, the financial position of Mass General Brigham Incorporated and its affiliates as of September 30, 2021 and 2020, and the results of their operations, changes in net assets and cash flows for the years then ended in accordance with accounting principles generally accepted in the United States of America.

Other Matters

Our audit was conducted for the purpose of forming an opinion on the consolidated financial statements as a whole. The accompanying schedule of expenditures of federal awards for the year ended September 30, 2021 is presented for purposes of additional analysis as required by Title 2 U.S. *Code of Federal Regulations Part 200, Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance), respectively, and are not a required part of the consolidated financial statements. The information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the consolidated financial statements. The information has been subjected to the auditing procedures applied in the audit of the consolidated financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the consolidated financial statements or to the consolidated financial statements themselves, and other additional procedures, in accordance with auditing standards generally accepted in the United States of America. In our opinion, the schedule of expenditures of federal awards is fairly stated, in all material respects, in relation to the consolidated financial statements taken as a whole.

Other Reporting Required by Government Auditing Standards

In accordance with *Government Auditing Standards*, we have also issued our report dated December 10, 2021, on our consideration of Mass General Brigham's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts and grant agreements and other matters for the year ended September 30, 2021. The purpose of that report is solely to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing and not to provide an opinion on the effectiveness of internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering Mass General Brigham's internal control over financial reporting and compliance.

PricewaterhouseCoopers LLP

December 10, 2021

Mass General Brigham Incorporated and Affiliates
Consolidated Balance Sheets
September 30, 2021 and 2020

(in thousands of dollars)

	2021	2020
Assets		
Current assets		
Cash and equivalents	\$ 177,259	\$ 2,129,189
Investments	3,395,005	1,142,275
Current portion of investments limited as to use	5,637,637	4,424,436
Patient accounts receivable, net	1,332,404	983,273
Research grants receivable, net	187,193	149,685
Other current assets	684,632	589,078
Total current assets	11,414,130	9,417,936
Investments limited as to use, less current portion	6,202,723	5,168,054
Long-term investments	2,950,684	2,179,220
Property and equipment, net	6,261,727	6,411,117
Right-of-use operating lease assets	1,108,275	1,139,626
Other assets	1,027,593	724,410
Total assets	\$ 28,965,132	\$ 25,040,363
Liabilities and Net Assets		
Current liabilities		
Current portion of long-term obligations	\$ 381,987	\$ 436,166
Accounts payable and accrued expenses	1,730,310	1,885,784
Accrued medical claims and related expenses	87,289	84,638
Accrued employee compensation and benefits	1,414,036	1,219,905
Current portion of operating lease obligations	200,706	191,259
Unexpended funds on research grants	345,403	367,858
Total current liabilities	4,159,731	4,185,610
Accrued professional liability	588,402	567,770
Accrued employee benefits	729,924	2,044,913
Interest rate swaps liability	472,011	662,384
Accrued other	254,673	197,986
Operating lease obligations, less current portion	782,650	797,096
Long-term obligations, less current portion	5,802,238	5,964,310
Total liabilities	12,789,629	14,420,069
Commitments and contingencies		
Net assets		
Unrestricted	12,806,328	8,099,064
Donor restricted	3,369,175	2,521,230
Total net assets	16,175,503	10,620,294
Total liabilities and net assets	\$ 28,965,132	\$ 25,040,363

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

Mass General Brigham Incorporated and Affiliates
Consolidated Statements of Operations
Years Ended September 30, 2021 and 2020

<i>(in thousands of dollars)</i>	2021	2020
Operating revenues		
Net patient service revenue	\$ 11,432,255	\$ 9,609,196
Premium revenue	910,312	830,191
Direct academic and research revenue	1,744,731	1,591,241
Indirect academic and research revenue	532,213	469,144
Other revenue	1,376,792	1,558,855
Total operating revenues	<u>15,996,303</u>	<u>14,058,627</u>
Operating expenses		
Employee compensation and benefit expenses	8,296,031	7,678,213
Supplies and other expenses	3,980,935	3,594,613
Medical claims and related expenses	645,514	610,310
Direct academic and research expenses	1,744,731	1,591,241
Depreciation and amortization expenses	724,477	742,187
Interest expense	162,128	192,576
Total operating expenses	<u>15,553,816</u>	<u>14,409,140</u>
Income (loss) from operations	<u>442,487</u>	<u>(350,513)</u>
Nonoperating gains (expenses)		
Income from investments	2,339,707	612,355
Change in fair value of interest rate swaps	190,373	(151,805)
Other nonoperating (expenses) income	(136,409)	(73,366)
Academic and research gifts, net of expenses	198,306	168,527
Non-service related pension income	127,735	58,317
Total nonoperating gains, net	<u>2,719,712</u>	<u>614,028</u>
Excess of revenues over expenses	3,162,199	263,515
Other changes in net assets		
Funds utilized for property and equipment	51,718	80,894
Change in funded status of defined benefit plans	1,486,475	376,740
Other changes in net assets	6,872	19,580
Increase in unrestricted net assets	<u>\$ 4,707,264</u>	<u>\$ 740,729</u>

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

Mass General Brigham Incorporated and Affiliates
Consolidated Statements of Changes in Net Assets
Years Ended September 30, 2021 and 2020

<i>(in thousands of dollars)</i>	Unrestricted	Donor Restricted	Total
Net assets at September 30, 2019	\$ 7,358,335	\$ 2,389,384	\$ 9,747,719
Increases (decreases)			
Loss from operations	(350,513)	-	(350,513)
Income from investments	612,355	85,376	697,731
Change in fair value of interest rate swaps	(151,805)	-	(151,805)
Other nonoperating (expenses) income	(73,366)	93,334	19,968
Academic and research gifts, net of expenses	168,527	-	168,527
Non-service related pension income	58,317	-	58,317
Funds utilized for property and equipment	80,894	(48,658)	32,236
Change in funded status of defined benefit plans	376,740	-	376,740
Other changes in net assets	19,580	1,794	21,374
Change in net assets	<u>740,729</u>	<u>131,846</u>	<u>872,575</u>
Net assets at September 30, 2020	\$ 8,099,064	\$ 2,521,230	\$ 10,620,294
Increases (decreases)			
Income from operations	442,487	-	442,487
Income from investments	2,339,707	466,855	2,806,562
Change in fair value of interest rate swaps	190,373	-	190,373
Other nonoperating (expenses) income	(136,409)	399,382	262,973
Academic and research gifts, net of expenses	198,306	-	198,306
Non-service related pension income	127,735	-	127,735
Funds utilized for property and equipment	51,718	(25,112)	26,606
Change in funded status of defined benefit plans	1,486,475	-	1,486,475
Other changes in net assets	6,872	6,820	13,692
Change in net assets	<u>4,707,264</u>	<u>847,945</u>	<u>5,555,209</u>
Net assets at September 30, 2021	\$ 12,806,328	\$ 3,369,175	\$ 16,175,503

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

Mass General Brigham Incorporated and Affiliates
Consolidated Statements of Cash Flows
Years Ended September 30, 2021 and 2020

<i>(in thousands of dollars)</i>	2021	2020
Cash flows from operating activities		
Change in net assets	\$ 5,555,209	\$ 872,575
Adjustments to reconcile change in net assets to net cash provided by operating activities		
Change in funded status of defined benefit plans	(1,486,475)	(376,740)
Loss on refunding of debt	-	24,817
Change in fair value of interest rate swaps	(190,373)	151,805
Depreciation and amortization	724,477	742,187
Amortization of bond discount, premium and issuance costs	(12,117)	(11,838)
Gain on disposal of property	(69)	(1,258)
Change in right-of-use operating lease assets	178,991	170,854
Net realized and change in unrealized appreciation on investments	(3,054,762)	(907,825)
Restricted contributions and investment income	(367,506)	(121,064)
Cash premium upon issuance of bonds	-	79,262
Increases (decreases) in cash resulting from a change in		
Patient accounts receivable	(349,131)	148,008
Other assets	(138,340)	29,700
Accounts payable and other accrued expenses	286,776	510,870
Accrued medical claims and related expenses	2,651	27,088
Operating lease obligations	(152,639)	(211,546)
Settlements with third-party payers	(29,328)	35,040
Medicare accelerated payments	(293,624)	1,018,093
Net cash provided by operating activities	<u>673,740</u>	<u>2,180,028</u>
Cash flows from investing activities		
Purchases of property and equipment	(575,288)	(563,746)
Proceeds from sale of property	3,548	1,353
Purchase of investments	(3,510,944)	(2,350,917)
Proceeds from sales of investments	1,293,642	1,867,763
Net cash used for investing activities	<u>(2,789,042)</u>	<u>(1,045,547)</u>
Cash flows from financing activities		
Borrowings under lines of credit	-	375,000
Repayments under lines of credit	-	(375,000)
Payments on long-term obligations	(234,119)	(83,806)
Proceeds from long-term obligations, net of financing costs	-	1,463,860
Decrease (increase) in auction rate securities holdings	29,985	(29,985)
Deposits into refunding trusts	-	(760,232)
Restricted contributions and investment income	367,506	121,064
Net cash provided by financing activities	<u>163,372</u>	<u>710,901</u>
Net (decrease) increase in cash and equivalents	<u>(1,951,930)</u>	<u>1,845,382</u>
Cash and equivalents		
Beginning of year	<u>2,129,189</u>	<u>283,807</u>
End of year	<u>\$ 177,259</u>	<u>\$ 2,129,189</u>

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

Mass General Brigham Incorporated and Affiliates

Notes to Consolidated Financial Statements

September 30, 2021 and 2020

(in thousands of dollars)

1. Organization and Community Benefit Commitments

Mass General Brigham Incorporated (the Company) is the parent organization and sole corporate member of numerous organizations whose financial condition and operations are described in these consolidated financial statements. The terms Mass General Brigham, We, Our or Us as used herein, unless otherwise stated or indicated by context, refer collectively to the Company and its affiliated organizations.

Mass General Brigham operates academic medical centers, community acute care hospitals, inpatient and outpatient mental health services facilities, urgent care centers, facilities that provide rehabilitation medicine and long-term care services, physician organizations, home health services, nursing homes and a graduate level program for health professions. Our mission is to provide world class health care services to the local communities in which we operate as well as to patients across the United States and the world. In addition, we are a nonuniversity-based non-profit private medical research enterprise and a principal teaching affiliate of the medical and dental schools of Harvard University. Our licensed, not-for-profit managed care organization and licensed, for-profit insurance company (collectively referred to as AllWays Health) provide health insurance products and administrative services to the Massachusetts Medicaid program (MassHealth), ConnectorCare (a state subsidized program for adults who meet income and immigration guidelines) and commercial populations.

Community Health

Through our community health programs we work with community residents and organizations to make measurable, sustainable improvements in the health status of underserved populations. In addition, we support initiatives related to equity, social determinants of health and work force development. Our hospitals and licensed affiliated health centers partner with the community to help low-income, vulnerable families overcome barriers to health and wellbeing.

Charity Care

We provide charity care to all emergent patients regardless of their ability to pay. The cost of and reimbursement for providing that care, as reflected in the consolidated statements of operations, is summarized below.

State Programs

Massachusetts

Acute care hospitals in The Commonwealth of Massachusetts (the Commonwealth or Massachusetts) are partially reimbursed for charity care services through the statewide Health Safety Net Trust Fund (HSN). A portion of the funding for the HSN is paid by an assessment on acute care hospitals' charges for private sector payers. The statewide assessment was \$165,308 in both 2021 and 2020 and the assessment expense on our acute care hospitals was \$60,818 and \$61,973 in 2021 and 2020, respectively.

Mass General Brigham Incorporated and Affiliates

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September 30, 2021 and 2020

(in thousands of dollars)

Acute care hospitals are reimbursed for charity care based on claims for eligible patients and services that are submitted to and adjudicated by the HSN. Payments are based on Medicare rates and payment policies. The HSN was under-funded by approximately \$64,968 and \$42,738 in 2021 and 2020, respectively. This shortfall is allocated to acute care hospitals based on their share of total statewide patient care costs with our share being approximately \$22,086 and \$12,064 in 2021 and 2020, respectively. Each hospital's share of the overall state shortfall cannot exceed its total charity care reimbursement. Hospitals with a high proportion of charity care and government funding receive more favorable reimbursement, including limiting their shortfall allocation to no more than 15% of their payments for charity care. In aggregate, our acute care hospitals received charity care funding covering 60% and 62% of the estimated cost of charity care provided in 2021 and 2020, respectively.

The Commonwealth levies an additional assessment on Massachusetts hospitals that is redistributed to the hospitals based on pay-for-performance criteria. The total assessment was \$257,500 in both 2021 and 2020 and our assessment expense was \$94,734 and \$97,393 in 2021 and 2020, respectively. The total amount redistributed to hospitals was \$265,000 in both 2021 and 2020 of which we received \$55,469 and \$55,542 in 2021 and 2020, respectively. Additionally, there is a separate assessment for our post-acute hospitals which totaled \$3,178 and \$6,783 in 2021 and 2020, respectively.

New Hampshire

The State of New Hampshire (New Hampshire) imposes a Medicaid Enhancement Tax (MET) on hospital net patient service revenue. For both of New Hampshire's fiscal years ended June 30, 2021 and 2020, the MET imposed was 5.4%. We incurred \$20,330 and \$18,513 of MET in 2021 and 2020, respectively.

New Hampshire acute care hospitals receive disproportionate share payments based on a portion of their charity care relative to other acute care hospitals. We received \$10,950 and \$10,697 in 2021 and 2020, respectively.

Medicaid

Medicaid is a health insurance program jointly funded by the states and the federal government. Each state administers its own program and sets rules for eligibility, benefits and provider payments within broad federal guidelines and in some cases, including the Commonwealth and New Hampshire, within a Waiver Agreement between each state and the federal government. The program provides health care coverage to low-income adults and children. Eligibility is determined by a variety of factors which include income relative to the federal poverty line, age, immigrant status and assets.

Medicaid payments to our providers do not cover the full cost of services provided to Medicaid patients. In aggregate, reimbursement from Medicaid covered approximately 62% of the estimated cost of services provided in both 2021 and 2020.

Mass General Brigham Incorporated and Affiliates
Notes to Consolidated Financial Statements
September 30, 2021 and 2020

(in thousands of dollars)

Federal Program
Medicare

Medicare is a federally sponsored health insurance program for people age 65 or older, under age 65 with certain disabilities and any age with End-Stage Renal Disease. Medicare's payments historically have not kept pace with increases in the cost of care provided at many hospitals. Compounding this shortfall in payments is the continued shift of care from higher paying inpatient services to lower paying outpatient services.

Consequently, Medicare payments to our providers do not cover the full cost of services provided. In aggregate, reimbursement from Medicare covered approximately 71% and 68% of the estimated cost of services provided in 2021 and 2020, respectively.

Summary

For charity care, Medicaid and Medicare, the estimated cost of services provided is either obtained directly from a costing system or based on an entity specific ratio of cost to gross charges. In the latter case, cost is derived by applying this ratio to gross charges associated with providing care to charity care, Medicaid and Medicare patients. The following summarizes, by program, the cost of services provided, net reimbursement and cost of services in excess of reimbursement for each year:

	Years Ended September 30,	
	2021	2020
Cost of services provided		
Charity care	\$ 92,362	\$ 90,473
Medicaid	1,517,575	1,275,389
Medicare	<u>4,657,140</u>	<u>4,134,589</u>
	<u>\$ 6,267,077</u>	<u>\$ 5,500,451</u>
Net reimbursement		
Charity care	\$ 44,256	\$ 45,632
Medicaid	933,518	795,865
Medicare	<u>3,311,087</u>	<u>2,800,316</u>
	<u>\$ 4,288,861</u>	<u>\$ 3,641,813</u>
Cost of services in excess of reimbursement		
Charity care	\$ 48,106	\$ 44,841
Medicaid	584,057	479,524
Medicare	<u>1,346,053</u>	<u>1,334,273</u>
	<u>\$ 1,978,216</u>	<u>\$ 1,858,638</u>

Mass General Brigham Incorporated and Affiliates

Notes to Consolidated Financial Statements

September 30, 2021 and 2020

(in thousands of dollars)

In addition to charity care and inadequate funding from the Medicaid and Medicare programs, there are significant losses related to self-pay patients who fail to make payment for services rendered or insured patients who fail to remit co-payments and deductibles as required under the applicable health insurance arrangement. The estimated cost of providing these services was approximately \$66,215 and \$65,171 for 2021 and 2020, respectively.

2. Summary of Significant Accounting Policies

Basis of Accounting

The accompanying consolidated financial statements have been prepared on the accrual basis of accounting and include the accounts of the Company and its affiliates. Significant interaffiliate accounts and transactions have been eliminated.

Use of Estimates

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates. Significant estimates are made in the areas of patient accounts receivable, research grants receivable, investments, receivables and accrual for settlements with third-party payers, accrued medical claims and related expenses, accrued employee compensation and benefits, accrued professional liability, interest rate swaps liability and accrued other.

Income Taxes

The Company and substantially all of its affiliates are tax-exempt organizations under Sections 501(c)(3) or 501(c)(4) of the Internal Revenue Code (IRC) or are disregarded entities for tax purposes.

In December 2017, the U.S. Government enacted comprehensive tax legislation commonly referred to as the Tax Cuts and Jobs Act (Tax Act). The Tax Act, effective in phases beginning in 2018, made broad and complex changes to the U.S. tax code. Beginning in 2018, the Tax Act required us to consider certain transportation fringe benefits provided to employees as unrelated business taxable income (UBTI). In addition, beginning in 2019, we were required to determine unrelated business income or loss on an activity-by-activity basis. In December of 2019, the provision of the Tax Act that considered certain transportation fringe benefits provided to employees as UBTI was repealed retroactive to its enactment. As a result, we filed amended tax returns to refund the taxes paid relative to this provision.

Total income tax credit of \$5,357 and \$6,666 was recognized for the years ended September 30, 2021 and 2020, respectively.

Mass General Brigham Incorporated and Affiliates

Notes to Consolidated Financial Statements

September 30, 2021 and 2020

(in thousands of dollars)

Fair Value of Financial Instruments

The fair value of financial instruments approximates the carrying amount reported in the consolidated balance sheets for cash and equivalents, investments and investments limited as to use, patient accounts receivable, research grants receivable, accounts payable and accrued expenses and interest rate swaps liability.

Cash and Equivalents

Cash and equivalents represent cash, registered money market funds and highly liquid debt instruments with a maturity at the date of purchase of three months or less. Our cash and equivalents are maintained with several national banks, and cash deposits typically exceed federal insurance limits. Our policy is to monitor these banks' financial strength on an ongoing basis, and no losses have been experienced to date.

Investments

Investments in equity securities with readily determinable fair values, debt securities and alternative investments are measured at fair value. Alternative investments, consisting of various hedge funds, private equity funds, private debt funds, other private partnerships and restricted securities of public companies that are not traded on a national securities exchange, are valued based on amounts reported by the fund manager and evaluated by management. Investments in securities sold short or traded on a national securities exchange are valued based on quoted market prices.

Income from investments (including realized gains and losses, unrealized change in value of investments, interest, dividends and endowment income distributions) is included in excess of revenues over expenses unless the income or loss is restricted by donor or law. Income from investments is reported net of investment-related expenses.

Each year as part of our endowment spending policy, we establish a fixed distribution rate for spending. Distributions will come from either income and/or net accumulated appreciation.

Investments Limited as to Use

Investments limited as to use primarily include assets whose use is contractually limited by external parties as well as assets set aside by the boards (or management) for identified purposes and over which the boards (or management) retain control such that the boards (or management) may, at their discretion, subsequently use such assets for other purposes. Certain investments corresponding to deferred compensation are accounted for such that all income and appreciation (depreciation) is recorded as a direct addition (reduction) to the asset and corresponding liability.

Derivative Instruments

Derivatives are recognized on the balance sheet at fair value with changes in the fair value recorded in excess of revenues over expenses.

Mass General Brigham Incorporated and Affiliates

Notes to Consolidated Financial Statements

September 30, 2021 and 2020

(in thousands of dollars)

Patient Accounts Receivable

The payments received for healthcare services rendered from federal and state agencies (under the Medicare and Medicaid programs), managed care payers, commercial insurance companies and patients are subject to explicit and implicit discounts. These discounts are based on contractual agreements, discount policies and management's assessment of historical experiences and are reflected in the period of service.

Research Grants Receivable

Mass General Brigham receives direct and pass through research funding from the National Institutes for Health and other federal agencies, industry, corporate, foundation non-profits and other sponsors. Research grants receivable include amounts due from these sponsors of externally funded research. These amounts have been billed or are billable to the sponsor, or in limited circumstances, represent accelerated spending in anticipation of future funding. Research grants receivable are recognized at net realizable value.

As of September 30, 2021, and 2020, we have approximately \$4,066,168 and \$4,075,000, respectively, of conditional research grants for future research to be performed. The timing and amounts of funds received under such grants are subject to continued government funding and may change over time.

Other Current Assets

Other current assets include prepaid expenses, inventory, nonpatient receivables, current portion of receivable for settlements with third-party payers, current portion of pledges receivable and premiums receivable. Inventory (primarily supplies and pharmaceuticals) is accounted for on a first-in, first-out method basis and is recorded at the lower of average weighted cost or net realizable value.

Property and Equipment

Property and equipment is reported on the basis of cost less accumulated depreciation. Donated items are recorded at fair value at the date of contribution. All research grants received for capital are recorded in the year of expenditure as a change in unrestricted net assets. Property and equipment is reviewed for impairment whenever events or changes in circumstances indicate that its carrying amount may not be recoverable. Depreciation of property and equipment is calculated by use of the straight-line method at rates intended to depreciate the cost of assets over their estimated useful lives, which generally range from three to fifty years. Interest costs incurred on borrowed funds during the period of construction of capital assets are capitalized, net of any interest earned, as a component of the cost of acquiring those assets.

Asset Retirement Obligations

Asset retirement obligations, reported in accrued other, are legal obligations associated with the retirement of long-lived assets. These liabilities are initially recorded at fair value and the related asset retirement costs are capitalized by increasing the carrying amount of the related assets by the same amount as the liability. Asset retirement costs are subsequently depreciated over the useful lives of the related assets. Any changes to the liability due either to the passage of time, better information or the settlement of an obligation are reflected in the current period.

Mass General Brigham Incorporated and Affiliates

Notes to Consolidated Financial Statements

September 30, 2021 and 2020

(in thousands of dollars)

Other Assets

Other assets consist of long-term receivables, intangible assets, malpractice insurance receivables, receivable for settlements with third-party payers, investments in healthcare related limited partnerships and long-term pledges and contributions receivable. The carrying value of other assets is evaluated for impairment if the facts and circumstances suggest that the carrying value may not be recoverable.

Compensated Absences

In accordance with formal policies concerning vacation and other compensated absences, accruals of \$413,304 and \$375,627 were recorded as of September 30, 2021 and 2020, respectively.

Unexpended Funds on Research Grants

Research grants received in advance of corresponding grant expenditures are accounted for as a direct addition to investments limited as to use and unexpended funds on research grants.

Self-Insurance Reserves

We are generally self-insured for employee healthcare, disability, workers' compensation and certain other employee benefits. These costs are accounted for on an accrual basis to include estimates of future payments for claims incurred prior to year-end.

Net Assets

Donor restricted net assets include (a) the historical dollar amounts of contributions and the income and gains on such contributions which are required by donors to be retained and (b) contributions and the income and gains on these contributions which can be expended but for which restrictions have not yet been met. Such restrictions include purpose restrictions where donors have specified the purpose for which the net assets are to be spent, or time restrictions imposed by donors or implied by the nature of the contribution (capital projects, pledges to be paid in the future and life income funds) or by interpretations of law (gains available for appropriation but not appropriated in the current period). All remaining net assets are considered unrestricted.

Realized gains and losses are classified as unrestricted net assets unless they are restricted by the donor or law. Realized gains and net unrealized appreciation on donor restricted contributions are classified as donor restricted until appropriated for spending in accordance with policies established by Mass General Brigham and applicable provisions of the Uniform Prudent Management of Institutional Funds Acts (UPMIFA). Net losses on donor restricted endowment funds are classified as a reduction to donor restricted net assets.

Contributed Securities

Our policy is to sell securities contributed by donors upon receipt, unless prevented from doing so by donor request. For the years ended September 30, 2021 and 2020, contributed securities of \$53,872 and \$80,461, respectively, were received and liquidated. Donors restricted \$25,536 and \$10,787 of the proceeds received from the sale of these contributed securities for long-term purpose for the years ended September 30, 2021 and 2020, respectively.

Mass General Brigham Incorporated and Affiliates

Notes to Consolidated Financial Statements

September 30, 2021 and 2020

(in thousands of dollars)

Statement of Operations

Activities deemed by management to be ongoing, major and central to the provision of healthcare services, teaching, research activities and health insurance are reported as operating revenues and expenses. Other activities are deemed to be nonoperating and include unrestricted contributions (net of fundraising expenses), external community benefit program support, net change in unexpended academic and research contributions, change in fair value of interest rate swaps, substantially all income (loss) from investments, interest on advanced borrowings and nonservice related pension income. Academic and research contributions largely consist of donor contributions (and the related investment income including realized gains and losses) designated to support the clinical, teaching or research efforts of a physician or department as directed by the donor. These contributions are reported as unrestricted, net of related support expenses, when donor restrictions are of a general nature that are inherent in the normal activities of the organization.

The consolidated statements of operations include excess of revenues over expenses. Changes in unrestricted net assets, which are excluded from excess of revenues over expenses, include contributions of long-lived assets (including assets acquired using contributions which by donor restriction were to be used for acquisition of such assets), change in funded status of defined benefit plans.

Revenues

To determine the appropriate revenue recognition policy, we first assess whether the transaction is an exchange or nonexchange transaction in accordance with accounting guidance. In general, an exchange transaction consists of an exchange of goods and/or services for commensurate value. Transactions that consist of transferring goods and/or services without receiving commensurate value in return are considered nonexchange transactions.

For exchange transactions, revenue is recognized as goods and/or services are provided and is based on the amount expected to be received in exchange for those goods and/or services. Revenue recognized as exchange transactions include net patient service revenue, premium revenue and other revenue.

Nonexchange transactions include contributions and grants for which the service provider does not receive commensurate value in return for the funding.

Contributions

Contributions are reported as other nonoperating gains in the consolidated statements of operations. Unconditional promises to give cash and other assets are reported at fair value at the date the promise is received. Conditional promises to give are recognized when the conditions are substantially met. Contributions are reported as donor restricted support if they are received with donor stipulations that limit the use of the donated assets. Donor restricted contributions whose restrictions are met within the same year as received are reported as unrestricted contributions in the consolidated statements of operations.

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Contributions of long-lived assets with explicit restrictions that specify use of assets and contributions of cash or other assets that must be used to acquire long-lived assets are reported as additions to donor restricted net assets if the assets are not placed in service during the year.

Grants

Grants and contracts normally provide for the recovery of direct and indirect costs, subject to audit. Revenue associated with direct and indirect costs is recognized as direct costs are incurred. The recovery of indirect costs is based on predetermined rates for U.S. Government grants and contracts and negotiated rates for other grants and contracts.

Medical Claims and Related Expenses

AllWays Health contracts with various hospitals, community health centers, primary care and specialty physician practices and other health care providers for the delivery of services to its members and compensates these providers on a capitated, fee-for-service, per diem or diagnosis-related group basis.

The cost of contracted health care services is accrued in the period in which services are provided and include certain estimated amounts. The estimated liability for medical claims and related expenses is actuarially determined based on analysis of historical claims-paid experience, modified for changes in enrollment, inflation and benefit coverage. The liability for medical claims and related expenses represents the anticipated cost of claims incurred but unpaid at the balance sheet date. Estimates for claims expense may be more or less than the amounts ultimately paid when claims are settled. Such changes in estimates are reflected in the current period in the consolidated statements of operations.

In the normal course of business, overpayments are recouped through reductions in future payments made to hospitals and other providers. Such overpayments are the result of, among other things, coordination of benefits and provider claim audits. For the years ended September 30, 2021 and 2020, we recorded a reduction in medical claims expense of \$28,998 and \$19,968, respectively, for such overpayments. As of September 30, 2021 and 2020, respectively, approximately \$2,881 and \$1,629 are recorded as receivables related to such overpayments.

Reinsurance

Reinsurance premiums are reported in medical claims and related expenses and reinsurance recoveries are reported as reductions in medical claims and related expenses.

Settlements

AllWays Health contracts with certain providers at negotiated rates based on historical and anticipated experience. These methods of reimbursement result in settlements based on actual versus anticipated experience which could result in payments due from (to) these providers. Settlements receivable of \$4,446 and \$5,514 were recorded in other current assets as of September 30, 2021 and 2020, respectively. Settlements payable of \$1,223 and \$2,921 were recorded in accrued medical claims and related expenses as of September 30, 2021 and 2020, respectively. The settlements are intended to include both reported and unreported incurred claims as of September 30, 2021 and 2020.

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In 2014, the Affordable Care Act introduced new settlements related to a risk adjustment program, a risk corridor program and a reinsurance program designed to mitigate the transitional impact on insurers for new members. The risk corridor program and reinsurance program ended on December 31, 2016 in accordance with the provision of the Affordable Care Act. Our estimated net receivable due from the federal government for these programs was \$67,263 and \$65,753 at September 30, 2021 and 2020, respectively. Similar to the federal program, the Executive Office of Health and Human Services of the Commonwealth (EOHHS) has a risk corridor program, and our estimated net payable due to EOHHS was \$14,540 and \$2,186 as of September 30, 2021 and 2020, respectively.

Premium Deficiency Reserves

Premium deficiency reserves are assessed and recognized on a product line basis based upon expected premium revenue, medical expense and administrative expense levels, and remaining contractual obligations using historical experience. There were no premium deficiency reserves as of September 30, 2021 or 2020.

Claims Adjustment Expenses

Claims adjustment expenses (CAE) are those costs expected to be incurred in connection with the adjustment and recording of health claims. We have recorded an estimate of unpaid CAE associated with incurred but unpaid claims, which is included in medical claims and related expenses in the accompanying consolidated statements of operations. Management believes the amount of the liability for unpaid CAE as of September 30, 2021, is adequate to cover the cost for the adjustment and recording of unpaid claims; however, actual expenses may differ from those established estimates. Adjustments to the estimates for unpaid CAE are reflected in operating results in the period in which the change in estimate is identified.

3. Pandemic

On March 11, 2020, the World Health Organization designated COVID-19 as a global pandemic resulting in an extraordinary impact to patient activity in 2020. Federal and state policies, including declarations of a state of emergency by the governors of Massachusetts and New Hampshire on March 10 and March 27, respectively, were enacted to help contain the spread of COVID-19. Beginning on March 18, 2020, our Massachusetts facilities were prohibited from performing nonessential elective procedures. On June 8, 2020, Massachusetts entered phase two of its reopening plan, which permitted our Massachusetts facilities to provide in-person care for certain routine services. Our New Hampshire facilities generally followed a similar timeline.

In response to COVID-19, the Coronavirus Aid Relief and Economic Security (CARES) Act was enacted which provided different types of economic support to a wide variety of companies and individuals. Mass General Brigham employed several CARES Act provisions, with the most significant impacts summarized below.

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Medicare Accelerated Payments (MAP)

As of September 30, 2020, we received approximately \$1,018,093 in MAP funding which was recorded in accounts payable and accrued expenses as of September 30, 2020. Medicare started to recoup these payments beginning in April 2021 based upon the terms and conditions of this program and most will be recouped by the end of fiscal year 2022. As of September 30, 2021, we had \$724,469 in MAP funding recorded in accounts payable and accrued expenses.

Deferred Payment of Employer Payroll Taxes

As of September 30, 2021 and 2020, we have accumulated \$239,466 and \$165,088, respectively, of deferred employer payroll taxes within accrued employee compensation and benefits. The CARES Act allows for deferred payments of only the employer share of payroll taxes through December 31, 2020 and requires payment of 50% of these deferred taxes by December 31, 2021 and 50% by December 31, 2022.

Provider Relief Funds (PRF)

For the year ended September 30, 2021 and 2020, we recognized approximately \$232,063 and \$546,373, respectively, of permanent grants from the PRF within other operating revenue. PRF were used to prevent, prepare for and respond to COVID-19. Based on our interpretation of available information as of September 30, 2021 and 2020, we have deferred \$86,487 and \$51,759, respectively, of PRF we received. These estimates could change as additional guidance becomes available.

4. Operating Revenues

Net Patient Service Revenue

Mass General Brigham's providers maintain agreements with The Centers for Medicare and Medicaid Services under the Medicare program, the Commonwealth under the Medicaid program and various managed care payers that govern payment for services rendered to patients covered by these agreements. The agreements generally provide for per case or per diem rates or payments based on discounted charges for inpatient care and discounted charges or fee schedules for outpatient care. Certain contracts also provide for payments that are contingent upon meeting agreed upon quality and efficiency measures.

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We recognize net patient service revenue for services provided to patients who have third-party payer coverage based on contractual rates for the services rendered. For uninsured patients that do not qualify for charity care, we recognize revenue based on our standard rates (subject to discounts) for services provided. Based on our historical experience, a significant portion of uninsured patients are unable or fail to pay for the services provided. Consequently, we have provided implicit discounts to uninsured patients. These discounts represent the difference between amounts billed to patients and amounts expected to be collected based on historical experience. The following summarizes net patient service revenue, net of contractual adjustments and discounts by significant payer:

	Years Ended September 30,			
	2021		2020	
Net patient service revenue (net of contractual adjustments and discounts)				
Medicare	\$ 2,614,786	23.0%	\$ 2,348,346	24.5%
Medicare managed care	696,301	6.1%	451,970	4.7%
Medicaid	698,353	6.1%	644,897	6.7%
Medicaid managed care	235,165	2.1%	150,968	1.6%
Massachusetts managed care organizations	4,192,422	36.6%	3,579,093	37.2%
Other commercial	2,310,323	20.2%	1,999,249	20.8%
All others	684,905	5.9%	434,673	4.5%
Total all payers	<u>\$ 11,432,255</u>	<u>100.0%</u>	<u>\$ 9,609,196</u>	<u>100.0%</u>

Net patient service revenue includes estimated retroactive revenue adjustments due to future audits, reviews and investigations. Retroactive adjustments are considered in the recognition of revenue on an estimated basis in the period the related services are rendered, and such amounts are adjusted in future periods as adjustments become known or as years are no longer subject to such audits, reviews and investigations. Contracts, laws and regulations governing the Medicare, Medicaid and charity care programs and managed care payer arrangements are complex and subject to interpretation. As a result, there is at least a reasonable possibility that recorded estimates will change by a material amount in the near term. A portion of the accrual for settlements with third-party payers has been classified as long-term because such amounts, by their nature or by virtue of regulation or legislation, will not be paid within one year.

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Third-party payers (accrual) receivable consists of the following:

		<u>Balance Sheet Classification</u>	<u>September 30,</u>	
			<u>2021</u>	<u>2020</u>
Current portion				
Receivable for settlements with third-party payers	Other current assets		\$ 104,874	\$ 70,633
Accrual for settlements with third-party payers	Accounts payable and accrued expenses		(785,917)	(1,080,524)
			<u>(681,043)</u>	<u>(1,009,891)</u>
Long-term portion				
Receivable for settlements with third-party payers	Other assets		4,315	15,340
Accrual for settlements with third-party payers	Accrued Other		(28,162)	(33,291)
			<u>(23,847)</u>	<u>(17,951)</u>
			<u>\$ (704,890)</u>	<u>\$ (1,027,842)</u>

We recognize changes in third-party payer settlements and other estimates in the year of the change in estimate. For the years ended September 30, 2021 and 2020, adjustments to prior year estimates resulted in an increase to income from operations of \$48,818 and \$28,474, respectively. Subsequent changes to estimated discounts are generally recorded as adjustments to net patient service revenue in the period of change.

We provide either full or partial charity care to patients who cannot afford to pay for their medical services based on income and family size. Charity care is generally available to qualifying patients for medically necessary services. We report certain bad debts related to emergency services as charity care. As there is no expectation of collection, there is no net patient service revenue recorded related to charity care.

Premium Revenue

Premiums are due monthly and are recorded as earned during the period in which members are eligible to receive services. Premiums received prior to the first day of the coverage period are recorded as unearned premiums in accounts payable and accrued expenses.

Academic and Research Revenue

Academic and research revenue is recognized as either an exchange or nonexchange transaction, depending on the contract type. The following table sets forth total academic and research revenue received by funding source:

		<u>Years Ended September 30,</u>			
		<u>2021</u>		<u>2020</u>	
National Institute of Health and other federal agencies	\$ 998,423	43.8%	\$ 873,811	42.4%	
Federal subcontracts	230,702	10.1%	188,050	9.1%	
Industry/Corporate	198,651	8.8%	159,593	7.8%	
Foundations/non-profits and other sponsors	<u>625,795</u>	27.5%	<u>589,261</u>	28.6%	
Total research revenue	<u>2,053,571</u>		<u>1,810,715</u>		
Academic revenue	<u>223,373</u>	9.8%	<u>249,670</u>	12.1%	
Total academic and research revenue	<u>\$ 2,276,944</u>	100.0%	<u>\$ 2,060,385</u>	100.0%	

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Other Revenue

Other revenue includes all other operating revenue sources, the most significant being the following:

	Years Ended September 30,	
	2021	2020
Provider relief funds (CARES)	\$ 232,063	\$ 546,373
Specialty and retail pharmacy operations	457,750	298,070
Intellectual property and royalties	23,314	92,301
Parking and office rentals	63,197	59,770
Tuition	64,480	59,216
Outsourced services	45,423	36,832
Cafeteria sales	25,356	27,959
Contract administrative fees	34,220	32,432
Blood factor sales	37,467	26,071
Accountable care organization administration fees	37,104	23,706
Consulting services	13,028	15,096
International contracts	7,421	18,971
Investment income	10,909	13,716
Other	325,060	308,342
Total other revenue	<u>\$ 1,376,792</u>	<u>\$ 1,558,855</u>

5. Liquidity and Availability

Cash and investments are managed centrally under policies developed by the Investment Committee and reviewed by the Finance Committee of the Company's Board of Directors. Wherever possible, funds are commingled and are assigned to one of three investment pools (the Money Market Pool, the Aggregate Bond Pool and the Long-Term Pool, collectively, the Pools) which have been structured to provide a range of investment objectives, risk profiles and rates of return appropriate for our assets. Funds are allocated among the Pools based on expected liquidity needs as determined by multi-year financial plans, restrictions and management judgment.

The tiered time horizon structure of the Pools is designed to meet anticipated and contingent liquidity needs. The following tables set forth the periods within which funds are available to meet liquidity needs and, based on redemption provisions with investment managers, the specific Pools from which such funds would be drawn as of:

Investment Pool	September 30, 2021						
	Same Day	1 Week	1 Month	3 Months	1 Year	> 1 Year	Total
Money market	\$ 387,288	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 387,288
Aggregate bond	1,798,123	348,702	-	-	-	-	2,146,825
Long-term	155,521	1,602,470	1,147,679	4,284,623	1,542,435	5,933,595	14,666,323
Total	<u>\$ 2,340,932</u>	<u>\$ 1,951,172</u>	<u>\$ 1,147,679</u>	<u>\$ 4,284,623</u>	<u>\$ 1,542,435</u>	<u>\$ 5,933,595</u>	<u>\$ 17,200,436</u>
Cumulative total	\$ 2,340,932	\$ 4,292,104	\$ 5,439,783	\$ 9,724,406	\$ 11,266,841	\$ 17,200,436	

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Investment Pool	September 30, 2020							Total
	Same Day	1 Week	1 Month	3 Months	1 Year	> 1 Year		
Money market	\$ 2,278,647	\$ -	\$ 29,985	\$ -	\$ -	\$ -	\$ 2,308,632	
Aggregate bond	550,234	71,194	-	-	-	-	621,428	
Long-term	1,559,655	524,340	1,729,144	1,995,487	1,463,834	3,791,263	11,063,723	
Total	<u>\$ 4,388,536</u>	<u>\$ 595,534</u>	<u>\$ 1,759,129</u>	<u>\$ 1,995,487</u>	<u>\$ 1,463,834</u>	<u>\$ 3,791,263</u>	<u>\$ 13,993,783</u>	
Cumulative total	\$ 4,388,536	\$ 4,984,070	\$ 6,743,199	\$ 8,738,686	\$ 10,202,520	\$ 13,993,783		

The market value of the Aggregate Bond Pool consisted of the following:

	September 30,	
	2021	2020
Short-term investments and U.S. Treasuries	\$ 424,763	\$ 317,812
Separately managed mortgage and asset-backed securities and corporate bonds	160,291	169,060
Commingled fixed income vehicles	1,561,771	134,556
Total of Aggregate Bond Pool	<u>\$ 2,146,825</u>	<u>\$ 621,428</u>

As of September 30, 2021 and 2020, we had cash and equivalents not included in the Pools of \$97,955 and \$79,817, respectively. As of September 30, 2021 and 2020, we had net patient accounts receivable of \$1,332,404 and \$983,273, respectively, that would be available for general expenditures within one year of the balance sheet dates.

In addition, we maintain two lines of credit aggregating \$375,000 as well as a \$500,000 Taxable Commercial Paper program that provide access to same day funds.

6. Investments and Investments Limited as to Use

Investments are either invested in the Pools or separately managed. Substantially all affiliates participate in the Pools. Their respective ownership interests are tracked and updated monthly and are accounted for using the fair value method. Income (including realized gains and losses) from the Pools is allocated to each participant on a monthly basis based on its proportionate interest in the Pools.

Oversight of the management of the investable assets, including the Pools and pension assets, is provided by the Investment Committee of the Company's Board of Directors which seeks to achieve incremental returns by manager selection and asset allocation (increasing/decreasing allocations within allowable ranges based on current and projected valuations). The Committee is supported by a professional staff, an outside investment consultant and a pension actuarial consultant.

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We utilize a target allocation policy and balance projected returns, correlation and volatility of various asset classes within the overall risk tolerance. Asset allocations are managed based on relative valuations among and within asset classes and the perceived ability of managers to outperform passive benchmarks. Exposure by asset class is the sum of allocation to those managers whose mandates most closely fit the listed asset classes. Asset allocation can and will deviate from target exposures and is regularly monitored for rebalancing.

The Pools invest in a variety of assets which include private partnerships whose assets include equity, fixed income and other investments. As of September 30, 2021, the Pools have unfunded commitments of approximately \$1,568,882 which will be drawn down by the various general partners over the next several years. The maximum annual drawdown is expected to be 3% to 5% of investments and investments limited as to use.

Investments and investments limited as to use are recorded in the balance sheet as follows:

	September 30,	
	2021	2020
Current assets		
Investments	\$ 3,395,005	\$ 1,142,275
Current portion of investments limited as to use	<u>5,637,637</u>	<u>4,424,436</u>
	9,032,642	5,566,711
Long-term assets		
Investments limited as to use, less current portion	6,202,723	5,168,054
Long-term investments	<u>2,950,684</u>	<u>2,179,220</u>
	<u>\$ 18,186,049</u>	<u>\$ 12,913,985</u>

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Investments limited as to use consist of the following:

	September 30, 2021		September 30, 2020	
	Current Portion	Long-Term Portion	Current Portion	Long-Term Portion
Internally designated funds				
Reserved for capital expenditures	\$ 1,414,284	\$ -	\$ 1,025,715	\$ -
Unexpended academic and research gifts	-	5,031,167	-	3,989,810
Deferred compensation	-	593,834	-	474,875
Other	3,693,511	531,205	2,721,020	666,489
	<u>5,107,795</u>	<u>6,156,206</u>	<u>3,746,735</u>	<u>5,131,174</u>
Externally limited funds				
Unexpended funds on research	345,403	-	367,858	-
Contributions held for others	2,864	-	1,742	-
Professional liability trust fund	-	46,517	-	36,880
Held by trustees under debt and other agreements	181,575	-	308,101	-
	<u>529,842</u>	<u>46,517</u>	<u>677,701</u>	<u>36,880</u>
	<u>\$ 5,637,637</u>	<u>\$ 6,202,723</u>	<u>\$ 4,424,436</u>	<u>\$ 5,168,054</u>

Investment activity included in excess of revenues over expenses consists of the following:

	Years Ended September 30,	
	2021	2020
Investment income included in operations and reported in other revenue	\$ 10,909	\$ 13,716
Investment income included in nonoperating gains and reported in		
Income from investments		
Net realized gains on investments	303,166	212,690
Change in unrealized appreciation of investments	2,036,541	399,665
Academic and research gifts, net of expenses	<u>251,297</u>	<u>217,531</u>
Total investment activity included in excess of revenues over expenses	<u>\$ 2,601,913</u>	<u>\$ 843,602</u>

7. Fair Value Measurements

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 (also referred to as exit price). Therefore, a fair value measurement should be determined based on the assumptions that market participants would use in pricing the asset or liability. In determining fair value, the use of various valuation approaches, including market, income and cost approaches, is permitted.

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Fair Value Hierarchy

A fair value hierarchy has been established based on whether the inputs to valuation techniques are observable or unobservable. Observable inputs reflect market data obtained from independent sources, while unobservable inputs reflect the reporting entity's assumptions about the inputs market participants would use. The fair value hierarchy requires the reporting entity to maximize the use of observable inputs and minimize the use of unobservable inputs when measuring fair value. In addition, for hierarchy classification purposes, the reporting entity should not look through the form of an investment to the nature of the underlying securities held by an investee.

The hierarchy is described below.

- Level 1 Valuations using quoted prices in active markets for identical assets or liabilities. Valuations of these products do not require a significant degree of judgment. Level 1 assets and liabilities primarily include debt and equity securities that are traded in an active exchange market.
- Level 2 Valuations using observable inputs other than Level 1 prices such as quoted prices in active markets for similar assets or liabilities; quoted prices for identical or similar assets or liabilities in markets that are not active; broker or dealer quotations; 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 2 assets and liabilities primarily include debt securities with quoted prices that are traded less frequently than exchange-traded instruments as well as debt securities and derivative contracts whose value is determined using a pricing model with inputs that are observable in the market or can be derived principally from or corroborated by observable market data.
- Level 3 Valuations using unobservable inputs that are supported by little or no market activity and are significant to the fair value of the assets or liabilities. Level 3 includes assets and liabilities whose value is determined using pricing models, discounted cash flow methodologies, or similar techniques reflecting the reporting entity's assumptions about the assumptions market participants would use as well as those requiring significant management judgment.

Valuation Techniques

Pooled investments, separately invested short-term investments and debt and equity securities are classified within Level 1 or Level 2 of the fair value hierarchy as they are valued using quoted market prices, broker or dealer quotations, or other observable pricing sources. Certain types of investments are classified within Level 3 of the fair value hierarchy because they have little or no market activity and therefore have little or no observable inputs with which to measure fair value.

The valuation of interest rate swaps is determined using widely accepted valuation techniques, including discounted cash flow analysis on the expected cash flows of each derivative. This analysis reflects the contractual terms of the derivatives, including the period to maturity, and uses observable market-based inputs, including interest rate curves and implied volatilities.

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The following tables summarize financial assets and liabilities measured at fair value on a recurring basis as of:

	September 30, 2021				Total
	Fair Value Measurements Using				
	Quoted Prices in Active Markets for Identical Items (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)	Investments Valued Using NAV as a Practical Expedient	
Assets					
Pooled investments					
Short-term investments	\$ 485,457	\$ -	\$ -	\$ -	\$ 485,457
Separately managed investments	1,263,270	384,995	-	-	1,648,265
Mutual funds	1,561,770	-	-	-	1,561,770
Private partnerships, commingled funds and other	-	-	-	13,504,944	13,504,944
	<u>3,310,497</u>	<u>384,995</u>	<u>-</u>	<u>13,504,944</u>	<u>17,200,436</u>
Separately invested					
Short-term investments	41,339	-	-	-	41,339
Equities	38,045	-	-	-	38,045
Mutual funds	675,726	126,407	-	-	802,133
Beneficial interests in perpetual assets	-	-	61,316	-	61,316
	<u>755,110</u>	<u>126,407</u>	<u>61,316</u>	<u>-</u>	<u>942,833</u>
	<u>\$ 4,065,607</u>	<u>\$ 511,402</u>	<u>\$ 61,316</u>	<u>\$ 13,504,944</u>	<u>\$ 18,143,269</u>
Interest rate swaps					
Liabilities		<u>\$ (472,011)</u>			<u>\$ (472,011)</u>

	September 30, 2020				Total
	Fair Value Measurements Using				
	Quoted Prices in Active Markets for Identical Items (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)	Investments Valued Using NAV as a Practical Expedient	
Assets					
Pooled investments					
Short-term investments	\$ 1,628,674	\$ 679,958	\$ -	\$ -	\$ 2,308,632
Separately managed investments	1,693,788	732,375	-	-	2,426,163
Mutual funds	134,555	-	-	-	134,555
Commingled funds	-	1,164,116	-	-	1,164,116
Private partnerships and other	-	-	-	7,960,317	7,960,317
	<u>3,457,017</u>	<u>2,576,449</u>	<u>-</u>	<u>7,960,317</u>	<u>13,993,783</u>
Separately invested					
Short-term investments	103,865	-	-	-	103,865
Equities	66,803	-	-	-	66,803
Mutual funds	532,755	130,690	-	-	663,445
Beneficial interests in perpetual assets	-	-	52,864	-	52,864
	<u>703,423</u>	<u>130,690</u>	<u>52,864</u>	<u>-</u>	<u>886,977</u>
	<u>\$ 4,160,440</u>	<u>\$ 2,707,139</u>	<u>\$ 52,864</u>	<u>\$ 7,960,317</u>	<u>\$ 14,880,760</u>
Interest rate swaps					
Liabilities		<u>\$ (662,384)</u>			<u>\$ (662,384)</u>

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8. Pledges and Contributions Receivable

Pledges receivable represent unconditional promises to give and are net of allowances for uncollectible amounts. Pledges are recorded at the present value of their estimated future cash flows. Pledges collectible within one year are classified as other current assets, net of allowances, and total \$125,756 and \$101,517 as of September 30, 2021 and 2020, respectively. Estimated cash flows due after one year are discounted using published treasury bond and note yields that are commensurate with estimated collection risks. The blended discount rate was 0.6% and 0.2% for 2021 and 2020, respectively. Pledges are expected to be collected as follows:

	September 30,	
	2021	2020
Amounts due		
Within one year	\$ 153,120	\$ 128,375
In one to five years	170,934	151,247
In more than five years	69,461	51,820
Total pledges receivable	<u>393,515</u>	<u>331,442</u>
Less: Unamortized discount	5,700	1,401
	<u>387,815</u>	<u>330,041</u>
Less: Allowance for uncollectibles	32,035	31,473
Net pledges receivable	<u>355,780</u>	<u>298,568</u>
Contributions receivable from trusts	66,477	59,294
	<u>\$ 422,257</u>	<u>\$ 357,862</u>

9. Property and Equipment

Property and equipment consists of the following:

	September 30,	
	2021	2020
Land and land improvements	\$ 356,271	\$ 353,815
Buildings and building improvements	8,990,955	8,768,567
Equipment	2,868,709	2,858,382
Construction in progress	388,724	343,874
Finance right-of-use lease assets	70,350	1,992
	<u>12,675,009</u>	<u>12,326,630</u>
Less: Accumulated depreciation	6,413,282	5,915,513
Property and equipment, net	<u>\$ 6,261,727</u>	<u>\$ 6,411,117</u>

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Depreciation expense for the years ended September 30, 2021 and 2020 was \$721,199 and \$710,684, respectively. Interest costs, net of interest earned, aggregating \$1,257 and \$1,581 were capitalized in 2021 and 2020, respectively.

For the years ended September 30, 2021 and 2020, fully depreciated assets with an original cost of \$223,430 and \$433,402, respectively, were written off.

10. Levels of Capital and Surplus

Risk-based capital (RBC) is a methodology adopted by the National Association of Insurance Commissioners for determining the minimum level of capital and surplus deemed necessary for an insurer based upon the types of assets held and business written. The Company has guaranteed to the Massachusetts Division of Insurance (DOI) (the RBC Guaranty) to maintain AllWays Health's capital and surplus at a specified minimum level, measured quarterly in accordance with an RBC methodology permitted by DOI. The RBC Guaranty may be enforced by the DOI. In 2021 and 2020, AllWays Health returned capital of \$0 and \$50,000, respectively, to the Company. AllWays Health's current contract with EOHHS requires AllWays Health to maintain a minimum net worth and/or financial insolvency insurance in an amount equal to the Minimum Net Worth calculation as defined in Massachusetts General Law 176G, Section 25. At December 31, 2020 and 2019 (AllWays Health's statutory year end), the minimum net worth requirement, as determined in accordance with EOHHS guidelines, was \$43,702 and \$40,527, respectively. AllWays Health's statutory net worth was \$155,918 and \$160,753 at December 31, 2020 and 2019, respectively, and thus exceeded the EOHHS requirements by \$112,216 and \$120,226, respectively.

11. Accrued Medical Claims and Related Expenses

Accrued medical claims and related expenses include estimates of expected trends in claims severity, frequency, and other factors, which could vary as the claims are ultimately settled and are based principally upon historical experience. For the years ended September 30, 2021 and 2020, changes in estimates resulted in an increase (decrease) of accrued medical claims and related expense of (\$25,613) and \$3,874 respectively. Increases (decreases) of this nature occur as the result of claim settlements and recoveries during the current year and as additional information is received regarding individual claims, causing changes from the original estimates of the cost of these claims. Ongoing analysis of the recent loss development trends is also taken into account in evaluating the overall adequacy of the reserves.

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Changes in accrued medical claims and related expenses are as follows:

	2021	2020
Balance at beginning of year	\$ 84,638	\$ 57,550
Less:		
Accrual for claims adjustment expenses	(13,609)	(3,040)
Accrued medical payables - other	(1,475)	(1,154)
Plus: Settlements payable, net	<u>67,491</u>	<u>35,610</u>
Net balance at beginning of year	<u>137,045</u>	<u>88,966</u>
Incurred related to		
Current year	671,127	606,436
Prior years	<u>(25,613)</u>	<u>3,874</u>
Total incurred	<u>645,514</u>	<u>610,310</u>
Paid related to		
Current year	592,738	497,575
Prior years	<u>59,728</u>	<u>64,656</u>
Total paid	<u>652,466</u>	<u>562,231</u>
Net balance at end of year	130,093	137,045
Plus:		
Accrual for claims adjustment expenses	1,602	1,475
Accrued medical payables - other	17,281	13,609
Less: Settlements payable, net	<u>(61,687)</u>	<u>(67,491)</u>
Balance at end of year	<u>\$ 87,289</u>	<u>\$ 84,638</u>

Medical claims and related expenses in the accompanying consolidated statements of operations include other nonclaims related costs. These nonclaims related expenses were for directly delivered services and medical cost risk sharing and incentives.

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12. Long-Term Obligations

Mass General Brigham's long-term obligations consist of the following:

	Final Maturity	September 30,	
		2021	2020
Massachusetts Health and Educational Facilities Authority Revenue Bonds			
Series 1997 P*, variable interest rate of 0.05% and 0.09%	2027	\$ 150,000	\$ 150,000
Series 2005 F*, variable interest rate of 0.08% and 0.29%	2040	227,950	229,650
Series 2007 G*, variable interest rate of 0.20% and 0.20%	2042	75,000	75,000
Series 2008 H*, variable interest rate of 0.08% and 0.19%	2042	162,590	165,195
Massachusetts Development Finance Agency (Agency) Revenue Bonds			
Series 2011 K*, average fixed interest rate of 4.76%, variable interest rate of 0.05% and 0.12%	2046	100,000	110,720
Series 2012 L*, average fixed interest rate of 4.49%	2023	8,635	15,770
Series 2014 M*, average fixed interest rate of 4.34%	2026	21,835	26,835
Series 2014 N*, variable interest rate of 0.69% and 0.68%	2044	127,950	129,650
Series 2015 O*, average fixed interest rate of 4.39%	2045	187,065	193,545
Series 2016 Q*, average fixed interest rate of 4.80%	2047	415,390	417,845
Series 2016 R*, variable interest rate of 0.63% and 0.67%	2052	100,000	100,000
Series 2017 S*, average fixed interest rate of 4.61%, variable interest rate of 0.52% and 0.59%	2047	907,630	940,130
Series 2019 T*, variable interest rate of 0.59% and 0.66%	2049	158,250	158,250
Series 2020 A*, average fixed interest rate of 4.84%	2050	294,195	304,885
New Hampshire Health and Education Facilities Authority Revenue Bonds			
Series 2017, average fixed interest rate of 5.00%	2041	92,840	95,160
MGB Taxable Debt			
Series 2007 Bonds, fixed interest rate of 6.26%	2037	100,000	100,000
2012 Senior Notes, fixed interest rate of 4.11%	2052	400,000	400,000
2014 Senior Notes, fixed interest rate of 4.73%	2044	150,000	150,000
Series 2015 Bonds, fixed interest rate of 4.12%	2055	300,000	300,000
2016 Senior Notes, fixed interest rate of 3.89%	2046	225,000	225,000
Series 2017 Bonds, fixed interest rate of 3.77%	2048	303,644	303,644
2018 Senior Notes, fixed interest rate of 4.60%	2049	400,000	400,000
Series 2020 Bonds, average fixed interest rate of 3.29%	2060	1,017,135	1,017,135
2020 Term Loan, fixed interest rate of 2.42%		-	150,000
Other obligations		6,574	7,388
Total long-term obligations, par value		5,931,683	6,165,802
Net unamortized bond premiums		277,409	290,870
Deferred financing costs		(24,867)	(26,211)
Total long-term obligations, net		6,184,225	6,430,461
Less:			
Current portion		381,987	436,166
Auction rate securities held		-	29,985
		<u>\$ 5,802,238</u>	<u>\$ 5,964,310</u>

* Denotes series is issued in multiple subseries

Variable interest rates are presented at September 30, 2021 and 2020, respectively

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As of September 30, 2021 and 2020, we held \$0 and \$29,985, respectively, of the Series 2005 F and Series 2007 G Revenue Bonds issued as auction rate securities. Although not legally extinguished, the bonds held by us have been reflected as extinguished under generally accepted accounting principles.

Scheduled maturities of long-term obligations (including the impact of net unamortized bond premiums and deferred financing costs) during the next five years and thereafter and other amounts classified as current liabilities, are as follows:

	Scheduled Maturities	Bonds Supported by Self Liquidity	Bonds Supported by Bank Facilities	Total
2022	\$ 103,222	\$ 210,015	\$ 68,750	\$ 381,987
2023	102,719	-	-	102,719
2024	105,782	-	-	105,782
2025	119,296	-	-	119,296
2026	67,436	-	-	67,436
Thereafter	5,407,005	-	-	5,407,005
	<u>\$ 5,905,460</u>	<u>\$ 210,015</u>	<u>\$ 68,750</u>	<u>\$ 6,184,225</u>

The scheduled maturities represent annual payments as required under debt repayment schedules. The current portion of long-term obligations includes the payments scheduled to be made in 2022, bonds supported by self-liquidity that can be tendered prior to September 30, 2022, and bonds supported by bank facilities with financial institutions (standby bond purchase agreements or letters of credit) that expire prior to September 30, 2022. The bonds supported by self-liquidity provide the bondholder with an option to tender the bonds to the Company. Accordingly, these bonds are classified as a current liability. The bonds supported by bank facilities provide the bondholder with an option to tender the bonds to the liquidity provider. Generally accepted accounting principles require bonds backed by bank facilities expiring within one year of the balance sheet date as well as potential principal amortization under bank facilities' term out provisions due within one year of the balance sheet date to be classified as a current liability.

If bonds supported by bank facilities cannot be remarketed, the repayment terms of those bank facilities would result in repayments of \$68,750 in 2022, \$142,650 in 2023, \$86,400 in 2024 and \$30,150 in 2025. If the bonds supported by self-liquidity cannot be remarketed, the bonds would be tendered to the Company on their respective earliest tender dates, which differ from scheduled maturity dates, and would result in payments of \$210,015 in 2022, \$119,870 in 2023, \$69,250 in 2024, \$61,935 in 2025, \$130,000 in 2026 and \$139,285 thereafter.

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Scheduled payments of long-term debt (excluding the impact of net unamortized bond premiums and deferred financing costs) for each of the next five years, assuming bonds backed by bank facilities are remarketed and the standby purchase agreements are renewed and bonds supported by self-liquidity are remarketed, are as follows:

2022	\$	103,222
2023		107,624
2024		110,887
2025		124,751
2026		93,686
Thereafter		<u>5,391,513</u>
	\$	<u>5,931,683</u>

Interest expense paid during the years ended September 30, 2021 and 2020 was \$243,020 and \$251,804, respectively.

In January 2020, we issued \$304,885 of Mass General Brigham Series 2020 A Revenue Bonds, plus bond premium of \$79,262. The bond proceeds, net of issuance costs of \$1,511, were used to refund portions of Series J Bonds (\$38,765), Series M Bonds (\$50,000) and Series O Bonds (\$50,000), and to finance certain capital projects (\$243,871).

In January 2020, we issued \$1,017,135 of Mass General Brigham Series 2020 Taxable Bonds. The bond proceeds, net of issuance costs of \$6,649, were used to refund portions of Series L Bonds (\$57,313), Series M Bonds (\$241,104) and Series O Bonds (\$68,559), to refund Series 2011 Taxable Bonds (\$250,000), and to finance certain capital projects (\$393,510).

Mass General Brigham bonds are general obligations of the Company supported by guarantees from Brigham Health, Inc., The Brigham and Women's Hospital, Inc., The Massachusetts General Hospital and The General Hospital Corporation which may be suspended under certain conditions.

Our debt agreements contain certain covenants, including a minimum debt service coverage ratio and limitations on additional indebtedness and asset transfers.

Lines of Credit

The Company maintains two lines of credit aggregating \$375,000 that provide access to same day funds. Advances under the lines of credit bear a variable rate of interest based on the London Interbank Offered Rate (LIBOR). As of September 30, 2021, there were no amounts outstanding under the lines of credit. The two lines of credit expire in June 2023.

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Term Loan

In May 2020, the Company executed a \$150,000 Term Loan with a fixed interest rate of 2.42% and final maturity in May 2022. The Term Loan was pre-paid in full in May 2021.

Taxable Commercial Paper

In September 2020, the Company established a \$500,000 Taxable Commercial Paper (CP) program. As of September 30, 2021, there were no amounts outstanding under the CP program.

13. Derivatives

Interest Rate Swaps

We utilize swap contracts to lock-in long-term synthetic fixed rates and manage fluctuations in cash flows resulting from interest rate risk on certain of our variable rate bonds. These bonds expose us to variability in interest payments due to changes in interest rates. Management believes that it is prudent to limit this variability. To meet this objective and to take advantage of low interest rates, we have entered into various swap contracts involving the exchange of fixed rate payments by us for variable rate payments from several counterparties that are based on a percentage of LIBOR.

By using swap contracts to manage the risk of changes in interest rates, we expose ourselves to credit risk and market risk. Credit risk is the failure of the counterparty to perform under the terms of the swap contracts. When the fair value of a swap contract is positive, the counterparty has a liability to us, which creates credit risk. We minimize our credit risk by entering into swap contracts with several counterparties and requiring the counterparty to post collateral for our benefit based on the credit rating of the counterparty and the fair value of the swap contract. Conversely, when the fair value of a swap contract is negative, we have a liability to the counterparty and, therefore, we do not have credit risk. Under certain circumstances, we may be required to post collateral for the benefit of the counterparty. Market risk is the adverse effect on the value of a financial instrument that results from a change in interest rates. The market risk associated with interest rate changes is managed by establishing and monitoring parameters that limit the types and degree of market risk that we may undertake.

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The following is a summary of the outstanding positions under our swap contracts as of September 30, 2021:

Effective Date	Notional Amount	Maturity	Rate Paid	Rate Received
5/1/03	\$ 150,000	7/1/45	3.40%	67% 1-month LIBOR
10/15/03	9,945	1/1/31	3.85%	70% 1-month LIBOR
7/1/05	150,000	7/1/50	3.09%	67% 1-month LIBOR
7/1/05	15,700	7/1/25	5.11%	67% 6-month LIBOR
9/1/05	1,510	1/1/23	3.26%	70% 1-month LIBOR
7/1/07	150,000	7/1/52	2.96%	67% 1-month LIBOR
7/1/09	100,000	7/1/50	3.58%	67% 1-month LIBOR
7/1/11	100,000	7/1/50	3.66%	67% 1-month LIBOR
7/1/13	100,000	7/1/48	3.80%	67% 1-month LIBOR
7/1/15	50,000	7/1/50	3.80%	67% 1-month LIBOR
4/1/16	100,000	7/1/52	3.76%	67% 1-month LIBOR
7/1/17	50,000	7/1/52	3.74%	67% 1-month LIBOR
7/1/19	50,000	7/1/49	1.85%	67% 1-month LIBOR
7/1/21	50,000	7/1/51	1.84%	67% 1-month LIBOR
7/1/23	50,000	7/1/53	1.80%	67% 1-month LIBOR
7/1/24	100,000	7/1/54	1.81%	67% 1-month LIBOR
7/1/25	50,000	7/1/55	1.77%	67% 1-month LIBOR
7/1/26	100,000	7/1/56	1.78%	67% 1-month LIBOR
7/1/27	100,000	7/1/57	1.79%	67% 1-month LIBOR
	<u>\$ 1,477,155</u>			

Our swap contracts contain provisions that require collateral to be posted if the fair value of the swap exceeds certain thresholds. The collateral thresholds reflect the current credit ratings issued by major credit rating agencies on our and the counterparty's debt. Declines in our or the counterparty's credit ratings would result in lower collateral thresholds and, consequently, the potential for additional collateral postings by us or the counterparty. As of September 30, 2021 and 2020, we have posted collateral of \$181,396 and \$307,469, respectively. We have established procedures to ensure that liquidity and securities are available to meet collateral posting requirements.

Upon the occurrence of certain events of default or termination events identified in the swap contracts, either the Company or the counterparty could terminate the contracts in accordance with their respective terms. Termination results in the payment of a termination amount by one party that attempts to compensate the other party for its economic losses. If interest rates at the time of termination are lower than those specified in the swap contract, we would make a payment to the counterparty. Conversely, if interest rates at such time are higher, the counterparty would make a payment to us.

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14. Leases

We lease property and equipment under both finance and operating lease agreements. We recognize leases with a term greater than twelve months on the balance sheet.

Some lease agreements require us to pay variable costs including property taxes, insurance, maintenance and repairs. Variable costs are excluded from the right-of-use asset and liability. Lease and nonlease components of agreements are not separated. Some leases contain rental escalation clauses and renewal options that are included in lease payment calculations when appropriate. The estimated incremental borrowing rate is used to discount the lease payment amounts.

The components of lease expense consist of the following:

	Year Ended September 30, 2021		
	Supplies and Other Expenses	Academic and Research Gifts, Net of Expenses	Total
Operating lease expense	\$ 215,745	\$ 7,380	\$ 223,125
Short-term lease expense	12,575	130	12,705
Variable lease expense	69,352	1,448	70,800
Finance lease expense			
Amortization of leased assets	6,633	58	6,691
Interest on lease liabilities	2,827	9	2,836
Total lease expense	<u>\$ 307,132</u>	<u>\$ 9,025</u>	<u>\$ 316,157</u>
	Year Ended September 30, 2020		
	Supplies and Other Expenses	Academic and Research Gifts, Net of Expenses	Total
Operating lease expense	\$ 204,709	\$ 7,687	\$ 212,396
Short-term lease expense	14,415	117	14,532
Variable lease expense	69,930	1,009	70,939
Finance lease expense			
Amortization of leased assets	593	-	593
Interest on lease liabilities	65	-	65
Total lease expense	<u>\$ 289,712</u>	<u>\$ 8,813</u>	<u>\$ 298,525</u>

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Lease related assets and liabilities are as follows:

	<u>Balance Sheet Classification</u>	<u>September 30, 2021</u>	<u>September 30, 2020</u>
Operating lease assets	Right-of-use operating lease assets	\$ 1,108,275	\$ 1,139,626
Finance lease assets	Property and equipment, net	63,067	1,400
Total lease assets		<u>\$ 1,171,342</u>	<u>\$ 1,141,026</u>
Current operating lease liability	Current portion of operating lease obligations	\$ 200,706	\$ 191,259
Current finance lease liability	Accounts payable and accrued expenses	10,391	597
Noncurrent operating lease liability	Operating lease obligation, less current portion	782,650	797,096
Noncurrent finance lease liability	Accrued other	61,872	633
Total lease liabilities		<u>\$ 1,055,619</u>	<u>\$ 989,585</u>

Supplemental cash flow and other information related to leases are as follows:

	<u>Years Ended September 30,</u>	
	<u>2021</u>	<u>2020</u>
Cash paid for amounts included in the measurement of lease liabilities		
Operating cash flow for operating leases	\$ 205,986	257,165
Operating cash flow for finance leases	1,583	51
Financing cash flows for finance leases	748	404
Weighted-average remaining term (years)		
Operating leases	11.7	12.8
Finance leases	18.8	1.5
Weighted-average discount rate		
Operating leases	4.10 %	4.17%
Finance leases	4.10 %	4.17%

Commitments related to noncancelable operating and finance leases for each of the next five years and thereafter are as follows:

	<u>Operating Leases</u>	<u>Finance Leases</u>
2022	\$ 200,706	\$ 10,391
2023	183,161	9,978
2024	154,254	9,251
2025	138,311	7,058
2026	126,543	3,684
Thereafter	371,786	102,759
Total minimum future payments	<u>1,174,761</u>	<u>143,121</u>
Less: Amount representing interest	<u>(191,405)</u>	<u>(70,858)</u>
Present value of minimum future payments	983,356	72,263
Less: Current portion	<u>(200,706)</u>	<u>(10,391)</u>
Long-term lease obligations	<u>\$ 782,650</u>	<u>\$ 61,872</u>

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We are also a lessor and sublessor of real estate under operating leases. Lease income for the year ended September 30, 2021 and 2020 was \$14,220 and \$12,831, respectively, and is included in other revenue in the consolidated statements of operations. Some of these leases include expenses such as utilities and maintenance costs in rent charges, however this variable lease income is not considered material. We do not separate lease and nonlease components by class of underlying asset for all asset classes. The underlying real estate assets are included in property and equipment, net in the consolidated balance sheets.

The future undiscounted cash flows to be received from these leases for each of the next five years and thereafter is as follows:

2022	\$	6,067
2023		4,480
2024		4,121
2025		3,721
2026		2,442
Thereafter		164,204
	<u>\$</u>	<u>185,035</u>

15. Construction Project

The Ragon Institute of Massachusetts General Hospital, Massachusetts Institute of Technology and Harvard University (the Ragon Institute) is constructing a new research facility at Kendall Square in Cambridge, Massachusetts. This new 318,000 square foot building (including 120 spaces of sub-level parking) is being built to meet both the current and future needs of the Ragon Institute, facilitating the important work that lies ahead in harnessing the power of the human immune systems to prevent and cure disease. It will include three floors of state-of-the-art laboratories supporting 60-open lab modules and 60-support lab modules, a vivarium, a Biosafety Level 3 laboratory, a translational research clinic and administrative space. As of September 30, 2021, accumulated costs incurred related to this project are approximately \$15,946 with approximately \$265,336 in outstanding commitments. The total cost of the project is expected to be approximately \$387,000 with occupancy scheduled in the winter or spring of 2024. The General Hospital Corporation (the General) serves as the administrative home of Ragon Institute, and therefore the constructions costs are carried on the books of the General.

16. Pension and Postretirement Healthcare Benefit Plans

Substantially all Mass General Brigham employees are covered under noncontributory defined benefit pension plans and various defined contribution pension plans. In addition, certain affiliates provide subsidized healthcare benefits for retired employees on a self-insured basis, with the benefit obligation being partially funded. These retiree healthcare benefits are administered through an insurance company and are accounted for on the accrual basis, which includes an estimate of future payments for claims incurred.

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Total expense for Mass General Brigham plans consists of the following:

	Years Ended September 30,	
	2021	2020
Defined benefit plans	\$ 266,338	\$ 350,894
Defined contribution plans	181,462	181,972
Postretirement healthcare benefit plans	1,513	1,069
	<u>\$ 449,313</u>	<u>\$ 533,935</u>

Information regarding benefit obligations, plan assets, funded status, expected cash flows and net periodic benefit cost is as follows:

Benefit Obligations

	Defined Benefit Pension Plans		Postretirement Healthcare Benefit Plans	
	2021	2020	2021	2020
Change in benefit obligations				
Benefit obligations at beginning of year	\$ 9,177,862	\$ 8,683,960	\$ 222,780	\$ 201,237
Service cost	391,654	406,668	3,932	3,612
Interest cost	293,418	303,374	5,692	6,170
Plan amendments (gain) loss	70,068	-	-	-
Actuarial (gain) loss	300,699	64,352	2,666	8,978
Benefits paid	(277,251)	(266,939)	(8,471)	(8,615)
Expenses paid	(11,333)	(13,670)	(505)	-
Employee contributions	110	117	11,130	11,398
Benefit obligations at end of year	<u>\$ 9,945,227</u>	<u>\$ 9,177,862</u>	<u>\$ 237,224</u>	<u>\$ 222,780</u>

The accumulated benefit obligation for all defined benefit pension plans at the end of 2021 and 2020 was \$9,605,264 and \$8,902,070, respectively.

	Defined Benefit Pension Plans		Postretirement Healthcare Benefit Plans	
	2021	2020	2021	2020
Weighted-average assumptions used to determine end of year benefit obligation				
Discount rate	3.15%	3.16%	2.75% - 3.00%	2.50% - 3.00%
Rate of compensation increase	3.00% - 4.45%	3.00% - 4.45%	N/A	N/A
Postretirement healthcare cost trend rate for next year	N/A	N/A	6.25%	5.00%
Rate to which the cost trend rate is to decline	N/A	N/A	5.00%	5.00%
Year that rate reaches the ultimate trend rate	N/A	N/A	2027	2020

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Assumed healthcare cost trend rates have a significant effect on the amounts reported for the postretirement healthcare plans. A one-percentage-point change in assumed healthcare cost trend rates would have the following effect:

	One-Percentage-Point	
	Increase	Decrease
Effect on postretirement benefit obligation	\$ 3,834	\$ (4,429)

Plan Assets

	Defined Benefit Pension Plans		Postretirement Healthcare Benefit Plans	
	2021	2020	2021	2020
Change in plan assets				
Fair value of plan assets at beginning of year	\$ 7,759,494	\$ 6,799,224	\$ 131,770	\$ 121,772
Actual return on plan assets	2,252,417	813,785	34,339	4,147
Employer contributions	439,642	426,977	2,790	3,068
Employee contributions	110	117	11,130	11,398
Benefits paid	(277,251)	(266,939)	(8,471)	(8,615)
Expenses paid	(11,333)	(13,670)	(505)	-
Fair value of plan assets at end of year	<u>\$ 10,163,079</u>	<u>\$ 7,759,494</u>	<u>\$ 171,053</u>	<u>\$ 131,770</u>

The assets of the defined benefit pension plans are aggregated in a single master trust (Master Trust) and managed as one asset pool. The investment objective for the Master Trust is to achieve the highest reasonable total return after considering (i) plan liabilities, (ii) funding status and projected cash flows, (iii) projected market returns, valuations and correlations for various asset classes and (iv) ability and willingness to incur market risk.

Within the Master Trust, assets are allocated to managers with investment mandates that may range from a single sub-asset class to very broad mandates; with restrictions that range from long-only to unconstrained; and with management structures ranging from separately managed funds to mutual/commingled funds to private partnerships. Less market sensitive managers employ long/short equity and diversified strategies. Investment risks (concentration, correlation, valuation, liquidity, leverage, mandate compliance, etc.) are monitored at the manager level as well as the pool level.

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The following table presents the capital allocations and reported exposures by manager mandate within the Master Trust. Some managers, particularly less market sensitive managers, invest capital among multiple asset classes. The Long-Term Policy Benchmark is 70% Morgan Stanley Capital International All Country World Index and 30% Barclays Global Aggregate Bond.

	September 30, 2021		September 30, 2020	
	Dollars	Reported Exposures	Dollars	Reported Exposures
Global equity	\$ 1,628,147	16.2 %	\$ 1,397,021	18.0 %
Traditional U.S. equity	1,305,206	13.0 %	876,049	11.3 %
Traditional foreign developed equity	472,562	4.7 %	582,253	7.5 %
Traditional emerging markets equity	997,268	10.0 %	775,927	10.0 %
Private equity	2,073,307	19.6 %	1,139,772	14.7 %
Real assets	491,369	4.6 %	306,262	4.0 %
Less Market Sensitive managers	2,747,090	27.4 %	2,305,636	29.7 %
Fixed income managers	448,130	4.5 %	376,574	4.8 %
	<u>\$ 10,163,079</u>	<u>100.0 %</u>	<u>\$ 7,759,494</u>	<u>100.0 %</u>

The postretirement healthcare benefit plans assets are invested in commingled funds with the objective of achieving returns to satisfy plan obligations and with a level of volatility commensurate with our overall financial profile.

The following tables summarize plan assets measured at fair value on a recurring basis (using the fair value hierarchy defined in Note 7) as of:

	September 30, 2021			Total
	Fair Value Measurements Using			
	Quoted Prices in Active Markets for Identical Items (Level 1)	Significant Other Observable Inputs (Level 2)	Investments Valued Using NAV as a Practical Expedient	
Defined benefit pension plans				
Short-term investments	\$ 241,571	\$ -	\$ -	\$ 241,571
Separately managed investments	598,063	211,118	-	809,181
Private partnerships and commingled funds	-	-	9,112,327	9,112,327
	<u>839,634</u>	<u>211,118</u>	<u>9,112,327</u>	<u>10,163,079</u>
Postretirement healthcare benefit plans				
Commingled funds	29,472	-	141,581	171,053
Total plan assets	<u>\$ 869,106</u>	<u>\$ 211,118</u>	<u>\$ 9,253,908</u>	<u>\$ 10,334,132</u>

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	September 30, 2020			Total
	Fair Value Measurements Using			
	Quoted Prices in Active Markets for Identical Items (Level 1)	Significant Other Observable Inputs (Level 2)	Investments Valued Using NAV as a Practical Expedient	
Defined benefit pension plans				
Short-term investments	\$ 63,627	\$ -	\$ -	\$ 63,627
Separately managed investments	651,353	236,350	-	887,703
Commingled funds	-	1,434,895	-	1,434,895
Private partnerships	-	-	5,373,269	5,373,269
	<u>714,980</u>	<u>1,671,245</u>	<u>5,373,269</u>	<u>7,759,494</u>
Postretirement healthcare benefit plans				
Commingled funds	25,388	97,318	9,064	131,770
Total plan assets	<u>\$ 740,368</u>	<u>\$ 1,768,563</u>	<u>\$ 5,382,333</u>	<u>\$ 7,891,264</u>

In evaluating the Level at which private partnerships have been classified within the fair value hierarchy, management has assessed factors including but not limited to price transparency, the ability to redeem these investments at net asset value at the measurement date and the existence or absence of certain restrictions at the measurement date. Investments in private partnerships generally have limited redemption options for investors and, subsequent to final closing, may or may not permit subscriptions by new or existing investors. These entities may also have the ability to impose gates, lockups and other restrictions on an investor's ability to readily redeem out of their investment interest in the fund. As of September 30, 2021 and 2020, we have excluded all assets from the fair value hierarchy for which fair value is measured using net asset value per share as a practical expedient.

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Funded Status

The funded status of the plans recognized in the balance sheet and the amounts recognized in unrestricted net assets is as follows:

	Defined Benefit Pension Plans		Postretirement Healthcare Benefit Plans	
	2021	2020	2021	2020
End of year				
Fair value of plan assets at measurement date	\$ 10,163,079	\$ 7,759,494	\$ 171,053	\$ 131,770
Benefit obligations at measurement date	(9,945,227)	(9,177,862)	(237,224)	(222,780)
Funded status	<u>\$ 217,852</u>	<u>\$ (1,418,368)</u>	<u>\$ (66,171)</u>	<u>\$ (91,010)</u>
Amounts recognized in the balance sheet consist of				
Noncurrent asset	\$ 250,167	\$ -	\$ -	\$ -
Current liabilities	(6,093)	(1,433)	(959)	(1,190)
Long-term liabilities	(26,222)	(1,416,935)	(65,212)	(89,820)
	<u>\$ 217,852</u>	<u>\$ (1,418,368)</u>	<u>\$ (66,171)</u>	<u>\$ (91,010)</u>
Amounts not yet recognized in net periodic benefit cost and included in unrestricted net assets consist of				
Actuarial net loss (gain)	\$ 867,560	\$ 2,434,412	\$ 20,629	\$ 49,478
Prior service cost (credit)	(123,852)	(227,789)	(8,353)	(13,642)
	<u>\$ 743,708</u>	<u>\$ 2,206,623</u>	<u>\$ 12,276</u>	<u>\$ 35,836</u>
Amounts recognized in unrestricted net assets consist of				
Current year actuarial (gain) loss	\$ (1,418,309)	\$ (255,997)	\$ (23,994)	\$ 11,917
Amortization of actuarial gain (loss)	(148,542)	(168,383)	(4,856)	(3,661)
Current year prior service cost (credit)	70,068	-	-	-
Amortization of prior service (cost) credit	33,868	34,095	5,289	5,289
	<u>\$ (1,462,915)</u>	<u>\$ (390,285)</u>	<u>\$ (23,561)</u>	<u>\$ 13,545</u>

As of September 30, 2021 and 2020, the projected benefit obligation, accumulated benefit obligation and fair value of plan assets for pension plans with an accumulated benefit obligation in excess of plan assets were as follows:

	September 30,	
	2021	2020
Accumulated benefit obligation in excess of, or below plan assets		
Projected benefit obligation	\$ 9,945,227	\$ 9,177,862
Accumulated benefit obligation	9,605,264	8,902,070
Fair value of plan assets	10,163,079	7,759,494

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Expected Cash Flows

Information about the expected cash flows for the defined benefit and postretirement healthcare benefit plans is as follows:

	Defined Benefit Pension Plans	Postretirement Healthcare Benefit Plans	
Expected employer contributions			
2022	\$ 312,288	\$ 4,066	
			Medicare Subsidy
Expected benefit payments (receipts)			
2022	\$ 400,300	\$ 12,540	(25)
2023	421,501	13,048	(21)
2024	438,695	13,705	(18)
2025	462,604	14,433	(15)
2026	487,071	15,098	(12)
2027-2031	2,723,246	81,191	(34)

Net Periodic Benefit Cost

	Defined Benefit Pension Plans		Postretirement Healthcare Benefit Plans	
	2021	2020	2021	2020
Service cost	\$ 391,654	\$ 406,668	\$ 3,932	\$ 3,612
Interest cost	293,418	303,374	5,692	6,170
Expected return on plan assets	(533,408)	(493,436)	(7,678)	(7,085)
Amortization of				
Prior service cost (credit)	(33,868)	(34,095)	(5,289)	(5,289)
Actuarial net (gain) loss	148,542	168,383	4,856	3,661
Non-service related pension income	(125,316)	(55,774)	(2,419)	(2,543)
Net periodic benefit cost	<u>\$ 266,338</u>	<u>\$ 350,894</u>	<u>\$ 1,513</u>	<u>\$ 1,069</u>

Amounts expected to be amortized from unrestricted net assets into net periodic benefit cost during the year ending September 30, 2022 are as follows:

	Defined Benefit Pension Plans	Postretirement Healthcare Benefit Plans
Actuarial net loss (gain)	\$ 114,100	\$ 470
Prior service cost (credit)	(27,899)	(5,289)

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	Defined Benefit Pension Plans		Postretirement Healthcare Benefit Plans	
	2021	2020	2021	2020
Weighted-average assumptions used to determine net periodic pension and postretirement cost				
Discount rate	3.16 %	3.40 %	2.50% - 3.00%	3.05% - 3.30%
Expected return on plan assets	7.00 %	7.00 %	6.00 %	6.00 %
Rate of compensation increase	3.00% - 4.45%	3.00% - 4.45%	N/A	N/A
Healthcare cost trend rate for this year	N/A	N/A	5.00% - 6.25%	5.00% - 5.50%
Rate to which the cost trend rate is to decline	N/A	N/A	5.00 %	5.00 %
Year that rate reaches the ultimate trend rate	N/A	N/A	2027	2021

We use a long-term return assumption which is validated annually by obtaining long-term asset return, volatility and correlation projections for relevant asset class indexes; modifying volatility and correlations to reflect the actual historical experience of the active managers; calculating the expected return using benchmark weights and indexes; and comparing the return assumption to the sum of the expected return and the historical outperformance of the actual return versus the benchmark. We regularly monitor the active risk of the Master Trust by a statistical regression of the return series of the actual portfolio to that of the policy benchmark.

Assumed healthcare cost trend rates have a significant effect on the amounts reported for the postretirement healthcare plans. A one-percentage-point change in assumed healthcare cost trend rates would have the following effect:

	One-Percentage-Point	
	Increase	Decrease
Effect on service and interest cost	\$ 133	\$ (136)

17. Professional Liability Insurance

We insure substantially all of our professional and general liability risk on a claims-made basis in cooperation with other healthcare organizations in the Greater Boston area through a captive insurance company, Controlled Risk Insurance Company Ltd. (CRICO). The Company owns 11% of CRICO. The policies cover claims made during their respective terms, but not those occurrences for which claims may be made after expiration of the policy. Management intends to renew its coverage on a claims-made basis and has no reason to believe that it will be prevented from such renewal. During 2020, CRICO announced and paid a dividend to member organizations. As a result, we recognized dividend income of \$57,997 as a nonoperating gain. During 2020, CRICO also made a payment to member organizations for certain tail liabilities they had previously assumed on an occurrence basis, which was recorded as a reduction in the insurance receivable from CRICO of \$88,939.

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We follow the accounting policy of establishing reserves to cover the ultimate costs of medical malpractice claims, which include costs associated with litigating or settling claims. The liability also includes an estimated tail liability, established to cover all malpractice claims incurred but not reported to the insurance company as of the end of the year. The total malpractice liability of \$588,402 and \$567,770 as of September 30, 2021 and 2020, respectively, is presented as an accrued professional liability in the consolidated balance sheets. These reserves have been recorded on a discounted basis using an interest rate of 2.5% and 3.0% as of September 30, 2021 and 2020, respectively.

We also recognize an insurance receivable from CRICO at the same time that it recognizes the liability, measured on the same basis as the liability, subject to the need for a valuation allowance for uncollectible amounts. The insurance receivable of \$424,817 and \$397,017 as of September 30, 2021 and 2020, respectively, is reported as a component of other assets in the consolidated balance sheets.

Management is not aware of any claims against us or factors affecting CRICO that would cause the expense for professional liability risks to vary materially from the amount provided.

18. Concentration of Credit Risk

Financial instruments that potentially subject us to concentration of credit risk consist of patient accounts receivable, research grants receivable, pledges receivable, premiums receivable, certain investments and interest rate swaps.

Mass General Brigham provider organizations receive a significant portion of payments for services rendered from a limited number of government and commercial third-party payers, including Medicare, Medicaid, Blue Cross and Blue Shield of Massachusetts, Harvard Pilgrim Health Care and Tufts Health Plan. Research funding is provided through many government and private sponsors. AllWays Health receives a portion of premium revenue from the Commonwealth. Pledges receivable are due from multiple donors. We assess the credit risk for pledges based on history and the financial wherewithal of donors, most of which are individuals or organizations well known to us.

Investments, which include government and agency securities, stocks and corporate bonds, private partnerships and other investments, are not concentrated in any corporation or industry or with any single counterparty. Alternative investments are less liquid than other investments. The reported values of the alternative investments may differ significantly from the values that would have been used had a ready market for those securities existed. These instruments may contain elements of both credit and market risk. Such risks include, but are not limited to, limited liquidity, absence of oversight, dependence upon key individuals, emphasis on speculative investments and nondisclosure of portfolio composition.

We minimize our credit risk exposure under interest rate swap agreements by utilizing several counterparties and requiring the counterparties to post collateral for our benefit when the fair value of the swap is positive. We minimize our counterparty risk by contracting with nine counterparties, none of which accounts for more than 20% of the aggregate notional amount of the swap contracts.

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19. Net Assets

Donor restricted net assets are available for the following purposes:

	September 30,	
	2021	2020
Donor restricted		
Charity care	\$ 221,875	\$ 183,988
Buildings and equipment	392,886	126,464
Clinical care, research and academic	<u>2,754,414</u>	<u>2,210,778</u>
	<u>\$ 3,369,175</u>	<u>\$ 2,521,230</u>

Endowment

Our endowment consists of numerous individual funds established for a variety of purposes and includes both donor restricted endowment funds and funds designated by boards to function as endowment.

We have interpreted UPMIFA as requiring the preservation of the value of the original contribution of the donor restricted endowment funds absent explicit donor stipulations to the contrary. As a result of this interpretation, we classify as donor restricted net assets the original value of all contributions with donor stipulations to maintain in perpetuity, accumulated gains required to be maintained in perpetuity by explicit donor stipulation or accumulated gains which have been appropriated for expenditure in a manner consistent with the standard of prudence prescribed by UPMIFA. In accordance with UPMIFA, we consider several factors in making a determination to appropriate or accumulate donor restricted endowment funds. These factors include: the duration and preservation of the fund; the purposes of the organization and the donor restricted endowment fund; general economic conditions; the possible effect of inflation and deflation; the expected total return from income and the appreciation of investments; other resources of the organization; and the investment policies of the organization.

Endowment Funds with Deficits

From time to time, the value of assets associated with individual donor restricted endowment funds may fall below the value of the initial and subsequent donor contribution amounts. These deficits generally result from unfavorable market fluctuations that occurred after the investment of new donor restricted contributions or subsequent endowment additions. When such endowment deficits exist, they are classified as a reduction to donor restricted net assets.

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The following presents the endowment net asset composition by type of fund as of September 30, 2021 and 2020 and the changes in endowment assets for the years ended September 30, 2021 and 2020:

	Unrestricted	Donor Restricted	Total
Endowment net asset composition by type of fund as of September 30, 2021			
Donor restricted endowment funds	\$ -	\$ 2,543,776	\$ 2,543,776
Board designated endowment funds	<u>1,582,262</u>	<u>-</u>	<u>1,582,262</u>
Total funds	<u>\$ 1,582,262</u>	<u>\$ 2,543,776</u>	<u>\$ 4,126,038</u>
	Unrestricted	Donor Restricted	Total
Changes in endowment net assets			
Endowment net assets at September 30, 2020			
	<u>\$ 1,248,539</u>	<u>\$ 1,977,011</u>	<u>\$ 3,225,550</u>
Investment return			
Investment income	299	466	765
Net realized and unrealized appreciation	<u>344,230</u>	<u>535,621</u>	<u>879,851</u>
Total investment return	344,529	536,087	880,616
Contributions	5,460	109,292	114,752
Appropriation of endowment assets for expenditure	(46,338)	(73,488)	(119,826)
Other changes	<u>30,072</u>	<u>(5,126)</u>	<u>24,946</u>
Total changes	<u>333,723</u>	<u>566,765</u>	<u>900,488</u>
Endowment net assets at September 30, 2021			
	<u>\$ 1,582,262</u>	<u>\$ 2,543,776</u>	<u>\$ 4,126,038</u>
	Unrestricted	Donor Restricted	Total
Endowment net asset composition by type of fund as of September 30, 2020			
Donor restricted endowment funds	\$ -	\$ 1,977,011	\$ 1,977,011
Board-designated endowment funds	<u>1,248,539</u>	<u>-</u>	<u>1,248,539</u>
Total funds	<u>\$ 1,248,539</u>	<u>\$ 1,977,011</u>	<u>\$ 3,225,550</u>

Mass General Brigham Incorporated and Affiliates
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	Unrestricted	Donor Restricted	Total
Changes in endowment net assets			
Endowment net assets at September 30, 2019	\$ 1,171,631	\$ 1,839,545	\$ 3,011,176
Investment return			
Investment income	640	977	1,617
Net realized and unrealized appreciation	101,300	150,734	252,034
Total investment return	101,940	151,711	253,651
Contributions	6,450	63,130	69,580
Appropriation of endowment assets for expenditure	(48,352)	(75,325)	(123,677)
Other changes	16,870	(2,050)	14,820
Total changes	76,908	137,466	214,374
Endowment net assets at September 30, 2020	\$ 1,248,539	\$ 1,977,011	\$ 3,225,550

20. Functional Expenses

Expenses by functional classification are allocated based on management's judgement, the nature of the expense and historical experience. Such classifications and allocations are as follows:

	Healthcare Services	Research and Academic	Insurance	General and Administrative	Year Ended September 30, 2021
Operating expenses					
Employee compensation and benefit expense	\$ 6,990,999	\$ -	\$ 59,405	\$ 1,245,627	\$ 8,296,031
Supplies and other expenses	3,816,656	-	61,836	102,443	3,980,935
Medical claims and related expenses	-	-	645,514	-	645,514
Direct academic and research expenses	-	1,744,731	-	-	1,744,731
Depreciation and amortization expenses	641,147	-	-	83,330	724,477
Interest expense	108,656	-	-	53,472	162,128
Total operating expenses	<u>\$ 11,557,458</u>	<u>\$ 1,744,731</u>	<u>\$ 766,755</u>	<u>\$ 1,484,872</u>	<u>\$ 15,553,816</u>

Direct academic and research expenses include \$1,065,480 of employee compensation and benefit expense and \$679,251 of supplies and other expenses for the year ended September 30, 2021.

	Healthcare Services	Research and Academic	Insurance	General and Administrative	Year Ended September 30, 2021
Nonoperating expenses					
Employee compensation and benefit expense	\$ -	\$ -	\$ -	\$ 72,264	\$ 72,264
Supplies and other expenses	-	-	-	35,048	35,048
Interest expense	-	-	-	68,426	68,426
Non-service related pension income	(95,602)	(14,329)	-	(17,804)	(127,735)
Total nonoperating expenses	<u>\$ (95,602)</u>	<u>\$ (14,329)</u>	<u>\$ -</u>	<u>\$ 157,934</u>	<u>\$ 48,003</u>

Mass General Brigham Incorporated and Affiliates
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(in thousands of dollars)

	Healthcare Services	Research and Academic	Insurance	General and Administrative	Year Ended September 30, 2020
Operating expenses					
Employee compensation and benefit expense	\$ 6,599,548	\$ -	\$ 58,877	\$ 1,019,788	\$ 7,678,213
Supplies and other expenses	3,491,578	-	65,424	37,611	3,594,613
Medical claims and related expenses	-	-	610,310	-	610,310
Direct academic and research expenses	-	1,591,241	-	-	1,591,241
Depreciation and amortization expenses	654,612	-	-	87,576	742,188
Interest expense	113,807	-	-	78,768	192,575
Total operating expenses	<u>\$ 10,859,545</u>	<u>\$ 1,591,241</u>	<u>\$ 734,611</u>	<u>\$ 1,223,743</u>	<u>\$ 14,409,140</u>

Direct academic and research expenses include \$1,008,098 of employee compensation and benefit expense and \$583,143 of supplies and other expenses for the year ended September 30, 2020.

	Healthcare Services	Research and Academic	Insurance	General and Administrative	Year Ended September 30, 2020
Nonoperating expenses					
Employee compensation and benefit expense	\$ -	\$ -	\$ -	\$ 69,202	\$ 69,202
Supplies and other expenses	-	-	-	29,194	29,194
Interest expense	-	-	-	46,948	46,948
Non-service related pension income	(44,599)	(6,458)	-	(7,260)	(58,317)
Total nonoperating expenses	<u>\$ (44,599)</u>	<u>\$ (6,458)</u>	<u>\$ -</u>	<u>\$ 138,084</u>	<u>\$ 87,027</u>

21. Contingencies

We are subject to complaints, claims and litigation which arise in the normal course of business. In addition, we are subject to reviews and investigations by various federal and state government agencies to assure compliance with applicable laws, some of which are subject to different interpretations. Governmental review of compliance by healthcare organizations has increased.

22. Subsequent Events

We have assessed the impact of subsequent events through December 10, 2021, the date the audited financial statements were issued. During this period, there were no subsequent events that require adjustment to the audited financial statements.

Schedule of Expenditures of Federal Awards

**Mass General Brigham Incorporated and Affiliates
Schedule of Expenditures of Federal Awards
Year Ended September 30, 2021**

<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development and Research Training				
Research and Development				
Consumer Product Safety Commission				
Consumer Product Safety Commission	93.RD7	Direct	\$ 36,159	\$ -
			Subtotal	36,159
Department of AgricultureAgricultural Research Service				
President and Fellows of Harvard College	10.001	59-0210-6-004	11,673	-
			Subtotal	11,673
Department of AgricultureNational Institute of Food and Agriculture				
Community Outreach and Patient Empowerment Program, Inc.	10.331	2019-70030-30407	20,757	-
			Subtotal	20,757
Department of CommerceNational Institute of Standards and Technology (NIST)				
National Institute of Standards and Technology (NIST)	11.609	Direct	126,866	-
			Subtotal	126,866
Department of Defense				
Advanced Technology International	93.RD10	2017-605	24,148	-
Arsenal Medical	93.RD10	W81XWH-15-C-0147	27,155	-
Battelle Memorial Institute	93.RD10	DE-AC05-76RL01830	102,870	-
Board of Trustees of the University of Illinois	93.RD6	W81XWH-18-1-0661	76,086	-
Citizens United for Research in Epilepsy (CURE)	93.RD10	W81XWH-15-2-0069	833,044	124,196
Coalesenz	93.RD10	W81XWH-20-C-0119	4,892	-
Coalesenz	93.RD10	W81XWH-20-P-0031	(7,901)	-
CREARE	93.RD10	W81XWH-20-P-0004	66,538	-
Department of Defense-Congressionally Directed Medical Research Programs	93.RD6	Direct	180,978	-
Fenway Community Health Center	93.RD10	72038619CA0001	16,128	-
International AIDS Vaccine Initiative (IAVI)	93.RD10	AID-OAA-A-16-00032	34,295	-
Johns Hopkins University	93.RD6	N00024-13-D-6400	1,010,581	-
Lockheed Martin	93.RD8	FA8750-18-C-0026	110,732	-
Luna Innovations	93.RD10	W81XWH-18-C-0004	52,701	-
Massachusetts Institute of Technology	93.RD10	7000415627	112,324	-
Massachusetts Institute of Technology	93.RD10	7000442543	43,282	-
Massachusetts Institute of Technology	93.RD10	7000451740	36,327	-
Medical University of South Carolina	93.RD10	W81XWH-15-9-0001	(1,002)	-
National Opinion Research Center	93.RD10	GS-10F-0033M, AID-OAA-M-13-00013	27,772	-
National Trauma Institute	93.RD10	W81XWH-18-C-0179	182,078	-
Radiant Images, Inc.	93.RD10	W81XWH-21-P-0042	63,292	-
Radiation Monitoring Devices, Inc.	93.RD6	Number Not Available	98	-
Stottler Henke Associates	93.RD8	140D6318C0039	138,192	-
The Geneva Foundation	93.RD10	W81XWH-15-9-0001	381,050	-
The KonTerra Group	93.RD10	GS-10F-0418Y/7200AA20M00001	173,444	-
Triton Systems	93.RD10	W81XWH-19-C-0041	74,318	-

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

**Mass General Brigham Incorporated and Affiliates
Schedule of Expenditures of Federal Awards
Year Ended September 30, 2021**

<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
Triton Systems	93.RD10	W81XWH-20-P-0012	38,044	-
Triton Systems	93.RD10	W81XWH-20-P-0015	14,448	-
U.S. Army Research Institute of Environmental Medicine	93.RD10	Direct	1,494	-
U.S. Department of Defense	93.RD10	Direct	4,792	-
United Technologies Research Center	93.RD10	FA8750-18-C-0025	62,959	-
University of Houston	93.RD6	W81XWH-20-1-0755	12,407	-
University of South Florida	93.RD10	H9240520D0001	585,914	-
University Research Co. LLC	93.RD10	AID-674-TO-16-00002	92,526	-
		Subtotal	<u>4,576,006</u>	<u>124,196</u>
Department of DefenseAdvanced Research Projects Agency				
Broad Institute, Inc.	12.910	DARPA-16-59-SAFE-FP-010	13,277	-
Defense Advanced Research Projects Agency	12.910	Direct	2,770,397	584,670
Draper Laboratory	12.910	75N95010C00035	42,249	-
Draper Laboratory	12.910	W4C00861850/OSP29280	(7,762)	-
Johns Hopkins University	12.910	FA8650-18-2-7834	(53)	-
Massachusetts Institute of Technology	12.910	W911NF-17-2-0043	59,067	-
President and Fellows of Harvard College	12.910	HR0011-19-2-0022	118,243	-
President and Fellows of Harvard College	12.910	W911NF-19-2-0018	168,727	-
Raytheon BBN Technologies	12.910	W911NF-19-C-0008	(13,463)	-
		Subtotal	<u>3,150,682</u>	<u>584,670</u>
Department of DefenseDefense Threat Reduction Agency				
Defense Threat Reduction Agency	12.351	Direct	891,943	479,770
		Subtotal	<u>891,943</u>	<u>479,770</u>
Department of DefenseDepartment of the Air Force, Materiel Command				
Air Force Office of Scientific Research	12.800	Direct	361,303	65,662
Massachusetts Institute of Technology	12.800	FA8702-15-D-0001	188,769	-
		Subtotal	<u>550,072</u>	<u>65,662</u>
Department of DefenseDepartment of the Navy, Office of the Chief of Naval Research				
Homeland Security Advanced Research Projects Agency	12.300	Direct	388,303	-
National Marrow Donor Program	12.300	N00014-18-1-2045	10,168	-
Office of Naval Research	12.300	Direct	40,979	14,051
Ohio State University	12.300	N00014-20-1-2163	248,837	-
Regents of the University of Michigan	12.300	N00014-20-1-2479	100,650	-
		Subtotal	<u>788,937</u>	<u>14,051</u>
Department of DefenseU.S. Army Materiel Command				
Fred Hutchinson Cancer Research Center	12.431	W911NF-17-1-0360	1,326	-
President and Fellows of Harvard College	12.431	W911NF-17-2-0086	300,000	100,000
U.S. Army Materiel Command	12.431	Direct	(42)	(249)
University of Southern California	12.431	W911NF-18-1-0434	36,585	-
		Subtotal	<u>337,869</u>	<u>99,751</u>

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**Mass General Brigham Incorporated and Affiliates
Schedule of Expenditures of Federal Awards
Year Ended September 30, 2021**

<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
Department of Defense U.S. Army Medical Command				
Air Force Office of Scientific Research	12.420	Direct	7,763,126	-
American Burn Association	12.420	W81XWH-11-1-0835	1,713	-
American Burn Association	12.420	W81XWH-16-2-0048	(679)	-
Beth Israel Deaconess Medical Center	12.420	W81XWH-16-1-0464	(188,861)	-
Board of Trustees of the University of Alabama for the University of Alabama	12.420	W81XWH-15-1-0705	(14,225)	-
Boston VA Research Institute Inc.	12.420	W81XWH-15-1-0216	166,396	-
Boston VA Research Institute Inc.	12.420	W81XWH-17-1-0217	98,511	-
Boston VA Research Institute Inc.	12.420	W81XWH-19-1-0057	173,128	-
Brigham and Women's Hospital	12.420	W81XWH-19-1-0517	31,179	-
Brigham and Women's Hospital	12.420	W81XWH-19-1-0482	106,770	-
Case Western Reserve University	12.420	W81XWH-19-1-0707	73,347	-
Children's Hospital Corporation dba Boston Children's Hospital	12.420	W81XWH-15-1-0621	63,205	-
Children's Hospital Corporation dba Boston Children's Hospital	12.420	W81XWH-17-2-0037	9,108	-
Children's Hospital Corporation dba Boston Children's Hospital	12.420	W81XWH-19-1-0219	13,235	-
Children's Hospital Los Angeles	12.420	W81XWH-21-1-0257	2,091	-
Craig Hospital	12.420	W81XWH-15-2-0078	3,364	-
Dana Farber Cancer Institute	12.420	W81XWH-20-1-0057	19,475	-
Dana Farber Cancer Institute	12.420	W81XWH-21-1-0080	99,611	-
Dana Farber Cancer Institute	12.420	W81XWH-19-1-0780	107,643	-
Department of Defense	12.420	Direct	(5,439)	-
Department of Defense-Congressionally Directed Medical Research Programs	12.420	Direct	6,235,072	452,864
Fred Hutchinson Cancer Research Center	12.420	W81XWH-19-1-0128	39,705	-
Gel-E	12.420	W81XWH-18-1-0006	190,604	-
German Cancer Research Center (DKFZ)	12.420	W81XWH-19-1-0307	56,095	-
Henry M Jackson Foundation for the Advancement of Military Medicine	12.420	W81XWH-20-2-0061	60,852	-
Joan & Sanford I. Weill Medical College of Cornell University	12.420	W81XWH-18-1-0667	730,650	-
Massachusetts Eye and Ear Infirmary	12.420	W81XWH-20-1-0855	86,385	-
Massachusetts General Hospital	12.420	W81XWH-20-1-0293	38,648	-
Massachusetts General Hospital	12.420	W81XWH-20-1-0758	11,126	-
Massachusetts Institute of Technology	12.420	W81XWH-18-2-0010	167,738	-
Massachusetts Institute of Technology	12.420	W81XWH-19-1-0151	32,240	-
Mayo Clinic	12.420	W81XWH-15-1-0293	95,180	-
Moberg Research	12.420	W81XWH-19-2-0013	200,541	-
National Trauma Institute	12.420	W81XWH-17-1-0673	(15)	-
Nationwide Children's Hospital	12.420	W81XWH-18-1-0547	197,037	-
President and Fellows of Harvard College	12.420	W81XWH-14-1-0131	(31)	-
President and Fellows of Harvard College	12.420	W81XWH-19-1-0696	57,854	-

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**Mass General Brigham Incorporated and Affiliates
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<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
President and Fellows of Harvard College	12.420	W81XWH-20-1-0303	55,397	-
President and Fellows of Harvard College	12.420	W81XWH-19-2-0011	98,190	-
Regents of the University of California	12.420	W81XWH-14-2-0176	117,284	-
Regents of the University of California, San Diego	12.420	W81XWH-17-1-0671	28,320	-
Regents of the University of California, San Francisco	12.420	W81XWH-14-2-0176	5,197	-
Regents of the University of California, San Francisco	12.420	W81XWH-15-9-0001	77,807	-
Regents of the University of California, San Francisco	12.420	W81XWH-18-2-0042	24,943	-
Schepens Eye Research Institute	12.420	W81XWH-19-1-0824	4,590	-
Trustees of Boston University	12.420	W81XWH-19-1-0765	89,749	-
U.S. Army Medical Research Acquisition Activity	12.420	Direct	29,273,401	3,629,401
U.S. Army Medical Research and Materiel Command	12.420	Direct	476,274	17,008
U.S. Army Research Institute of Environmental Medicine	12.420	Direct	151,225	-
University of Delaware	12.420	W81XWH-17-1-0335	38,096	-
University of Southern California	12.420	W81XWH-13-1-0259	8,860	-
University of Southern California	12.420	W81XWH-14-1-0462	2,306	-
University of Texas, MD Anderson Cancer Center	12.420	W81XWH-14-1-0109	1	-
Wake Forest University Health Sciences	12.420	W81XWH-13-2-0054	840	-
		Subtotal	<u>47,174,859</u>	<u>4,099,273</u>
Department of DefenseUniformed Services University of the Health Sciences				
Henry M Jackson Foundation for the Advancement of Military Medicine	12.750	HU0001-11-1-0023	485,265	-
Henry M Jackson Foundation for the Advancement of Military Medicine	12.750	HU0001-17-2-0009	5,095,460	-
Henry M Jackson Foundation for the Advancement of Military Medicine	12.750	HU0001-17-2-0023	(702)	-
Henry M Jackson Foundation for the Advancement of Military Medicine	12.750	HU0001-18-2-0018	(83,161)	-
Henry M Jackson Foundation for the Advancement of Military Medicine	12.750	HU0001-18-2-0015	38,298	-
Henry M Jackson Foundation for the Advancement of Military Medicine	12.750	HU0001-21-2-0025	165,967	-
President and Fellows of Harvard College	12.750	HU0001-19-2-0025	6,996	-
President and Fellows of Harvard College	12.750	HU0001-20-2-0011	18,596	-
The Geneva Foundation	12.750	HU0001-17-2-0009	100,560	-
The Geneva Foundation	12.750	HU0001-20-2-0011	1,264,907	-
The Geneva Foundation	93.RD21	HU0001-19-2-0056	2,162,450	397,119
		Subtotal	<u>9,254,636</u>	<u>397,119</u>
Department of EducationOffice of Innovation and Improvement				
United Way of Massachusetts Bay	84.411C	U411C170195	17,500	-
		Subtotal	<u>17,500</u>	<u>-</u>
Department of Energy				
Texas A&M University	81.135	DE-AR0000823	259,053	-
		Subtotal	<u>259,053</u>	<u>-</u>
Department of Health and Human Services				
Abt Associates, Inc.	93.RD1	HHSP233201500013I	69,491	-

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**Mass General Brigham Incorporated and Affiliates
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<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
Aethlon Medical	93.RD18	75N91019C00042	54,819	-
Africa Health Research Institute (AHRI)	93.RD18	1R01HL144848-01A1	174,773	-
Agency for Healthcare Research and Quality	93.RD1	Direct	6,003	-
Arsenal Medical	93.RD18	R44GM117849	1,590	-
Atlantic Research Group, Inc.	93.RD18	HHSN268201400011C	(476)	-
Beth Israel Deaconess Medical Center	93.RD18	1OT2HL156812-01	169,494	-
Board of Trustees of the Leland Stanford Junior University	93.RD18	HHSN261201700003C	70,167	-
Broad Institute, Inc.	93.RD18	HHSN261201500003I	(2,560)	-
Broad Institute, Inc.	93.RD18	HHSN261201500003I	(2,595)	-
Broad Institute, Inc.	93.RD4	75D30120CO9605	152,644	-
Centers for Disease Control and Prevention	93.RD4	Direct	217,993	-
Charles River Analytics, Inc.	93.RD18	HHSN261201800012C	3,000	-
Children's Hospital Corporation dba Boston Children's Hospital	93.RD18	75N93019C00044	145,816	-
DHHS-IPA Agreement	93.RD18	Direct	213,990	-
Dimagi, Inc	93.RD18	75N91019C00027	5,151	-
Duke University	93.RD18	75N93019C00050	416,628	-
Duke University	93.RD18	HHSN275201800003I	32,929	-
Duke University	93.RD18	HHSN275201000003I	99,417	-
Emory University	93.RD18	1R01HL138714-01A1	193,932	-
Emory University	93.RD18	HHNS272201300006C	(7,238)	-
ExQor Technologies	93.RD18	2R44MH108481-03	170,929	-
Global Genomic Medicine Collaborative (G2MC)	93.RD18	31342020 - C	14,126	-
Harvard Pilgrim Health Care	93.RD15	75F40119D10037	1,369,947	-
Harvard Pilgrim Health Care	93.RD15	HHSF223201400030I	6,873	-
Joan & Sanford I. Weill Medical College of Cornell University	93.RD18	2P01HL114501-06A1	43,676	-
Justice Resource Institute	93.RD18	90ZV012502	9,127	-
Leidos Biomedical Research Inc	93.RD18	20X013	2,872,659	-
Leidos Biomedical Research Inc	93.RD18	75N91019D00024	300,492	-
Leidos Biomedical Research Inc	93.RD18	HHSN261200800001E	2,505,029	1,204,826
Massachusetts General Hospital	93.RD18	1R01AI155171-01A1	123,353	-
Massachusetts Institute of Technology	93.RD4	7000494521	49,062	-
Mayo Clinic	93.RD18	HHSN2612012000421	12,711	-
Memorial Sloan-Kettering Institute Cancer Center	93.RD1	HHSA290201500007I	24,607	-
Mitre Corporation	93.RD5	75FCMC18D0047	41,580	-
National Opinion Research Center	93.RD5	75FCMC19F0079	752	-
NIH-National Institutes of Health	93.RD18	Direct	252,739	129,717
NIH-NCI National Cancer Institute	93.RD18	Direct	104,738	-
NIH-NHLBI National Heart, Lung, and Blood Institute	93.RD18	Direct	1,366,737	43,896
NIH-NIDA National Institute on Drug Abuse	93.RD18	Direct	3,821,593	-

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**Mass General Brigham Incorporated and Affiliates
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<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
NIH-NIMH National Institute of Mental Health	93.RD18	Direct	93,066	-
President and Fellows of Harvard College	93.RD18	75N93019C00071	1,840,753	-
Regents of the University of California, Los Angeles	93.RD18	Number Not Available	30,881	-
Research Foundation for The SUNY on behalf of University of Buffalo	93.RD18	75N92021D00002	160,418	-
Robin Medical	93.RD18	75N91019C00009	13,169	-
SAIC-Frederick	93.RD18	HHSN261200800001E	1,816	-
Social and Scientific Systems	93.RD18	HHSN61201400010I	29,259	-
Social and Scientific Systems, Inc.	93.RD18	HHSN273201600003I	52,689	-
Trustees of the University of Pennsylvania	93.RD18	Number Not Available	88,228	-
U.S. Food & Drug Administration	93.RD15	Direct	1,725,104	181,107
University of Buffalo	93.RD18	HHSN268201600001C	(8,950)	-
University of Chicago	93.RD18	75N92020D00018/75N92020F00001	199,256	-
University of Georgia Research Foundation, Inc.	93.RD18	75N93019C00052	195,955	-
University of Maryland	93.RD18	1R01NS122980-01	21,660	-
University of North Carolina at Chapel Hill	93.RD18	1OT3HL147154-01	39,928	-
University of North Carolina at Chapel Hill	93.RD18	3OT3HL142479-01S3	99,339	-
University of Pittsburgh Of the Commonwealth System of Higher Education	93.RD18	1R01HL157879-01	4,134	-
Venturewell	93.RD18	RG 5.14.20	(75,354)	-
Westat, Inc.	93.RD18	GS00F009DA	(3,632)	-
Westat, Inc.	93.RD18	HHSN261201300028I	10,441	-
		Subtotal	<u>19,623,858</u>	<u>1,559,546</u>
Department of Health and Human ServicesAdministration for Children and Families Center for Victims of Torture	93.604	90ZT0187-01-00	130,854	-
		Subtotal	<u>130,854</u>	<u>-</u>
Department of Health and Human ServicesAdministration for Community Living Craig Hospital	93.433	90DPTB0017-03-00	557	-
DHHS-National Institute on Disability, Independent Living and Rehabilitation	93.433	Direct	481,197	112,947
National Institute on Disability, Independent Living, and Rehabilitation	93.433	Direct	746,935	97,807
National Institute on Disability, Independent Living, and Rehabilitation	93.433	Direct	350,426	21,600
Spaulding Rehabilitation Hospital	93.433	90DPBU0001-04-00	19,849	-
Spaulding Rehabilitation Hospital	93.433	90DPTB0011-03-00	13,748	-
Spaulding Rehabilitation Hospital	93.433	90SI5021-05-01	42,337	-
Spaulding Rehabilitation Hospital	93.433	90DPCP0008-01-00	23,448	-
		Subtotal	<u>1,678,497</u>	<u>232,354</u>
Department of Health and Human ServicesAgency for Healthcare Research and Quality Agency for Healthcare Research and Quality	93.226	Direct	3,485,787	507,282
American College of Surgeons	93.226	5R18HS026189-03	40,702	-
Beth Israel Deaconess Medical Center	93.226	5R01HS025702-03	43,736	-
Brigham and Women's Hospital	93.226	5R01HS025375-04	17,455	-

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<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
Research and Development Continued				
Duke University	93.226	5P50HS023418-03	1,301	-
Duke University	93.226	5P50HS023418-05	(244)	-
Harvard Pilgrim Health Care	93.226	R01HS027170	87,813	-
Johns Hopkins University	93.226	5R01HS024079-05	(2,929)	-
Massachusetts General Hospital	93.226	5R01HS025718-03	16,477	-
Northwestern University	93.226	5R01HS024930-04	140	-
President and Fellows of Harvard College	93.226	1R01HS026753-02	42,490	-
President and Fellows of Harvard College	93.226	1R01HS028240-01	14,658	-
President and Fellows of Harvard College	93.226	5P30HS024453-04	(4,863)	-
President and Fellows of Harvard College	93.226	5R18HS027282-02	47,392	-
RAND Corporation	93.226	5R18HS026432-03	372,428	-
RAND Corporation	93.226	R18HS026432	78,225	-
Regents of the University of California, San Francisco	93.226	5R01HS027369-02	95,318	-
Trustees of Columbia University in the City of New York	93.226	5R01HS024538-04	4,925	-
Trustees of Columbia University in the City of New York	93.226	5R01HS024713-04	35,883	-
Yale University	93.226	2U18HS016978-14	197,709	-
			<u>Subtotal</u>	<u>507,282</u>
			<u>4,574,403</u>	
Department of Health and Human ServicesCenters for Disease Control and Prevention				
Beth Israel Deaconess Medical Center	93.067	1NU2GGH002212-01-00	181,397	-
Centers for Disease Control and Prevention	93.084	Direct	2,373,182	577,776
Centers for Disease Control and Prevention	93.136	Direct	676,603	183,785
Centers for Disease Control and Prevention	93.262	Direct	1,006,108	-
Centers for Disease Control and Prevention	93.326	Direct	1,126,713	193,429
Centers for Disease Control and Prevention	93.349	Direct	603,231	344,322
Children's Hospital Corporation dba Boston Children's Hospital	93.080	5NU27DD001155-05-00	(7,141)	-
Children's Hospital Corporation dba Boston Children's Hospital	93.080	NU27DD000020-01-00	50	-
Emory University	93.135	6U48DP006377-01-05	53,681	-
Fenway Community Health Center	93.944	6NU62PS005074	39,330	-
Harvard Pilgrim Health Care	93.084	5U54CK000483-02	92	-
Harvard Pilgrim Health Care	93.084	6U54CK000483-04M002	(5,880)	-
Harvard Pilgrim Health Care	93.084	6U54CK000484-04M001	58,069	-
Harvard School of Public Health	93.067	6U2GGH001911-04-01	(18,556)	-
Johns Hopkins University	93.283	6U01DP005123-05-01	(16)	-
National Association of County and City Health Officials (NACCHO)	93.391	1NU1ROT0000015-01-00	(39,885)	-
National Association of County and City Health Officials (NACCHO)	93.421	3NU38OT000306-03-00	137,178	-
Olive View/UCLA Education and Research Institute, Inc.	93.860	6U01CK000480-05-01	9,675	-
Olive View/UCLA Education and Research Institute, Inc.	93.860	U01CK000480-05	(325)	-
Partners in Health	93.738	NU58DP006594-02-00	155,977	-

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Research and Development Continued				
President and Fellows of Harvard College	93.067	5U2GGH001911-04	(1)	-
President and Fellows of Harvard College	93.262	5R01OH002421-24	32,231	-
President and Fellows of Harvard College	93.262	5U19OH008861-13	(1,098)	-
President and Fellows of Harvard College	93.262	5U19OH008861-14	83,577	-
Trustees of Columbia University in the City of New York	93.283	6U01DP006436-01-02	13,016	-
University of North Carolina at Chapel Hill	93.068	6NU58DP006262-05-01	90,384	-
University of Vermont Medical Center	93.421	6NU38OT000280-03-02	53,329	-
			Subtotal	1,299,312
Department of Health and Human ServicesCenters for Medicare and Medicaid Services Centers for Medicare & Medicaid Services	93.986	Direct	2,148,254	163,845
			Subtotal	163,845
Department of Health and Human ServicesFood and Drug Administration Perspectum Ltd	93.103	U01FD006880	113,308	-
U.S. Food & Drug Administration	93.103	Direct	2,917,766	278,033
University of Kansas Medical Center	93.103	5R01FD004809-04	8,482	-
University of Rochester	93.103	5U01FD005936-05	9,094	-
			Subtotal	278,033
Department of Health and Human ServicesHealth Resources and Services Administration Educational Development Center, Inc.	93.110	UF4MC26525	65,998	-
Fenway Community Health Center	93.129	U30CS022742	46,731	-
Fenway Community Health Center	93.129	U30CS22742	29,395	-
Fenway Community Health Center	93.129	U3FCS41777	6,577	-
Fenway Community Health Center	93.145	1U28HA376440100	6,544	-
Fenway Community Health Center	93.145	U10HA029294	2,622	-
Fenway Community Health Center	93.145	U1OHA29294	9,524	-
Fenway Community Health Center	93.914	U69HA31067	49,151	-
Fenway Community Health Center	93.928	U90HA42153	15,346	-
Health Resources and Services Administration	93.110	Direct	1,506,444	786,770
Johns Hopkins University	93.505	UD5MC30792	34,335	-
Massachusetts General Hospital	93.110	5R40MC32753--03--00	8,590	-
Mount Sinai School of Medicine	93.110	5H30MC24048-10-00	3,923	-
Regents of the University of California, Los Angeles	93.110	5UA6MC32492-02-00	29,188	-
University of Colorado at Denver	93.110	5UMA6MC31101-04-00	123,811	-
University of Iowa	93.155	6U3GRH40003-01-01	9,310	-
			Subtotal	786,770
Department of Health and Human ServicesNational Institutes of Health 149 Medical Inc.	93.853	1R42NS110337-01A1	59,257	-
ADK Group, Inc.	93.866	1R42AG069629-01	206,137	-
ADK Group, Inc.	93.866	7R41AG062130-02	56,017	-

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Schedule of Expenditures of Federal Awards
Year Ended September 30, 2021**

<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
Advanced Brain Monitoring	93.866	1R44AG050326-01A1	3,135	-
AdventHealth	93.847	3R01DK112700-02S1	17,620	-
AdventHealth	93.847	5R01DK112700-03	42,740	-
AfaSci Research Laboratories	93.867	2R44EY025913-02	241,628	-
Africa Health Research Institute (AHRI)	93.855	5R01AI138546-04	20,593	-
Africa Health Research Institute (AHRI)	93.855	5R01AI145305-03	15,304	-
Albany Medical College	93.837	5R01HL153019-02	73,929	-
Albany Medical College	93.837	R01HL141127	41,827	-
Albert Einstein College of Medicine	93.847	5R01DK102952-07	(8)	-
Albert Einstein College of Medicine	93.847	5R01DK115577-05	220,762	-
Albert Einstein College of Medicine	93.866	5R01AG062622-03	49,014	-
Alliance Data Innovations Lab	93.395	U10CA180821	(40,700)	-
Alliance NCTN Foundation	93.399	5UG1CA189823-08	44,880	-
AltaMed Health Services Corporation	93.307	1R01MD013837-01A1	86,185	-
Altec	93.866	1R43AG072991-01	30,151	-
American College of Surgeons	93.307	5R01MD011695-03	238,085	-
Ann & Robert H Lurie Children's Hospital of Chicago	93.847	R01DK109881	4,680	-
Astraea Therapeutics	93.279	1U01DA047791-01	28,019	-
Augusta University	93.847	5R01DK121003-03	89,644	-
Augusta University	93.847	5U24DK115255-04	83,569	-
Augusta University	93.855	5R01HL131674-04	(5,626)	-
Avera McKennan	93.279	5R01DA050696-03	1,883	-
Banner Alzheimer's Institute	93.866	5R01AG055444-04	37,090	-
Banner Alzheimer's Institute	93.866	5R01AG058468-02	127,569	-
Baylor College of Medicine	93.242	1R01MH115793-04	27,954	-
Baylor College of Medicine	93.837	5R01HL148050-02	228,452	88,546
Baystate Medical Center	93.838	3U01HL123009-06S1	(23,165)	-
Beckman Research Institute of the City of Hope	93.393	5R01CA202712-05	123,920	-
Beckman Research Institute of the City of Hope	93.837	R01HL150069-02	17,449	-
Beckman Research Institute of the City of Hope	93.866	5R01AG037037-05	1,226	-
Benaroya Research Institute at Virginia Mason	93.855	2UM1AI109565-08	1,148,378	-
Benaroya Research Institute at Virginia Mason	93.855	5UM1AI109565-03	1	-
Benaroya Research Institute at Virginia Mason	93.855	5UM1AI109565-06	471,670	-
Benaroya Research Institute at Virginia Mason	93.855	5UM1AI109565-07	2,394,914	-
Benaroya Research Institute at Virginia Mason	93.855	5UM1AI109565-08	161,648	-
Beth Israel Deaconess Medical Center	93.113	5R01ES028688-02	10,184	-
Beth Israel Deaconess Medical Center	93.213	R34AT009354	15,312	-
Beth Israel Deaconess Medical Center	93.233	1P01HL149630	312,677	-
Beth Israel Deaconess Medical Center	93.233	5P01HL095491-10	25,320	-

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

**Mass General Brigham Incorporated and Affiliates
Schedule of Expenditures of Federal Awards
Year Ended September 30, 2021**

<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
Beth Israel Deaconess Medical Center	93.233	5R01HL136310-04	11,135	-
Beth Israel Deaconess Medical Center	93.242	5R01MH107579-05	192,899	-
Beth Israel Deaconess Medical Center	93.242	5R01MH111448-05	77,417	-
Beth Israel Deaconess Medical Center	93.242	5R01MH116170-03	77,414	-
Beth Israel Deaconess Medical Center	93.242	5R01MH117063-03	47,626	-
Beth Israel Deaconess Medical Center	93.242	5U01MH081928-10	4	-
Beth Israel Deaconess Medical Center	93.310	5UG3HL147353-03	209,955	-
Beth Israel Deaconess Medical Center	93.393	5R01CA242747-02	89,595	-
Beth Israel Deaconess Medical Center	93.394	1U01CA260476-01	347,388	-
Beth Israel Deaconess Medical Center	93.395	5U01CA236489-02	135,088	-
Beth Israel Deaconess Medical Center	93.397	2P50CA101942-16	548,750	-
Beth Israel Deaconess Medical Center	93.397	5P50CA101942-14	84,119	-
Beth Israel Deaconess Medical Center	93.397	5P50CA101942-15	(30,326)	-
Beth Israel Deaconess Medical Center	93.837	1R01HL154744-01	29,831	-
Beth Israel Deaconess Medical Center	93.837	1R01HL157991-01	1,740	-
Beth Israel Deaconess Medical Center	93.837	5R01HL125379-04	8,702	-
Beth Israel Deaconess Medical Center	93.838	3U01HL123009-06S1	282,973	-
Beth Israel Deaconess Medical Center	93.838	5U01HL123022-07	38,176	-
Beth Israel Deaconess Medical Center	93.839	5R01HL136394-04	37,231	-
Beth Israel Deaconess Medical Center	93.839	5R34HL135226-03	26,173	-
Beth Israel Deaconess Medical Center	93.846	1R56AR075964-01	105,607	-
Beth Israel Deaconess Medical Center	93.847	5R01DK095072-07	2,828	-
Beth Israel Deaconess Medical Center	93.847	5R01DK103902-05	14,634	-
Beth Israel Deaconess Medical Center	93.847	5R01DK108894-05	17,724	-
Beth Israel Deaconess Medical Center	93.847	5R01DK124502-02	21,609	-
Beth Israel Deaconess Medical Center	93.847	5U01DK082919-12	713	-
Beth Israel Deaconess Medical Center	93.853	1U01NS096835-02	65,464	-
Beth Israel Deaconess Medical Center	93.853	5R01NS105844-03	182,104	-
Beth Israel Deaconess Medical Center	93.853	5U01NS096835-03	4,122	-
Beth Israel Deaconess Medical Center	93.853	5U01NS102289-02	224,951	-
Beth Israel Deaconess Medical Center	93.855	1R01AI149670-01	324,947	-
Beth Israel Deaconess Medical Center	93.855	3UM1AI069412-14S1	151,007	-
Beth Israel Deaconess Medical Center	93.855	5R01AI129797-04	157,441	-
Beth Israel Deaconess Medical Center	93.855	5U01AI145801-02	72,161	-
Beth Israel Deaconess Medical Center	93.855	5U19AI128751-04	61,924	-
Beth Israel Deaconess Medical Center	93.855	5UM1AI069412-13	105,636	-
Beth Israel Deaconess Medical Center	93.855	5UM1AI069412-14	266,588	-
Beth Israel Deaconess Medical Center	93.855	5UM1AI126603-05	126,252	-
Beth Israel Deaconess Medical Center	93.855	5UM1AI124377-05	152,463	-

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

**Mass General Brigham Incorporated and Affiliates
Schedule of Expenditures of Federal Awards
Year Ended September 30, 2021**

<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
Beth Israel Deaconess Medical Center	93.855	5UM1AI126603-05	221,441	-
Beth Israel Deaconess Medical Center	93.855	UM1AI069412-14S1	139,001	-
Beth Israel Deaconess Medical Center	93.866	1R01AG065554-01	49,501	-
Beth Israel Deaconess Medical Center	93.866	5R01AG052282-05	105,722	-
Beth Israel Deaconess Medical Center	93.866	5R01AG055559-05	324,325	-
Beth Israel Deaconess Medical Center	93.866	5R01AG060981-03	173,264	-
Beth Israel Deaconess Medical Center	93.866	5R01AG065554-02	25,542	-
BioSensics	93.865	5R44HD084035-03	(45,040)	-
BioSensics	93.866	5R42AG059491	159,948	-
BioSensics	93.866	5R42AG059491-03	254,333	-
Board of Regents of the University of Wisconsin System	93.310	5UH3OD023282-05	436,300	-
Board of Regents of the University of Wisconsin System	93.855	2U01AI102456-06	229,440	-
Board of Regents of the University of Wisconsin System	93.865	5R01HD094759-04	11,549	-
Board of Trustees of the Leland Stanford Junior University	93.173	2R01DC014034-06	118,703	-
Board of Trustees of the Leland Stanford Junior University	93.242	7R01MH116173-04	205,547	-
Board of Trustees of the Leland Stanford Junior University	93.394	501CA242879-02	167,942	-
Board of Trustees of the Leland Stanford Junior University	93.837	7R01HL128135-05	(10,904)	-
Board of Trustees of the Leland Stanford Junior University	93.837	7R01HL132511-03	(14,928)	-
Board of Trustees of the Leland Stanford Junior University	93.855	5U19AI057229-18	46,231	-
Board of Trustees of the University of Alabama for the University of Alabama	93.242	1R34MH118044-01A1	66,472	-
Board of Trustees of the University of Alabama for the University of Alabama	93.242	5R01MH108412-05	32,725	-
Board of Trustees of the University of Alabama for the University of Alabama	93.279	5R01DA044112-03	142,846	-
Board of Trustees of the University of Alabama for the University of Alabama	93.837	5R35HL135816-05	80,081	-
Board of Trustees of the University of Alabama for the University of Alabama	93.838	5U01HL133232-02	(72,848)	-
Board of Trustees of the University of Alabama for the University of Alabama	93.846	3P50AR060772-09S1	147,076	-
Board of Trustees of the University of Alabama for the University of Alabama	93.846	5P50AR060772-09	508,912	-
Board of Trustees of the University of Alabama for the University of Alabama	93.855	1R01AI147727-01	60,648	-
Board of Trustees of the University of Alabama for the University of Alabama	93.855	5U19AI090959-11	(10,790)	-
Board of Trustees of the University of Illinois	93.310	4UH3OD023272-05	52,047	-
Board of Trustees of the University of Illinois	93.847	5R01DK118736-02	92,057	-
Boston College	93.865	5R01HD098421-02	239,982	-
Boston Medical Center	93.279	5R01DA042685-03	(7,327)	-
Boston Medical Center	93.279	5UM1DA049412-03	157,306	-
Boston Medical Center	93.350	5U01TR002070-04	227,317	-
Boston Medical Center	93.350	5U01TR002070-05	52,651	-
Boston Medical Center	93.847	1R21DK119751	1,366	-
Boston Medical Center	93.847	3P30DK046200-29	34,431	-
Boston Medical Center	93.847	5P30DK046200-27	18,409	-
Boston Medical Center	93.847	5P30DK046200-28	22,160	-

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

Mass General Brigham Incorporated and Affiliates
Schedule of Expenditures of Federal Awards
Year Ended September 30, 2021

<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
Boston Medical Center	93.847	5P30DK046200-29	36,667	-
Boston Medical Center	93.847	P30DK046200	7,047	-
Boston Medical Center	93.866	1R01AG066892-01	76,776	-
Boston Medical Center	93.866	1R01AG066892-02	378,881	-
Boston University	93.143	5P42ES007381-23	37,920	-
Boston University School of Medicine	93.866	1RF1AG061706-01	17,061	-
Brain Solutions	93.279	1R42DA043977-01	79,910	-
Brandeis University	93.395	2R01CA142746-11A1	31,970	-
Brandeis University	93.395	5R01CA142746-10	(17,335)	-
Brandeis University	93.865	5R01HD090103-05	19,936	-
Brigham and Women's Hospital	93.172	1U01HG008685-04	(18,146)	-
Brigham and Women's Hospital	93.172	2U01HG008685-05	353,462	-
Brigham and Women's Hospital	93.172	3U01HG008685-05S1	238,457	-
Brigham and Women's Hospital	93.172	3U01HG008685-05S2	217,671	-
Brigham and Women's Hospital	93.172	5U01HG007690-08	13,549	-
Brigham and Women's Hospital	93.173	5R01DC015052-04	7,913	-
Brigham and Women's Hospital	93.242	5R01MH091448-10	72,489	-
Brigham and Women's Hospital	93.242	5R01MH101244-09	336,245	-
Brigham and Women's Hospital	93.242	5U01MH109977-04	95,706	-
Brigham and Women's Hospital	93.242	5U24MH124629-02	504,978	-
Brigham and Women's Hospital	93.279	5R01DA044167-02	16,334	-
Brigham and Women's Hospital	93.286	3U54HL119145-07S1	386,672	-
Brigham and Women's Hospital	93.286	5R21EB025270-03	7,305	-
Brigham and Women's Hospital	93.307	5R01MD011685-04	141,040	-
Brigham and Women's Hospital	93.350	5UH3TR002155-04	164,888	-
Brigham and Women's Hospital	93.394	5R01CA120528-15	76,839	-
Brigham and Women's Hospital	93.394	5R01CA235589-03	198,918	-
Brigham and Women's Hospital	93.394	5R21CA238053-02	48,585	-
Brigham and Women's Hospital	93.395	1P01CA236749-01A1	377,245	-
Brigham and Women's Hospital	93.395	5R01CA207982-05	30,442	-
Brigham and Women's Hospital	93.395	5U10CA031946-32	5,638	-
Brigham and Women's Hospital	93.395	5U10CA180821-08	79,694	-
Brigham and Women's Hospital	93.396	5P01CA120964-12	36,957	-
Brigham and Women's Hospital	93.396	5U01CA214411-04	16,764	-
Brigham and Women's Hospital	93.397	2P50CA165962-06A1	26,848	-
Brigham and Women's Hospital	93.397	2P50CA165962-07	342,547	-
Brigham and Women's Hospital	93.397	5P50CA165962-07	343,022	-
Brigham and Women's Hospital	93.837	5R01HL127118-05	14,322	-
Brigham and Women's Hospital	93.837	5R01HL150401-02	220,567	-

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

Mass General Brigham Incorporated and Affiliates
Schedule of Expenditures of Federal Awards
Year Ended September 30, 2021

<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
Brigham and Women's Hospital	93.837	5U01HL107352-05	88,842	-
Brigham and Women's Hospital	93.837	5U01HL134879-02	2,215	-
Brigham and Women's Hospital	93.837	5U54HL119145-07	44,108	-
Brigham and Women's Hospital	93.846	2R01AR065538-06A1	88,651	-
Brigham and Women's Hospital	93.846	5R01AR065807-23	194,339	-
Brigham and Women's Hospital	93.846	5R01AR074797-03	63,473	-
Brigham and Women's Hospital	93.846	5U01AR068043-04	586	-
Brigham and Women's Hospital	93.846	5U01AR068043-05	22,025	-
Brigham and Women's Hospital	93.846	5U01AR070498-03	174,130	21,781
Brigham and Women's Hospital	93.847	5R01DK102696-05	38,111	-
Brigham and Women's Hospital	93.847	5R01DK104772-05	9,091	-
Brigham and Women's Hospital	93.847	5R01DK125786-02	97,802	-
Brigham and Women's Hospital	93.853	5R21NS104609-02	698	-
Brigham and Women's Hospital	93.855	1R21AI154930-01	110,920	-
Brigham and Women's Hospital	93.855	2UM1AI069412-15	364,795	-
Brigham and Women's Hospital	93.855	5R01AI138800-03	21,877	-
Brigham and Women's Hospital	93.855	5R01AI138801-03	94,544	-
Brigham and Women's Hospital	93.855	5R01AI138999-02	111,196	-
Brigham and Women's Hospital	93.855	5R01AI150295-02	197,987	-
Brigham and Women's Hospital	93.855	5U01AI117841-06	752,158	-
Brigham and Women's Hospital	93.855	5U01AI148306-02	30,471	-
Brigham and Women's Hospital	93.859	5P01GM061354-15	(39,540)	-
Brigham and Women's Hospital	93.859	5R01GM132825-02	26,799	-
Brigham and Women's Hospital	93.865	3R01HD093724-02S1	41,488	-
Brigham and Women's Hospital	93.865	5R01HD093724-04	54,521	-
Brigham and Women's Hospital	93.866	1R01AG070252-01A1	3,929	-
Brigham and Women's Hospital	93.866	1RF1AG063381-01	23,180	-
Brigham and Women's Hospital	93.866	1RF1AG064312-01	81,748	-
Brigham and Women's Hospital	93.866	2P01AG015379-23	310,890	-
Brigham and Women's Hospital	93.866	5P01AG015379-23	537,623	-
Brigham and Women's Hospital	93.866	5R01AG042512-08	124,455	-
Brigham and Women's Hospital	93.866	5R01AG053184-04	345,167	-
Brigham and Women's Hospital	93.866	5R01AG054029-03	412,713	-
Brigham and Women's Hospital	93.866	5R01AG058825-02	357,458	-
Brigham and Women's Hospital	93.866	5R01AG061083-03	366,638	-
Brigham and Women's Hospital	93.866	5R01AG063689-02	131,034	-
Brigham and Women's Hospital	93.866	5R01AG066921-02	31,567	-
Brigham and Women's Hospital	93.866	5R01AG067507-02	62,217	-
Brigham and Women's Hospital	93.867	5R01EY027921-03	13,720	-

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

Mass General Brigham Incorporated and Affiliates
Schedule of Expenditures of Federal Awards
Year Ended September 30, 2021

<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
Brigham and Women's Hospital	93.867	5R24EY028767-01	505,322	-
Broad Institute, Inc.	93.121	U01DE029188	32,328	-
Broad Institute, Inc.	93.172	1R01HG010647-01	45,800	-
Broad Institute, Inc.	93.172	1U24HG011450-01	12,924	-
Broad Institute, Inc.	93.172	5400000947	85,237	-
Broad Institute, Inc.	93.172	5RM1HG006193-09	127,012	-
Broad Institute, Inc.	93.172	5UM1HG008895-04	(5,059)	-
Broad Institute, Inc.	93.172	5UM1HG008900-02	528	-
Broad Institute, Inc.	93.172	5UM1HG008900-04	(11,253)	-
Broad Institute, Inc.	93.172	5UM1HG009390-04	47,594	-
Broad Institute, Inc.	93.172	5UM1HG009435-04	13,530	-
Broad Institute, Inc.	93.172	R01HG009141	19,534	-
Broad Institute, Inc.	93.172	U24HG010262	(1,953)	-
Broad Institute, Inc.	93.172	U41HG009494	(11,600)	-
Broad Institute, Inc.	93.172	UM1HG008895	10,306	-
Broad Institute, Inc.	93.242	1R01MH123451-01	48,576	-
Broad Institute, Inc.	93.242	1RF1MH124598-01	21,429	-
Broad Institute, Inc.	93.242	1U01MH121499-01	66,626	-
Broad Institute, Inc.	93.242	1U01MH124602-01	25,110	-
Broad Institute, Inc.	93.242	2R01MH104964-07	37,851	-
Broad Institute, Inc.	93.242	3U01MH109539-04S1	91,515	-
Broad Institute, Inc.	93.242	5R01MH106595-05	5,242	-
Broad Institute, Inc.	93.242	5R01MH107649-07	31,969	-
Broad Institute, Inc.	93.242	5R01MH115957-02	196,708	-
Broad Institute, Inc.	93.242	5R01MH115957-03	4,591	-
Broad Institute, Inc.	93.242	5R01MH116037-03	3,272	-
Broad Institute, Inc.	93.242	5R01MH120642-02	21,450	-
Broad Institute, Inc.	93.242	5R01MH120642-03	31,347	-
Broad Institute, Inc.	93.242	5U01MH111660-05	37,921	-
Broad Institute, Inc.	93.242	5U01MH115727-03	52,438	-
Broad Institute, Inc.	93.242	5U19MH114821-02	(4,978)	-
Broad Institute, Inc.	93.242	R01MH115957	23,759	-
Broad Institute, Inc.	93.242	U01MH115727	11,408	-
Broad Institute, Inc.	93.242	U01MH119689	5,242	-
Broad Institute, Inc.	93.242	U01MH125047	88,524	-
Broad Institute, Inc.	93.242	U19MH114821	24,913	-
Broad Institute, Inc.	93.279	GR104821 CON-8/1522	26,496	-
Broad Institute, Inc.	93.310	5DP5OD024582-04	132,806	-
Broad Institute, Inc.	93.310	5R01DK113597-04	152,358	-

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

Mass General Brigham Incorporated and Affiliates
Schedule of Expenditures of Federal Awards
Year Ended September 30, 2021

<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
Broad Institute, Inc.	93.353	1307001 / U01DE029188	11,704	-
Broad Institute, Inc.	93.353	5U2CCA33195-03	5,643	-
Broad Institute, Inc.	93.353	U2CCA233238	6,087	-
Broad Institute, Inc.	93.368	1OT2OD002750-01	(1,003)	-
Broad Institute, Inc.	93.368	3OT2OD002750-01S2	350,223	-
Broad Institute, Inc.	93.393	1R01CA231264-01A1	3,906	-
Broad Institute, Inc.	93.393	5U01CA176058-07	24,904	-
Broad Institute, Inc.	93.393	R01CA208756	45,521	-
Broad Institute, Inc.	93.393	U01CA176058	32,328	-
Broad Institute, Inc.	93.393	U01CA242954	(217)	-
Broad Institute, Inc.	93.394	227914	6,969	-
Broad Institute, Inc.	93.394	5R01CA161026-07	(5,084)	-
Broad Institute, Inc.	93.394	5U01CA152990-10	26,043	-
Broad Institute, Inc.	93.394	5U24CA210979-03	20,942	-
Broad Institute, Inc.	93.394	5U24CA210999-05	24,446	-
Broad Institute, Inc.	93.394	U01CA214125	25,555	-
Broad Institute, Inc.	93.394	U24CA210979	26,065	-
Broad Institute, Inc.	93.394	U24CA210986	143,887	-
Broad Institute, Inc.	93.394	U24CA210999	117,809	-
Broad Institute, Inc.	93.395	1P01CA229092-01A1	15,247	-
Broad Institute, Inc.	93.395	5P01CA206978	24,446	-
Broad Institute, Inc.	93.396	1UH3CA246632-01	(1,918)	-
Broad Institute, Inc.	93.396	2R01CA155010	(1,032)	-
Broad Institute, Inc.	93.396	UH3CA246632	24,776	-
Broad Institute, Inc.	93.397	2P50CA127003-12_A1	911	-
Broad Institute, Inc.	93.837	1R01HL142711-01A1	13,024	-
Broad Institute, Inc.	93.837	1R01HL148050-02	13,023	-
Broad Institute, Inc.	93.837	3OT3HL142481	29,936	-
Broad Institute, Inc.	93.837	5R01HL143295-02	276,127	-
Broad Institute, Inc.	93.837	R01HL131015	4,854	-
Broad Institute, Inc.	93.837	R01HL138737	(2,102)	-
Broad Institute, Inc.	93.837	R01HL143295	(22,610)	-
Broad Institute, Inc.	93.837	Number Not Available	30,692	-
Broad Institute, Inc.	93.838	1U01HL148856-02	868	-
Broad Institute, Inc.	93.839	1R01HL18565-02	12,872	-
Broad Institute, Inc.	93.839	R01HL48565	5,203	-
Broad Institute, Inc.	93.846	1UH2AR06788-05	(2,470)	-
Broad Institute, Inc.	93.846	3UH2AR067694-05S2	(431)	-
Broad Institute, Inc.	93.846	R01AR061445	(583)	-

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

Mass General Brigham Incorporated and Affiliates
Schedule of Expenditures of Federal Awards
Year Ended September 30, 2021

<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
Broad Institute, Inc.	93.846	Number Not Available	3,288	-
Broad Institute, Inc.	93.847	2P30DK043351-31	1,052	-
Broad Institute, Inc.	93.847	2UM1DK105554-06	1,969	-
Broad Institute, Inc.	93.847	3UH3DK114907-03S1	6,881	-
Broad Institute, Inc.	93.847	5400000499	(2,950)	-
Broad Institute, Inc.	93.847	5R01DK075787-14	9,358	-
Broad Institute, Inc.	93.847	5R01DK099465-07	62,836	-
Broad Institute, Inc.	93.847	5R01DK105154-05	112,895	-
Broad Institute, Inc.	93.847	5R01DK120485-03	7,719	-
Broad Institute, Inc.	93.847	5R21DK110499-05	10,084	-
Broad Institute, Inc.	93.847	5RC2DK114784-05	85,396	-
Broad Institute, Inc.	93.847	5U01DK105554-04	394	-
Broad Institute, Inc.	93.847	5U01DK123717-02	9,324	-
Broad Institute, Inc.	93.847	FP068366-01A/5400000790/5400000943	31,301	-
Broad Institute, Inc.	93.847	R01DK105154	40,551	-
Broad Institute, Inc.	93.847	RC2DK114784	6,704	-
Broad Institute, Inc.	93.847	UWSC12163	2,580	-
Broad Institute, Inc.	93.853	5400000625	27,525	-
Broad Institute, Inc.	93.853	5R01NS102371-04	5,242	-
Broad Institute, Inc.	93.855	112673	3,552	-
Broad Institute, Inc.	93.855	1R01AI153405	116,964	-
Broad Institute, Inc.	93.855	1R21AI154099-01	25,200	-
Broad Institute, Inc.	93.855	1U19AI142784-01	(5,885)	-
Broad Institute, Inc.	93.855	2U19AI110495-06	(677)	-
Broad Institute, Inc.	93.855	5P01AI129880-02	(1,011)	-
Broad Institute, Inc.	93.855	5U19AI089992-09	2,573	-
Broad Institute, Inc.	93.855	5U19AI110483-07	1,080	-
Broad Institute, Inc.	93.855	5U19AI110818-08	17,430	-
Broad Institute, Inc.	93.855	5U19AI142780-03	756,153	-
Broad Institute, Inc.	93.855	CNVA00059942 1316161	6,225	-
Broad Institute, Inc.	93.855	GMO 1904409	15,548	-
Broad Institute, Inc.	93.855	R01AI132300	39,294	-
Broad Institute, Inc.	93.855	R56AI137244	(3,762)	-
Broad Institute, Inc.	93.855	U19AI082630	4,675	-
Broad Institute, Inc.	93.855	U19AI13324	16,144	-
Broad Institute, Inc.	93.855	U19AI142780	28,814	-
Broad Institute, Inc.	93.855	U24AI118668	23,376	-
Broad Institute, Inc.	93.859	R35GM122455	6,241	-
Broad Institute, Inc.	93.865	U24HD090743	13,026	-

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

**Mass General Brigham Incorporated and Affiliates
Schedule of Expenditures of Federal Awards
Year Ended September 30, 2021**

<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
Broad Institute, Inc.	93.866	1R21AG067585-01A1	6,188	-
Broad Institute, Inc.	93.866	DP2AG058488	57,045	-
Broad Institute, Inc.	93.867	5400000744	13,026	-
Brown University	93.173	1U01DC017844-01	119,410	-
Brown University	93.213	5UH2AT009145-05	8,554	-
Brown University	93.310	1R03DE030179-01	117,227	-
Brown University	93.310	3U54AG063546-02S2	7,161	-
Brown University	93.398	5R01CA201262-05	102,378	-
Brown University	93.847	1R01DK127585-01	1,414	-
Brown University	93.853	5R01NS079533-09	111,483	-
Brown University	93.853	5R01NS113141-03	458,561	-
Brown University	93.865	R03HD099428-01	23,039	-
Brown University	93.866	5U54AG063546-02	87,113	-
Brown University	93.866	5U54AG063546-03	160,330	114,936
Butler Hospital	93.242	5R01MH112674-04	96,858	-
Cambridge Hospital	93.393	5R01CA229355-02	29,507	-
Carolinas HealthCare System	93.121	5R01DE023375-05	(774)	-
Carolinas HealthCare System	93.121	5U01DE022939-08	44,766	-
Case Western Reserve University	93.279	5R01DA043263-05	(182)	-
Case Western Reserve University	93.838	5R01HL094585-08	11,348	-
Case Western Reserve University	93.847	5U01DK094157-11	337,605	-
Case Western Reserve University	93.855	5R01AI124348-05	(21,686)	-
Case Western Reserve University	93.867	5R01EY027134-02	(579)	-
Cedar-Sinai Medical Center	93.393	5R01CA211707-02	177,766	-
Cedar-Sinai Medical Center	93.394	5R01CA201709-04	26,828	-
Cedar-Sinai Medical Center	93.395	5U01CA232859-04	32,717	-
Cedar-Sinai Medical Center	93.837	1R01HL151828-01A1	45	-
Cedar-Sinai Medical Center	93.837	5R01HL126938-04	(17,350)	-
Cedar-Sinai Medical Center	93.837	5R01HL131532-05	134	-
Cedar-Sinai Medical Center	93.837	7R01HL131532-04	(31,877)	-
Cedar-Sinai Medical Center	93.837	7R01HL134168-04	(485)	-
Cedar-Sinai Medical Center	93.866	5R01AG058911-03	255,407	-
Cedar-Sinai Medical Center	93.866	5U54AG065141-02	31,819	-
Cessation Therapeutics	93.279	U01DA051071-01A1	157,287	-
Children's Hospital Corporation dba Boston Children's Hospital	93.233	5R01HL137192-04	324,651	-
Children's Hospital Corporation dba Boston Children's Hospital	93.242	1RF1MH122967-01	82,967	-
Children's Hospital Corporation dba Boston Children's Hospital	93.279	3R34DA050289-01S2	5,826	-
Children's Hospital Corporation dba Boston Children's Hospital	93.279	R34DA050289-01S3	17,058	-
Children's Hospital Corporation dba Boston Children's Hospital	93.351	5R21OD029996-02	108,339	-

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

**Mass General Brigham Incorporated and Affiliates
Schedule of Expenditures of Federal Awards
Year Ended September 30, 2021**

<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
Children's Hospital Corporation dba Boston Children's Hospital	93.837	1OT2HL152639-01	(6,068)	-
Children's Hospital Corporation dba Boston Children's Hospital	93.837	1R01HL156362-01	53,636	-
Children's Hospital Corporation dba Boston Children's Hospital	93.837	2U01HL098147-12	210,978	-
Children's Hospital Corporation dba Boston Children's Hospital	93.838	2R01HL118455-05	24,541	-
Children's Hospital Corporation dba Boston Children's Hospital	93.839	1DP2HL137300-01	26,800	-
Children's Hospital Corporation dba Boston Children's Hospital	93.839	1OT2HL154984-01	136,009	-
Children's Hospital Corporation dba Boston Children's Hospital	93.839	1OT2HL154984-01	3,405	-
Children's Hospital Corporation dba Boston Children's Hospital	93.839	5P01HL095489-09	32,014	-
Children's Hospital Corporation dba Boston Children's Hospital	93.839	5P01HL095489-10	123,556	-
Children's Hospital Corporation dba Boston Children's Hospital	93.847	1R01DK126448-01	132,172	-
Children's Hospital Corporation dba Boston Children's Hospital	93.847	1R21DK118951-01	9,035	-
Children's Hospital Corporation dba Boston Children's Hospital	93.847	2P30DK034854-36	7,576	-
Children's Hospital Corporation dba Boston Children's Hospital	93.847	2R01DK048106-28	10,178	-
Children's Hospital Corporation dba Boston Children's Hospital	93.847	5P30DK034854-32	33,694	-
Children's Hospital Corporation dba Boston Children's Hospital	93.847	5P30DK034854-35	8,393	-
Children's Hospital Corporation dba Boston Children's Hospital	93.847	5R01DK125273-02	208,793	-
Children's Hospital Corporation dba Boston Children's Hospital	93.853	5R01NS080833-10	62,916	-
Children's Hospital Corporation dba Boston Children's Hospital	93.853	5R01NS109475-02	45,201	-
Children's Hospital Corporation dba Boston Children's Hospital	93.855	1R56AI147950-01	17,729	-
Children's Hospital Corporation dba Boston Children's Hospital	93.855	3R01AI065617-20S1	44,779	-
Children's Hospital Corporation dba Boston Children's Hospital	93.855	3U19AI118608-05S2	192,954	-
Children's Hospital Corporation dba Boston Children's Hospital	93.855	3U19AI118608-05S3	169,016	-
Children's Hospital Corporation dba Boston Children's Hospital	93.855	5P01AI089618-10	190,646	-
Children's Hospital Corporation dba Boston Children's Hospital	93.855	5R01AI126915-05	120,603	-
Children's Hospital Corporation dba Boston Children's Hospital	93.855	5U01AI126614-06	46,222	-
Children's Hospital Corporation dba Boston Children's Hospital	93.855	5U01AI143514-03	18,635	-
Children's Hospital Corporation dba Boston Children's Hospital	93.859	1R01GM127600-01A1	26,139	-
Children's Hospital Corporation dba Boston Children's Hospital	93.865	1K08HD100595-01A1	1,700	-
Children's Hospital Corporation dba Boston Children's Hospital	93.865	1R01HD100009-01	100,432	-
Children's Hospital Corporation dba Boston Children's Hospital	93.865	1U01HD087211-01	10	-
Children's Hospital Corporation dba Boston Children's Hospital	93.865	5R01HD065762-10	94,785	-
Children's Hospital Corporation dba Boston Children's Hospital	93.865	5R01HD100009-03	39,163	-
Children's Hospital Corporation dba Boston Children's Hospital	93.865	5R21HD096355-02	(95)	-
Children's Hospital Corporation dba Boston Children's Hospital	93.867	5R01EY025794-03	82,465	-
Children's Hospital Corporation dba Boston Children's Hospital	93.867	5R01EY025794-05	77,005	-
Children's Hospital Los Angeles	93.838	5R01HL141352-04	256,047	-
Children's Hospital Los Angeles	93.838	5R01HL146541-03	208,008	-
Children's Hospital Medical Center	93.172	5R01HG010730-02	162,521	-
Children's Hospital Medical Center	93.838	5U01HL148856-03	98,567	-

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

**Mass General Brigham Incorporated and Affiliates
Schedule of Expenditures of Federal Awards
Year Ended September 30, 2021**

<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
Children's Hospital Medical Center	93.855	1R01AI148276-01	36,276	-
Children's Hospital of Philadelphia	93.233	5R61HL151253-02	118,428	-
Children's Hospital of Philadelphia	93.853	1U01NS111671-01	67,911	-
Children's Hospital of Philadelphia	93.853	3U01NS111671-01S1	80,905	-
Children's Hospital of Philadelphia	93.853	5U54NS115052-02	182,665	-
Cincinnati Children's Hospital Medical Center	93.396	1R01CA240317-02	108,762	-
Cincinnati Children's Hospital Medical Center	93.837	5R01HL151604-02	14,184	-
Cincinnati Children's Hospital Medical Center	93.837	5U01HL131003-05	83,158	-
Cincinnati Children's Hospital Medical Center	93.846	5P30AR070549-05	7,185	-
Cleveland Clinic Foundation Group Return	93.838	5U01HL125177-05	160,430	-
Cleveland Clinic Foundation Group Return	93.846	R01AR074131-02	21,884	-
Cleveland Clinic Lerner College of Medicine	93.839	4UH3HL140097-02	564	-
Clinitech	93.273	2R44AA026123-02	369,614	-
Collagen Medical	93.286	1R43EB029773-01	44,827	-
Collagen Medical	93.394	1R44CA250771-01	96,814	-
Collagen Medical	93.866	4R44AG059524-02	31,618	-
Columbia University	93.837	5R01HL127464-04	42,886	-
Columbia University	93.866	5U01AG051412-05	770,463	-
Columbia University Irving Medical Center	93.307	5R21MD013991-02	14,089	-
Columbia University Irving Medical Center	93.837	1R01HL157216-01	16,878	-
Columbia University Medical Center	93.361	5R01NR016941-05	160,212	-
Columbia University Medical Center	93.846	5R01AR068425-05	22,025	-
Columbia University Medical Center	93.866	5U01AG051412-05	707,108	-
Cook Children's Health Care System	93.853	5R01NS104116-03	150,064	-
Cook Children's Health Care System	93.853	7R21NS 101373-03	45,957	-
Cook Children's Medical Center	93.865	7R21HD090549-03	20,062	-
Cornell University	93.879	5R01LM012719-04	29,530	-
CorticoMetrics	93.866	R42AG062026	145,623	-
CREcare	93.865	1R41HD097844-01A1	(2,150)	-
Dana Farber Cancer Institute	93.113	5U01ES029520-02	(4,954)	-
Dana Farber Cancer Institute	93.121	5R01DE027736-04	104,891	-
Dana Farber Cancer Institute	93.172	2U24HG004059-17	26,412	-
Dana Farber Cancer Institute	93.286	R56EB027683	42,250	-
Dana Farber Cancer Institute	93.353	1U01CA250549-01	6,447	-
Dana Farber Cancer Institute	93.353	1U01DE029188-01	218,207	-
Dana Farber Cancer Institute	93.353	1U2CCA233195	26,574	-
Dana Farber Cancer Institute	93.353	1U2CCA233195-01	7,747	-
Dana Farber Cancer Institute	93.353	1U2CCA233195-03	10,328	-
Dana Farber Cancer Institute	93.353	1U54CA231637-01	601,226	-

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

Mass General Brigham Incorporated and Affiliates
Schedule of Expenditures of Federal Awards
Year Ended September 30, 2021

<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
Dana Farber Cancer Institute	93.353	2P01CA163222	12,090	-
Dana Farber Cancer Institute	93.353	3P30CA006516-55S1	31,550	-
Dana Farber Cancer Institute	93.353	3R01CA176745-07S1	(40)	-
Dana Farber Cancer Institute	93.353	5P01CA154303-09	(295)	-
Dana Farber Cancer Institute	93.353	5U2CCA233195-03	100,186	-
Dana Farber Cancer Institute	93.353	R33CA246455-02	20,297	-
Dana Farber Cancer Institute	93.353	U24CA224331	24,172	-
Dana Farber Cancer Institute	93.393	5R01CA204954-05	70,174	-
Dana Farber Cancer Institute	93.393	5U01CA218651-04	4,212	-
Dana Farber Cancer Institute	93.393	R01CA248857-01	27,861	-
Dana Farber Cancer Institute	93.394	2R01CA161026-10	13,542	-
Dana Farber Cancer Institute	93.394	2R01CA188446-06A1	16,029	-
Dana Farber Cancer Institute	93.394	3U01CA210171-05S1	31,866	-
Dana Farber Cancer Institute	93.394	5R01CA188446-05	(3,759)	-
Dana Farber Cancer Institute	93.394	5R01CA188446-07	33,179	-
Dana Farber Cancer Institute	93.394	5R01CA214912-04	12,630	-
Dana Farber Cancer Institute	93.394	5R01CA221874-03	14,980	-
Dana Farber Cancer Institute	93.394	5R01CA239042-03	98,266	-
Dana Farber Cancer Institute	93.394	5R01CA240592-02	5,797	-
Dana Farber Cancer Institute	93.394	5U01CA190234-05	171	-
Dana Farber Cancer Institute	93.394	5U01CA200468-05	10,259	-
Dana Farber Cancer Institute	93.394	5U01CA210171-04	(1)	-
Dana Farber Cancer Institute	93.394	5U24CA194354-05	162,496	-
Dana Farber Cancer Institute	93.394	R01 CA240582-01	51,296	-
Dana Farber Cancer Institute	93.394	R01CA240582-01	16,029	-
Dana Farber Cancer Institute	93.395	1P01CA229092-02	58,268	-
Dana Farber Cancer Institute	93.395	1R01CA25868-01	32,386	-
Dana Farber Cancer Institute	93.395	2UM1CA186709-06	157,149	-
Dana Farber Cancer Institute	93.395	5P01CA066996-16A1	12,857	-
Dana Farber Cancer Institute	93.395	5P01CA142106-15	2,921	-
Dana Farber Cancer Institute	93.395	5R01CA200977-05	(757)	-
Dana Farber Cancer Institute	93.395	5R01CA205406-05	86,732	-
Dana Farber Cancer Institute	93.395	5R01CA240804-02	270,479	-
Dana Farber Cancer Institute	93.395	5U01CA190234-05	(90)	-
Dana Farber Cancer Institute	93.395	5UM1CA186709-04	16,558	-
Dana Farber Cancer Institute	93.395	5UM1CA186709-05	(7,019)	-
Dana Farber Cancer Institute	93.395	P01CA066996-21	16,353	-
Dana Farber Cancer Institute	93.395	U01CA180886	12,824	-
Dana Farber Cancer Institute	93.395	U10CA180821-07	12,931	-

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

Mass General Brigham Incorporated and Affiliates
Schedule of Expenditures of Federal Awards
Year Ended September 30, 2021

Cluster Title/Federal Program/Pass-Through Program	Assistance Listing Number	Direct Award or Pass-Through Entity Identifying Number	Total Expenditures	Subrecipient Expenditures
Research and Development Continued				
Dana Farber Cancer Institute	93.396	2R01CA181217-06A1	35,314	-
Dana Farber Cancer Institute	93.396	5P01CA233412-02	75,861	-
Dana Farber Cancer Institute	93.396	5P01CA233412-03	(15,059)	-
Dana Farber Cancer Institute	93.396	5R01CA238039-03	73,775	-
Dana Farber Cancer Institute	93.396	5R01CA246653-02	148,033	-
Dana Farber Cancer Institute	93.396	5R35CA197632-04	(1,302)	-
Dana Farber Cancer Institute	93.396	5U01CA232161-04	313,841	-
Dana Farber Cancer Institute	93.396	7U01CA199252-05	233,848	-
Dana Farber Cancer Institute	93.396	P01CA250959	179,597	-
Dana Farber Cancer Institute	93.397	1P50CA240243-01A1	401,970	-
Dana Farber Cancer Institute	93.397	2P50CA127003-11A1	(10,846)	-
Dana Farber Cancer Institute	93.397	2P50CA127003-12	132,472	-
Dana Farber Cancer Institute	93.397	2P50CA168504-07	230,331	-
Dana Farber Cancer Institute	93.397	2P50CA168504-7	21,875	-
Dana Farber Cancer Institute	93.397	3P30CA006516-51S4	(11,383)	-
Dana Farber Cancer Institute	93.397	3P30CA006516-53S7	10,505	-
Dana Farber Cancer Institute	93.397	3P30CA006516-55S5	247,473	160,146
Dana Farber Cancer Institute	93.397	3U54CA193461-05S1	76,341	-
Dana Farber Cancer Institute	93.397	5P30CA006516-54	1,176	-
Dana Farber Cancer Institute	93.397	5P30CA006516-56	1,685,638	-
Dana Farber Cancer Institute	93.397	5P30CA006516-56	321,674	-
Dana Farber Cancer Institute	93.397	5P50CA127003-10	9,935	-
Dana Farber Cancer Institute	93.397	5P50CA127003-12	423,723	-
Dana Farber Cancer Institute	93.397	5P50CA127003-12	190,259	-
Dana Farber Cancer Institute	93.397	5P50CA168504-07	143,380	-
Dana Farber Cancer Institute	93.397	5P50CA206963-04	(1)	-
Dana Farber Cancer Institute	93.397	5P50CA206963-05	269,252	-
Dana Farber Cancer Institute	93.397	5P50CA206963-06	100,721	-
Dana Farber Cancer Institute	93.397	5P50CA240243-02	26,097	-
Dana Farber Cancer Institute	93.397	5U54CA156732-10	90,437	-
Dana Farber Cancer Institute	93.397	5U54CA193461-04	22,393	-
Dana Farber Cancer Institute	93.397	5U54CA193461-05	(5,583)	-
Dana Farber Cancer Institute	93.397	5UM1CA186709-05	(5,508)	-
Dana Farber Cancer Institute	93.397	P50CA240243	200,206	-
Dana Farber Cancer Institute	93.399	1UG1CA233180-01	1,135	-
Dana Farber Cancer Institute	93.399	5UG1CA233180-02	28,556	-
Dana Farber Cancer Institute	93.399	5UG1CA233180-03	6,849	-
Dana Farber Cancer Institute	93.839	5UG1HL069249-21	12,616	-
Dana Farber Cancer Institute	93.847	5R01DK124384-02	32,444	-

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

**Mass General Brigham Incorporated and Affiliates
Schedule of Expenditures of Federal Awards
Year Ended September 30, 2021**

<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
Dana Farber Cancer Institute	93.853	5R01NS091620-05	(5,439)	-
Dana Farber Cancer Institute	93.866	3UH3AG060626-03S1	15,662	-
Dana Farber Cancer Institute	93.866	5UH3AG060626-04	212,336	-
Dartmouth Hitchcock Medical Center	93.393	1R01CA243449-01A1	105,699	-
Dartmouth-Hitchcock Clinic	93.242	5R01MH110965-05	33,594	-
Dartmouth-Hitchcock Clinic	93.865	5R01HD067270-11	57,061	-
Dartmouth-Hitchcock Clinic	93.865	R01HD067270	27,892	-
Dimagi, Inc	93.307	1R43MD014916-01	53,007	-
Duke NUS Graduate Medical School	93.855	5R01AI139032-04	16,873	-
Duke University	93.286	5R01EB028143-03	263,640	-
Duke University	93.393	1U54CA231630-01A1	95,905	-
Duke University	93.393	5R01CA235677-02	76,012	-
Duke University	93.837	5R01HL146145-02	281,046	-
Duke University	93.837	5U10HL084904-12	177,317	-
Duke University	93.837	U01HL134679-02	6,849	-
Duke University	93.853	5R01NS113541-02	173,597	-
Duke University	93.855	5R01AI139425-03	21,084	-
Duke University	93.866	1RF1AG051550-01	(5,308)	-
Duke University	93.866	5R01AG062770-03	24,547	-
ECOG-ACRIN Medical Research Foundation	93.394	5U24CA196172-05S1	(72)	-
ECOG-ACRIN Medical Research Foundation	93.394	5U24CA196172-07	10,679	-
ECOG-ACRIN Medical Research Foundation	93.395	2UM1CA121947-14	3,210	-
ECOG-ACRIN Medical Research Foundation	93.395	5U10CA180820-08	222,347	-
ECOG-ACRIN Medical Research Foundation	93.399	5UG1CA189828-07	59,458	-
Emory University	93.837	5R01HL119798-08	7,712	-
Emory University	93.839	5R01HL138656-04	61,924	-
Emory University	93.855	2P30AI050409-20	11,760	-
Emory University	93.855	5R01AI051231-20	290,049	-
Emory University	93.855	5U19AI110483-08	52,781	-
Emory University	93.855	5U19AI110483-08	240,592	-
Emory University	93.866	5R01AG058704-04	30,267	-
Environment and Health Group, Inc.	93.307	2R44MD009454-03	100,025	-
Erasmus University Medical Center	93.855	1R01AI147330-01	432,300	-
Expesicor	93.853	1R43NS115294-01	153,650	-
ExQor Technologies	93.866	4R44AG05834302	112,124	-
Eyenexo	93.867	1R43EY028778-01	(5,001)	-
EyePhone	93.867	5R44EY025902-03	3,380	-
Feinstein Institutes for Medical Research	93.846	5UH2AR067694-05	226,448	-
Feinstein Institutes for Medical Research	93.855	5UH2AR067688-05	47,293	-

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

Mass General Brigham Incorporated and Affiliates
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<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
Fenway Community Health Center	93.279	1R01DA047933-01	(61)	-
Fenway Community Health Center	93.279	523DA044874-03	8,159	-
Fenway Community Health Center	93.279	5R01DA044112-02	8,276	-
Fenway Community Health Center	93.279	5R01DA047045-04	16,773	-
Fenway Community Health Center	93.307	5R01MD013498-04	11,140	-
Fenway Community Health Center	93.855	2UMAI068619-15	8,752	-
FHC	93.242	1R41MH11980401	33,181	-
FHC	93.242	3R41MH119804-01S1	33,219	-
FHI 360	93.855	5UM1A1068619-12	69,953	-
FHI 360	93.855	UM1AI068619	528,941	-
Fertility Inc.	93.865	6R44HD099040-03	157,571	-
Florida International University	93.279	U01DA040381	9,926	-
Florida International University	93.396	7U01CA225644-03	17,633	-
Florida International University	93.855	1R21AI146368-01	29,323	-
FluGen	93.855	R42AI120269-03	23,151	-
Forsyth Institute, The	93.121	5R01DE025020-07	53,341	-
Fox Chase Cancer Center	93.859	5R01GM097360-10	4,646	-
Fred Hutchinson Cancer Research Center	93.393	1R01CA248857-01	159,852	-
Fred Hutchinson Cancer Research Center	93.393	5R01CA215134-04	14,632	-
Fred Hutchinson Cancer Research Center	93.393	5U01CA137088-09	(1,090)	-
Fred Hutchinson Cancer Research Center	93.394	5U01CA214114-05	85,846	-
Fred Hutchinson Cancer Research Center	93.394	5U01CA214172-05	14,586	-
Fred Hutchinson Cancer Research Center	93.855	2UM1AI068614-15	222,430	-
Fred Hutchinson Cancer Research Center	93.855	3UM1AI068614-14S1	4,878,463	-
Fred Hutchinson Cancer Research Center	93.855	3UM1AI068614-14S1	39,815	-
Fred Hutchinson Cancer Research Center	93.855	5UM1AI068614-12	24,088	-
Fred Hutchinson Cancer Research Center	93.855	5UM1AI068614-14	56,672	-
Fred Hutchinson Cancer Research Center	93.866	5R01AG048209-05	24,826	-
Function Promoting Therapies, LLC	93.866	2R44AG045011-02	(28,769)	-
George Washington University	93.837	5R01HL140977-02	(12)	-
George Washington University	93.837	5R01HL140977-04	274,229	-
George Washington University	93.847	5U01DK061230-16	52,583	-
George Washington University	93.847	5U01DK098246-08	777,437	-
George Washington University	93.847	R01DK104845	(1,911)	-
George Washington University	93.853	5U54NS115054-02	20,605	-
Georgetown University	93.989	R21TW010789	6,448	-
GHESKIO Centers	93.855	4UM1AI069421-15	81,610	-
Giner, Inc.	93.865	1R43HD098994-01	31,585	-
Glyciome, LLC	93.394	1R41CA254543-01A1	6,623	-

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

**Mass General Brigham Incorporated and Affiliates
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<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
Hackensack University Medical Center	93.395	5R01CA212639-04	49,343	-
Harvard Pilgrim Health Care	93.393	5R00CA201542-03	6,929	-
Harvard Pilgrim Health Care	93.837	1R01HL150119-01A1	179,700	-
Harvard Pilgrim Health Care	93.855	1R56A1150864-01	89,864	-
Harvard Pilgrim Health Care	93.865	1R01HD094150-03	85,465	-
Harvard Pilgrim Health Care	93.865	5R01HD085993-05	73,480	-
Harvard Pilgrim Health Care	93.865	5R01HD090019-04	(2,044)	-
Harvard Pilgrim Health Care	93.865	R01HD034568-19	106,123	-
Harvard School of Public Health	93.855	5UM1AI069456-14	(49,838)	-
Harvard University	93.837	5U19HL129903-05	25,634	-
Hebrew Rehabilitation Center for Aged	93.853	3P01AG031720-07S1	66	-
Hebrew Rehabilitation Center for Aged	93.866	1R01AG059089	19,958	-
Hebrew Rehabilitation Center for Aged	93.866	5P01AG031720-07	82,077	-
Hebrew Rehabilitation Center for Aged	93.866	5P01AG031720-08	11,968	-
Hebrew Rehabilitation Center for Aged	93.866	5P01AG031720-09	73,454	-
Hebrew Rehabilitation Center for Aged	93.866	5R01AG025037-13	22,698	-
Hebrew Rehabilitation Center for Aged	93.866	90083	182,113	-
Hebrew Senior Life	93.846	R01AR075346	8,951	-
Hebrew Senior Life	93.866	5P01AG031720-07	16,067	-
Hebrew Senior Life	93.866	5P01AG031720-09	85,978	-
Hebrew Senior Life	93.866	5R21AG060227-02	13,866	-
Hebrew Senior Life	93.866	90103	76,303	-
Hebrew Senior Life	93.866	P01AG031720	6,174	-
Hebrew Senior Life	93.866	R01AG044518-06A1	12,660	-
Hennepin Healthcare Research Institute	93.279	3UG1DA040316-07S2	311,498	-
Hennepin Healthcare Research Institute	93.866	3U19AG062682-02S1	46,488	-
Hennepin Healthcare Research Institute	93.866	5U19AG062682-03	106,091	-
Highland Instruments	93.213	5R44AT008637-03	(13,472)	-
Highland Instruments	93.846	1R44AR076885-01	10,771	-
Highland Instruments	93.853	1R44NS110237-01	23,869	-
Highland Instruments	93.866	1R44AG055360-01	263,089	-
Huntington Medical Research Institute	93.242	7R01MH110438-05	8,002	-
Huntington Medical Research Institute	93.853	5R01NS100808-05	19,188	-
Icahn School of Medicine at Mount Sinai	93.242	5P50MH096890-10	93,301	-
Icahn School of Medicine at Mount Sinai	93.286	R01EB030549-01A1	1,837	-
Icahn School of Medicine at Mount Sinai	93.393	5R01CA203193-05	16,085	-
Icahn School of Medicine at Mount Sinai	93.393	5R01CA210806-04	26,631	-
Icahn School of Medicine at Mount Sinai	93.837	5P01HL131478-05	638,661	-
Icahn School of Medicine at Mount Sinai	93.837	5R01HL144072-03	227,333	-

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

**Mass General Brigham Incorporated and Affiliates
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<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
Icahn School of Medicine at Mount Sinai	93.837	5R01HL147328-03	56,224	-
Icahn School of Medicine at Mount Sinai	93.837	5U01HL088942-14	48,477	-
Icahn School of Medicine at Mount Sinai	93.853	1RF1NS115268-01	292,773	-
Icahn School of Medicine at Mount Sinai	93.853	5U01NS107016-03	98,708	-
Icahn School of Medicine at Mount Sinai	93.855	5U19AI118610-05	(8,292)	-
Icahn School of Medicine at Mount Sinai	93.859	5R35GM124836-04	51,638	-
Icahn School of Medicine at Mount Sinai	93.866	1P01AG066605-01	77,959	-
Icahn School of Medicine at Mount Sinai	93.866	5R01AG052557-05	11,566	-
Icahn School of Medicine at Mount Sinai	93.866	5R01AG053509-05	271,082	-
Icahn School of Medicine at Mount Sinai	93.866	5U24AG059624-02	3,831	-
Icahn School of Medicine at Mount Sinai	93.867	2R01EY015473-14A1	23,139	-
Icahn School of Medicine at Mount Sinai	93.867	5R01EY015473-17	369,225	-
Integrated BioTherapeutics, Inc	93.855	1R43AI136143	68,273	-
Intelon Optics	93.867	1R41EY028820-01A1	6,730	-
International Agency for Research on Cancer	93.273	5R01AA024770-04	2,490	-
International Agency for Research on Cancer	93.310	7U19CA203654	25,187	-
International Agency for Research on Cancer	93.394	1U01CA195603	(1,026)	-
IQ Medical Imaging	93.394	2R42CA192600-02	193,176	-
IQ Medical Imaging	93.394	5R42CA189637-03	315,435	-
Jackson Laboratory	93.172	5U24HG007497-07	202,039	-
Joan & Sanford I. Weill Medical College of Cornell University	93.838	1R61HL153011-01	137,735	-
Joan & Sanford I. Weill Medical College of Cornell University	93.838	5P01HL114501-05	(1)	-
Joan & Sanford I. Weill Medical College of Cornell University	93.853	5UH3NS095554-04	55,545	-
Joan & Sanford I. Weill Medical College of Cornell University	93.855	3U19AI111143-07S1	11,016	-
Johns Hopkins Hospital	93.866	3R01AG050515-04S1	54,006	-
Johns Hopkins University	93.172	5U24HG010263-04	163,533	-
Johns Hopkins University	93.173	5U01DC013778-05	(7,226)	-
Johns Hopkins University	93.173	5U01DC013778-05	(2,695)	-
Johns Hopkins University	93.242	5P50MH115842-03	20,255	-
Johns Hopkins University	93.242	5R01MH104553-05	(1)	-
Johns Hopkins University	93.394	5U01CA230691-02	17,808	-
Johns Hopkins University	93.395	5UM1CA137443-10	9,781	-
Johns Hopkins University	93.846	4UH3AR077360-02	15,473	-
Johns Hopkins University	93.847	3R24DK099803-05S1	(59)	-
Johns Hopkins University	93.847	5R01DK124782-02	220,972	-
Johns Hopkins University	93.847	5R24DK099803-05	1,920	-
Johns Hopkins University	93.847	5U34DK120051-02	(13)	-
Johns Hopkins University	93.855	2UM1AI068632-15	53,230	-
Johns Hopkins University	93.855	3U24AI118633-05S1	131,941	-

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

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<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
Johns Hopkins University	93.855	3UH3AI133669-04S2	142,211	-
Johns Hopkins University	93.855	5U01AI125290-05	(12,926)	-
Johns Hopkins University	93.855	5U24AI118633-05	58	-
Johns Hopkins University	93.855	5UM1AI068632-14	6,532	-
Johns Hopkins University	93.855	5UM2AI130836-05	660,938	-
Johns Hopkins University	93.866	5R01AG049872-05	179	-
Johns Hopkins University	93.866	5R01AG050515-04	5,520	-
Johns Hopkins University	93.866	5R01AG053100-05	65,631	-
Johns Hopkins University	93.867	5U10EY024527-04	26	-
Johns Hopkins University	93.867	5U10EY024527-05	46,295	-
Johns Hopkins University	93.867	7UG1EY028096-02	26,802	-
Johns Hopkins University School of Medicine	93.866	5R01AG050515-05	236,696	-
Joslin Diabetes Center	93.847	3R01DK077097-13S1	44,420	-
Joslin Diabetes Center	93.847	5R01DK125677-02	15,163	-
Joslin Diabetes Center	93.847	5U01DK114156-04	19,076	-
Joslin Diabetes Center	93.847	5U01DK116102-04	8,181	-
Joslin Diabetes Center	93.847	7R01DK121995-03	10,080	-
Joslin Diabetes Center	93.847	R01DK121995	2,436	-
Joslin Diabetes Center	93.847	R01DK122808	204,277	-
Joslin Diabetes Center	93.847	U01DK114156	38,795	-
Joslin Diabetes Center	93.866	3P30DK036836-34S2	86,182	-
Kaiser Foundation Research Institute	93.393	R01CA241623	52,884	-
Kaiser Foundation Research Institute	93.847	2R01DK085070	(1,176)	-
Kaiser Permanente Division of Research	93.396	R01CA251589	30,327	-
King's College London	93.242	5R01MH114708-04	221,377	-
Kitware, Inc	93.286	2R01EB014955-05	59,763	-
Kitware, Inc	93.286	5R01EB021396-04	(9)	-
La Jolla Institute for Immunology	93.855	3U19AI142790-02S1	73,225	-
La Jolla Institute for Immunology	93.855	5U19AI142790-03	401,429	-
London School of Hygiene & Tropical Medicine	93.242	7R01MH115504-02	25,645	-
Ludwig Institute for Cancer Research	93.310	5R01NS112503-02	464,227	-
Lumicell	93.394	5R44CA211013-02	117,994	-
Maine Medical Center	93.847	5R24DK092759-09	259,724	-
Masonic Medical Research Institute	93.837	R01HL102368-09	96,328	-
Mass General Brigham Incorporated	93.866	5U54AG063546-02	123,557	-
Massachusetts Eye and Ear Infirmary	93.173	5R01DC011805-11	117,831	-
Massachusetts Eye and Ear Infirmary	93.853	5R01NS088160-04	(98)	-
Massachusetts Eye and Ear Infirmary	93.855	5P01AI083214-13	285,594	-
Massachusetts Eye and Ear Infirmary	93.867	2R01EY022305-08	3,919	-

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Mass General Brigham Incorporated and Affiliates
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<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
Massachusetts Eye and Ear Infirmary	93.867	5R01EY019703-11	7,583	-
Massachusetts Eye and Ear Infirmary	93.867	5R01EY020928-09	91,903	-
Massachusetts Eye and Ear Infirmary	93.867	5R01EY029269-02	228,823	-
Massachusetts Eye and Ear Infirmary	93.867	5R01EY029437-03	54,903	-
Massachusetts Eye and Ear Infirmary	93.867	5R01EY031300-02	17,508	-
Massachusetts General Hospital	93.121	1R01DE027989-01A1	19,109	-
Massachusetts General Hospital	93.172	5R01HG009174-04	(982)	-
Massachusetts General Hospital	93.242	3R01MH112737-04S1	94,100	-
Massachusetts General Hospital	93.242	5R01MH102279-05	35,995	-
Massachusetts General Hospital	93.242	5R01MH108427-04	44,983	-
Massachusetts General Hospital	93.242	5R01MH113930-04	37,577	-
Massachusetts General Hospital	93.242	5R01MH116173-03	30,745	-
Massachusetts General Hospital	93.242	5R01MH116205-03	194,025	-
Massachusetts General Hospital	93.273	5R33AA025192-05	62,965	-
Massachusetts General Hospital	93.279	5R61DA047034-03	385,382	-
Massachusetts General Hospital	93.286	1R01EB031008-01	19,315	-
Massachusetts General Hospital	93.286	5U01DK127587-03	377,469	-
Massachusetts General Hospital	93.286	7R01EB017722-05	41,699	-
Massachusetts General Hospital	93.310	3OT2OD026553-01S3	2,669,360	-
Massachusetts General Hospital	93.393	5R01CA218123-04	6,188	-
Massachusetts General Hospital	93.393	5U01CA225451-03	114,467	-
Massachusetts General Hospital	93.394	5R01CA203873-05	37,395	-
Massachusetts General Hospital	93.394	5R01CA215431-04	251,184	-
Massachusetts General Hospital	93.394	5R01CA227156-04	83,921	-
Massachusetts General Hospital	93.394	5U01CA182367-05	(8,448)	-
Massachusetts General Hospital	93.394	5U01CA233360-03	123,603	-
Massachusetts General Hospital	93.395	1P01CA240239-01	(902)	-
Massachusetts General Hospital	93.395	1R01CA227821-02	104,807	-
Massachusetts General Hospital	93.395	5P01CA069246-24	349,651	-
Massachusetts General Hospital	93.837	1R01HL149516-01A1	8,110	-
Massachusetts General Hospital	93.837	5R01HL125869-05	5,905	-
Massachusetts General Hospital	93.837	5R01HL128099-04	6,454	-
Massachusetts General Hospital	93.837	5R01HL130539-05	19,309	-
Massachusetts General Hospital	93.837	5R01HL133149-05	7,556	-
Massachusetts General Hospital	93.837	5R01HL137562-04	20,672	-
Massachusetts General Hospital	93.837	5R01HL140498-04	69,217	-
Massachusetts General Hospital	93.837	5R01HL141053-03	(4,162)	-
Massachusetts General Hospital	93.837	5R01HL141917-04	396,837	-
Massachusetts General Hospital	93.837	5R01HL142809-04	80,794	-

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

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<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
Massachusetts General Hospital	93.837	5R01HL146267-03	50,201	-
Massachusetts General Hospital	93.837	5R01HL151293-02	151,999	-
Massachusetts General Hospital	93.837	5R01HL151643-02	145,043	-
Massachusetts General Hospital	93.837	5U01HL123336-04	1,399	-
Massachusetts General Hospital	93.837	5U01HL123336-06	10,862	-
Massachusetts General Hospital	93.837	5U01HL123339-06	49,218	-
Massachusetts General Hospital	93.838	1OT2HL161841-01	193,040	-
Massachusetts General Hospital	93.838	3U01HL123009-06S2	23,111	-
Massachusetts General Hospital	93.838	4UH3HL140177-03	193	-
Massachusetts General Hospital	93.838	5UG3HL140177-03	54,113	-
Massachusetts General Hospital	93.839	5R01HL137913-04	21,771	-
Massachusetts General Hospital	93.846	1R01AR077023-01	15,219	-
Massachusetts General Hospital	93.846	1R03AR078938-01	37,097	-
Massachusetts General Hospital	93.846	1R34AR076077-01A1	63,383	-
Massachusetts General Hospital	93.846	5P30AR075042-02	17,909	-
Massachusetts General Hospital	93.846	5P30AR075042-03	17,719	-
Massachusetts General Hospital	93.847	3P30DK040561-24S1	25,076	-
Massachusetts General Hospital	93.847	5P30DK040561-23	(371)	-
Massachusetts General Hospital	93.847	5P30DK040561-24	110	-
Massachusetts General Hospital	93.847	5P30DK057521-20	187	-
Massachusetts General Hospital	93.847	5R01DK049302-24	161,803	-
Massachusetts General Hospital	93.847	5R01DK101495-07	150,034	-
Massachusetts General Hospital	93.847	5R01DK105072-05	33,444	-
Massachusetts General Hospital	93.847	5R01DK107972-05	46,214	-
Massachusetts General Hospital	93.847	5R01DK124145-02	73,393	-
Massachusetts General Hospital	93.853	1R01NS110575-01	20,821	-
Massachusetts General Hospital	93.853	1R61NS117210-01A1	4,894	-
Massachusetts General Hospital	93.853	5R01NS062092-08	91,634	-
Massachusetts General Hospital	93.853	5R01NS102574-04	17,290	-
Massachusetts General Hospital	93.853	5U01NS090259-05	16,112	-
Massachusetts General Hospital	93.853	5U01NS098968-03	(786)	-
Massachusetts General Hospital	93.853	5U19NS115388-03	594	-
Massachusetts General Hospital	93.853	5U24NS107154-04	47,936	-
Massachusetts General Hospital	93.853	5U24NS107243-02	7,576	-
Massachusetts General Hospital	93.853	5U24NS107243-03	5,904	-
Massachusetts General Hospital	93.853	5U24NS113850-02	223,259	-
Massachusetts General Hospital	93.853	U01NS114001	5,395	-
Massachusetts General Hospital	93.855	2R01AI042006-24	105,723	-
Massachusetts General Hospital	93.855	5R37AI058736-17	35,169	-

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Year Ended September 30, 2021

<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
Massachusetts General Hospital	93.855	5U01AI136816-04	(24,545)	-
Massachusetts General Hospital	93.865	5R01HD091067-04	349,494	-
Massachusetts General Hospital	93.865	5R61HD103099-02	4,366	-
Massachusetts General Hospital	93.866	1R01AG067019-01	54,335	-
Massachusetts General Hospital	93.866	1RF1AG067744-01	29,190	-
Massachusetts General Hospital	93.866	5R01AG054081-05	195,000	-
Massachusetts General Hospital	93.866	5R01AG062667-02	61,682	-
Massachusetts General Hospital	93.867	5R01EY029544-03	44,525	-
Massachusetts Institute of Technology	93.172	5R01HG008754-04	15,234	-
Massachusetts Institute of Technology	93.242	1RF1MH121885-01A1	52,329	-
Massachusetts Institute of Technology	93.242	5U01MH108168-04	(238)	-
Massachusetts Institute of Technology	93.242	5U01MH108168-04S1	35,986	-
Massachusetts Institute of Technology	93.242	5U01MH117072-02	147,261	-
Massachusetts Institute of Technology	93.242	5U01MH117072-03	39,713	-
Massachusetts Institute of Technology	93.286	3R21EB026008-02S1	159,750	-
Massachusetts Institute of Technology	93.286	5P41EB015871-34	150,187	-
Massachusetts Institute of Technology	93.286	5R01EB000244-41	393,063	-
Massachusetts Institute of Technology	93.286	5R01EB022062-04	6,619	-
Massachusetts Institute of Technology	93.286	EB027717-01A1	27,471	-
Massachusetts Institute of Technology	93.394	1R21CA236685-02	60,844	-
Massachusetts Institute of Technology	93.394	5R33CA223904-03	38,258	-
Massachusetts Institute of Technology	93.395	5R01CA247632-02	34,942	-
Massachusetts Institute of Technology	93.396	5U01CA215798-05	194,676	-
Massachusetts Institute of Technology	93.397	5U54CA210180-03	(544)	-
Massachusetts Institute of Technology	93.397	5U54CA210180-05	145,340	-
Massachusetts Institute of Technology	93.837	1R01HL153857-01	277,629	-
Massachusetts Institute of Technology	93.839	1R01HL158102-01	71,388	-
Massachusetts Institute of Technology	93.853	5R21NS105027-02	162,817	-
Massachusetts Institute of Technology	93.866	1R56AG069192-01	57,346	-
Massachusetts Institute of Technology	93.866	5R01AG058002-04	137,856	-
Mayo Clinic	93.393	1R01CA248288-01A1	5,612	-
Mayo Clinic	93.395	2UG1CA189823-06	(6,466)	-
Mayo Clinic	93.853	5UH3NS103870-04	44,300	-
Mayo Clinic	93.866	1RF1AG057547-01	174,936	-
Mayo Clinic	93.866	5U19AG063911-02	612,964	-
Mayo Clinic Jacksonville	93.853	5P01NS084974-07	232,894	-
Mayo Clinic Jacksonville	93.853	5U01NS080168-06	54,207	-
McLean Hospital Corporation	93.242	1P50MH115846-03	49,285	-
McLean Hospital Corporation	93.242	5P50MH115846-02	49,652	-

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

**Mass General Brigham Incorporated and Affiliates
Schedule of Expenditures of Federal Awards
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<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
McLean Hospital Corporation	93.242	5P50MH115846-03	131,663	-
McLean Hospital Corporation	93.242	5P50MH119467-02	613,345	-
McLean Hospital Corporation	93.242	5R01MH108602-05	121,351	-
McLean Hospital Corporation	93.242	5R01MH110438-04	(7,322)	-
McLean Hospital Corporation	93.242	5R01MH117012-03	162,059	-
McLean Hospital Corporation	93.242	5R01MH120991-02	130,841	-
McLean Hospital Corporation	93.242	5R01MH122427-02	539,235	-
McLean Hospital Corporation	93.242	5R37MH068376-16	102,131	-
McLean Hospital Corporation	93.279	3R01DA041866-02S1	19,049	-
McLean Hospital Corporation	93.279	3UG1DA015831-18S5	(56,243)	-
McLean Hospital Corporation	93.279	5R01DA045632-03	20,643	-
McLean Hospital Corporation	93.279	5R33DA042847-05	155,624	-
McLean Hospital Corporation	93.847	3R01DK121240-02S1	37,659	-
McLean Hospital Corporation	93.853	5R01NS100808-03	(466)	-
MD Anderson Cancer Center	93.396	5P01CA117969-15	(6,740)	-
Medical University of South Carolina	93.847	1U01DK104833-03	31,796	-
MedStar Health Research Institute (MHRI)	93.837	5U01HL117006-05	4,090	-
Memorial Sloan-Kettering Institute Cancer Center	93.393	1U01CA253913-01	212,959	-
Memorial Sloan-Kettering Institute Cancer Center	93.393	5R01CA244185-02	99,970	-
Memorial Sloan-Kettering Institute Cancer Center	93.393	5R21CA239784-02	7,869	-
Memorial Sloan-Kettering Institute Cancer Center	93.395	3P01CA190174-05S1	73,692	-
Memorial Sloan-Kettering Institute Cancer Center	93.395	5P01CA190174-05	215,122	-
Memorial Sloan-Kettering Institute Cancer Center	93.396	1U01CA228963-01A1	276,195	-
Memorial Sloan-Kettering Institute Cancer Center	93.396	5U24CA213274-05	89,095	-
MGH Institute of Health Professions	93.173	1R15DC018944-01A1	10,939	-
Michigan State University	93.310	5UH3OD023285-06	129,808	-
Michigan State University	93.865	5R01HD094842-04	100,935	-
Michigan State University	93.865	5R01HD096033-02	131,678	-
Michigan State University	93.865	5R21HD096358-02	42,281	-
MindLight	93.279	1R43DA050358-01	(6,186)	-
Minnesota HealthSolutions	93.866	R44AG058515	160,714	-
Montana State University	93.867	R21EY031130	33,055	-
Montreal Heart Institute	93.847	5U01DK062432-19	249,836	-
Mount Sinai Medical Center	93.213	5R01AT009273-04	2,250	-
Mount Sinai School of Medicine	93.837	5P01HL131478-05	319,687	-
Mount Sinai School of Medicine	93.837	5U01HL088942-14	180,466	-
Mount Sinai School of Medicine	93.859	5R01GM114472-05	(290)	-
Myolyn	93.865	1R41HD102261-01A1	348	-
National Bureau of Economic Research (NBER)	93.866	5P01AG005842	51,729	-

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Mass General Brigham Incorporated and Affiliates
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<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
National Jewish Health	93.838	5U01HL089897-14	131,600	-
National Jewish Health	93.855	4U01AI097073-04	41	-
National Marrow Donor Program	93.839	5U01HL069249	2,693	-
National Network of Depression Centers	93.242	1R01MH121542-01	37,063	-
Natural Pharmacia International	93.351	SBIR	5,550	-
New England Research Institute, Inc. (NERI)	93.837	5U01HL107407-05	24,316	-
New England Research Institute, Inc. (NERI)	93.847	5U01DK110377-03	(61,117)	-
New York Genome Center	93.859	5R01GM122924-02	(6,074)	-
New York University Grossman School of Medicine	93.838	OT2HL161847-01	26,258	-
New York University Grossman School of Medicine	93.838	OT2HL161847-01	26,755	-
New York University Medical Center	93.395	5U01CA213333-04	16,655	-
New York University School of Medicine	93.213	4UG3AT009844-03	68,287	-
New York University School of Medicine	93.242	5R61MH122647-02	484,792	-
New York University School of Medicine	93.350	3UL1TR001445-05S3	99,264	-
New York University School of Medicine	93.837	5U01HL105907-07	6,607	-
New York University School of Medicine	93.838	OT2HL156812	197,661	-
New York University School of Medicine	93.867	5U10EY026869-03	(2,024)	-
New York University School of Medicine	93.867	5U10EY026869-05	23,340	-
NF Bio	93.853	1R41NS120338-01	107,432	-
NIH-FIC Fogarty International Center	93.989	Direct	281,757	56,131
NIH-National Institutes of Health	93.310	Direct	3,052,737	189,782
NIH-NCATS National Center for Advancing Translational Sciences	93.350	Direct	2,628,102	583,322
NIH-NCCIH National Center for Complementary and Integrative Health	93.213	Direct	5,928,473	473,529
NIH-NCI National Cancer Institute	93.310	Direct	992,764	136,122
NIH-NCI National Cancer Institute	93.353	Direct	3,348,386	204,413
NIH-NCI National Cancer Institute	93.393	Direct	20,819,765	3,630,522
NIH-NCI National Cancer Institute	93.394	Direct	18,780,849	2,994,648
NIH-NCI National Cancer Institute	93.395	Direct	42,092,707	15,176,259
NIH-NCI National Cancer Institute	93.396	Direct	16,365,238	3,016,739
NIH-NCI National Cancer Institute	93.397	Direct	3,412,423	2,210,785
NIH-NCI National Cancer Institute	93.398	Direct	36,970	-
NIH-NCNR National Center for Nursing Research	93.361	Direct	1,473,895	189,989
NIH-NEI National Eye Institute	93.867	Direct	27,937,972	2,929,206
NIH-NHGRI National Human Genome Research Institute	93.172	Direct	10,365,454	5,440,112
NIH-NHGRI National Human Genome Research Institute	93.310	Direct	5,139	-
NIH-NHLBI National Heart, Lung and Blood Institute	93.077	Direct	604,987	413,249
NIH-NHLBI National Heart, Lung, and Blood Institute	93.233	Direct	6,083,672	156,142
NIH-NHLBI National Heart, Lung, and Blood Institute	93.310	Direct	712,576	93,476
NIH-NHLBI National Heart, Lung, and Blood Institute	93.837	Direct	66,208,704	12,247,112

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

**Mass General Brigham Incorporated and Affiliates
Schedule of Expenditures of Federal Awards
Year Ended September 30, 2021**

<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
NIH-NHLBI National Heart, Lung, and Blood Institute	93.838	Direct	42,726,616	6,911,147
NIH-NHLBI National Heart, Lung, and Blood Institute	93.839	Direct	7,285,943	2,255,718
NIH-NHLBI National Heart, Lung, and Blood Institute	93.840	Direct	491,608	40,256
NIH-NIA National Institute on Aging	93.866	Direct	84,175,289	18,132,470
NIH-NIAAA National Institute on Alcohol Abuse and Alcoholism	93.273	Direct	1,565,088	310,381
NIH-NIAID National Institute of Allergy and Infectious Diseases	93.855	Direct	85,000,784	15,197,398
NIH-NIAMS National Institute of Arthritis and Musculoskeletal and Skin Diseases	93.846	Direct	27,301,778	3,970,245
NIH-NIBIB National Institute of Biomedical Imaging and Bioengineering	93.286	Direct	43,860,190	13,524,200
NIH-NIBIB National Institute of Biomedical Imaging and Bioengineering	93.310	Direct	859,299	-
NIH-NICHD National Institute of Child Health and Human Development	93.310	Direct	569,490	-
NIH-NICHD National Institute of Child Health and Human Development	93.865	Direct	25,240,499	5,774,926
NIH-NIDA National Institute on Drug Abuse	93.279	Direct	20,572,417	3,973,456
NIH-NIDCD National Institute on Deafness and Other Communication Disorders	93.173	Direct	20,851,613	2,477,644
NIH-NIDCD National Institute on Deafness and Other Communication Disorders	93.310	Direct	1,426,525	657,425
NIH-NIDCR National Institute of Dental and Craniofacial Research	93.121	Direct	3,086,933	813,377
NIH-NIDDK National Institute of Diabetes and Digestive and Kidney Diseases	93.310	Direct	822,300	482,402
NIH-NIDDK National Institute of Diabetes and Digestive and Kidney Diseases	93.847	Direct	49,238,296	6,739,934
NIH-NIEHS National Institute of Environmental Health Sciences	93.113	Direct	2,371,329	614,365
NIH-NIEHS National Institute of Environmental Health Sciences	93.310	Direct	584,609	-
NIH-NIGMS National Institute of General Medical Sciences	93.859	Direct	20,600,237	1,158,868
NIH-NIMH National Institute of Mental Health	93.242	Direct	60,652,749	16,153,102
NIH-NIMHD National Center on Minority Health and Health Disparities	93.307	Direct	3,152,550	1,080,598
NIH-NIMHD National Center on Minority Health and Health Disparities	93.310	Direct	467,269	225,176
NIH-NINDS National Institute of Neurological Disorders and Stroke	93.853	Direct	83,350,383	13,415,161
NIH-NINR National Institute of Nursing Research	93.361	Direct	2,045,455	805,167
NIH-NLM National Library of Medicine	93.879	Direct	1,245,693	138,413
NIH-OD Office of the Director	93.310	Direct	15,027,218	7,154,373
NIH-OD Office of the Director	93.351	Direct	1,876,217	576,743
North Carolina State University	93.286	1R01EB029829-01	37,171	-
North Carolina State University	93.286	7R21EB025313-02	48,978	-
Northeastern University	93.242	5R01MH113234-03	488,034	-
Northeastern University	93.273	7R01AA027097-03	40,874	-
Northeastern University	93.279	5R01DA047130-03	294,819	-
Northeastern University	93.393	1R01CA252966-01	45,691	-
Northeastern University	93.393	5U01CA193632-05	85,849	-
Northeastern University	93.394	5R01CA204443-05	72,317	-
Northeastern University	93.395	5R01CA226855-02	112,560	-
Northeastern University	93.837	5R21HL148747-02	18,563	-
Northeastern University	93.839	3R01HL143020-03S1	95,242	-

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

**Mass General Brigham Incorporated and Affiliates
Schedule of Expenditures of Federal Awards
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<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
Northeastern University	93.839	5R01HL143020-03	93,858	-
Northeastern University	93.847	1R21DK118449-01A1	23,686	-
Northeastern University	93.853	1UF1NS107694-01	95,555	-
Northeastern University	93.866	5R21AG061743-02	56,027	-
Northeastern University	93.867	7R01EY027857-05	35,322	-
Northern Arizona University	93.307	5R01MD013352-04	49,831	-
Northern California Institute for Research and Education	93.847	5R01DK120387-02	335,665	-
Northern California Institute for Research and Education	93.866	5U19AG024904-15	43,408	-
Northwestern University	93.838	2R01HL122477-06A1	357,615	-
Northwestern University	93.838	5U01HL146408-02	262,167	-
Northwestern University	93.853	5R01NS85770-07	317,147	-
Northwestern University	93.865	5R21HD098498-02	23,175	-
Northwestern University	93.866	3RF1AG064006-01S1	430,864	-
Northwestern University	93.866	5U2CAG057441-03S1	63,576	-
Northwestern University	93.866	5U2CAG060426-03S1	4,404	-
Northwestern University	93.879	1R01LM13337-01	23,673	-
NOUS Imaging	93.242	1R44MH124567-01	96,229	-
NRG Oncology	93.395	5U10CA180868-08	11,092	-
NYU Langone Health	93.866	1R01AG068248-01	256,581	-
Ohio State University	93.233	5UH3HL140144-03	692	-
Ohio State University	93.350	5R21TR003191-02	21,364	-
Ohio State University	93.837	5R01HL133665-04	(13,689)	-
Ohio State University	93.866	1R01AG050801-05	8,231	-
Ohio State University	93.866	5R01AG058822-03	15,080	-
Ohio State University	93.866	5U01AG054444-03	3,596	-
Ohio State University	93.866	7R21AG056921-02	7,096	-
Oregon Health & Science University (OHSU)	93.846	5R01AR073186-04	53,005	-
Oregon Health & Science University (OHSU)	93.855	1R01AI157807-01A1	2,365	-
Oregon Health & Science University (OHSU)	93.867	2R01EY019474-09	26,472	-
Oregon Health & Science University (OHSU)	93.867	5R01EY019474-08	(10,414)	-
Oregon State University	93.113	1R21ES032600-01	26,400	-
Palo Alto Veterans Institute for Research (PAVIR)	93.242	R01MH112628	78,504	-
Palo Alto Veterans Institute for Research (PAVIR)	93.307	R01MD012273	48,034	-
PAREXEL International, LLC	93.838	OT2HL156812	4,474	-
PASCALL Systems	93.866	1R42AG066325-01	134,916	-
PathMaker Neurosystems	93.853	1U44NS104138-01	42,352	-
Penn State University	93.173	5R01DC0005642-14	(375)	-
Pennsylvania State University	93.286	7R01EB025205-03	61,695	-
Pennsylvania State University	93.838	3U10HL109086-06S1	642	-

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

Mass General Brigham Incorporated and Affiliates
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<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
Pennsylvania State University	93.866	5U2CAG060408-03	276,497	-
Phoenix Children's Hospital	93.865	R01HD088528	160,387	-
Physical Sciences, Inc.	93.173	1R43DC017407-01	(9)	-
Physical Sciences, Inc.	93.173	2R44DC015414-02A1	146,281	-
Physical Sciences, Inc.	93.393	4R44CA224853-02	151,463	-
Physical Sciences, Inc.	93.867	W81XWH-16-C-0163	6,270	-
President and Fellows of Harvard College	93.113	1R01ES031657-01	75,899	-
President and Fellows of Harvard College	93.113	2P30ES000002-57	21,226	-
President and Fellows of Harvard College	93.113	2R01ES022981-06	37,729	-
President and Fellows of Harvard College	93.113	5P30ES000002-57	24,933	-
President and Fellows of Harvard College	93.113	5P30ES000002-58	15,618	-
President and Fellows of Harvard College	93.113	5R01ES013307-15	(3,714)	-
President and Fellows of Harvard College	93.113	5R01ES014370-15	96,645	-
President and Fellows of Harvard College	93.113	5R01ES026166-06	55,614	-
President and Fellows of Harvard College	93.113	5R01ES028033-04	183,868	-
President and Fellows of Harvard College	93.113	5R01ES028298-03	2,250	-
President and Fellows of Harvard College	93.113	5R01ES028800-04	6,525	-
President and Fellows of Harvard College	93.113	5R01ES031657-02	7,617	-
President and Fellows of Harvard College	93.113	5R21ES029637-02	22,957	-
President and Fellows of Harvard College	93.113	5R24ES028521-04	68,659	-
President and Fellows of Harvard College	93.113	5U01ES029520-03	95,776	-
President and Fellows of Harvard College	93.121	7R03DE027486-02	12,843	-
President and Fellows of Harvard College	93.142	5UH4ES027055-03	(95)	-
President and Fellows of Harvard College	93.143	5P42ES030990-02	150,875	-
President and Fellows of Harvard College	93.172	2U01HG007530-07	4,841	-
President and Fellows of Harvard College	93.172	3R35HG010706-02S1	130,218	-
President and Fellows of Harvard College	93.172	3U01HG009088-04	58,381	-
President and Fellows of Harvard College	93.172	3U01HG009088-04S2	407,899	-
President and Fellows of Harvard College	93.172	3U01HG009088-04S3	89,426	-
President and Fellows of Harvard College	93.172	3U01HG009088-04S4	33,616	-
President and Fellows of Harvard College	93.172	3U01HG009379-04S1	45,965	-
President and Fellows of Harvard College	93.172	5R01HG010372-03	19,668	-
President and Fellows of Harvard College	93.172	5R35HG010706-02	9,340	-
President and Fellows of Harvard College	93.172	5U01HG009088-04	4,769	-
President and Fellows of Harvard College	93.172	5U01HG009379-04	151,750	-
President and Fellows of Harvard College	93.173	5R01DC016932-04	39,517	-
President and Fellows of Harvard College	93.173	5R01DC017717-02	61,464	-
President and Fellows of Harvard College	93.213	5R01AT009708-04	244,713	-
President and Fellows of Harvard College	93.242	1R01MH121191-01A1	22,144	-

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

Mass General Brigham Incorporated and Affiliates
Schedule of Expenditures of Federal Awards
Year Ended September 30, 2021

<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
President and Fellows of Harvard College	93.242	1R01MH121191-02	6,561	-
President and Fellows of Harvard College	93.242	3P50MH106933-02S1	(296)	-
President and Fellows of Harvard College	93.242	3R01MH101269-08	98,977	-
President and Fellows of Harvard College	93.242	5P50MH106933-05	3,051	-
President and Fellows of Harvard College	93.242	5R01MH101269-08	590,605	-
President and Fellows of Harvard College	93.242	5R01MH112829-04	40,921	-
President and Fellows of Harvard College	93.242	5R01MH116858-04	267,570	-
President and Fellows of Harvard College	93.242	5R01MH124004-02	68,714	-
President and Fellows of Harvard College	93.242	5R21MH121704-02	101,697	-
President and Fellows of Harvard College	93.242	5R61MH113751-02	91,594	-
President and Fellows of Harvard College	93.242	5U01MH116928-03	33,577	-
President and Fellows of Harvard College	93.242	5U19MH113211-05	22,439	-
President and Fellows of Harvard College	93.242	T32MH017119	62,244	-
President and Fellows of Harvard College	93.279	1R01DA048533-03	48,945	-
President and Fellows of Harvard College	93.279	5P30DA035772-05	31,326	-
President and Fellows of Harvard College	93.279	5R01DA044201-04	26,727	-
President and Fellows of Harvard College	93.286	5R01EB023287-03	(37,600)	-
President and Fellows of Harvard College	93.307	5R01MD012793-03	25,867	-
President and Fellows of Harvard College	93.307	5R01MD014304-03	77,561	-
President and Fellows of Harvard College	93.310	3P50CA244433-02S1	942,432	-
President and Fellows of Harvard College	93.310	5U01CA242098-02	28,513	-
President and Fellows of Harvard College	93.350	5UL1TR001102-05	1,133	-
President and Fellows of Harvard College	93.350	5UL1TR002541-02	(9,524)	-
President and Fellows of Harvard College	93.350	5UL1TR002541-03	431,019	-
President and Fellows of Harvard College	93.350	5UL1TR002541-04	2,839,213	-
President and Fellows of Harvard College	93.350	5UL1TR002541-04S2	131,518	-
President and Fellows of Harvard College	93.350	5ULTR002541-04	78,660	-
President and Fellows of Harvard College	93.353	1U2CCA233262-01	338,690	-
President and Fellows of Harvard College	93.353	1U2CCA233262-01	169,199	-
President and Fellows of Harvard College	93.353	1U2CCA233280	25,943	-
President and Fellows of Harvard College	93.353	5P50CA244433-02	225,980	-
President and Fellows of Harvard College	93.353	5U2CCA233280-02	(14)	-
President and Fellows of Harvard College	93.353	5U2CCA233280-03	9,251	-
President and Fellows of Harvard College	93.353	P50CA244433-02	428,434	-
President and Fellows of Harvard College	93.393	5R00CA215314-04	153,147	-
President and Fellows of Harvard College	93.393	5R01CA050385-30	112,451	-
President and Fellows of Harvard College	93.393	5R01CA240299-02	23,773	-
President and Fellows of Harvard College	93.393	5R03CA249027-02	19,725	4,338
President and Fellows of Harvard College	93.393	5R21CA230873-02	(21)	-

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

Mass General Brigham Incorporated and Affiliates
Schedule of Expenditures of Federal Awards
Year Ended September 30, 2021

<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
President and Fellows of Harvard College	93.393	5U01CA167552-09	42,780	-
President and Fellows of Harvard College	93.393	5U01CA167552-10	16,536	-
President and Fellows of Harvard College	93.393	5U01CA176726-09	1,549,980	-
President and Fellows of Harvard College	93.393	5U01CA209414-05	397,382	32,279
President and Fellows of Harvard College	93.394	2R44CA224503-02	20,969	-
President and Fellows of Harvard College	93.394	U01CA261277	36,301	-
President and Fellows of Harvard College	93.396	5R01CA218579-03	10,138	-
President and Fellows of Harvard College	93.396	5R35CA220523-03	53,250	-
President and Fellows of Harvard College	93.397	5U54CA225088-03	33,494	-
President and Fellows of Harvard College	93.397	5U54CA225088-04	259,852	-
President and Fellows of Harvard College	93.837	3U01HL145386-02S1	24,983	-
President and Fellows of Harvard College	93.837	5R01HL060712-19	89,111	-
President and Fellows of Harvard College	93.837	5R01HL119230-04	(500)	-
President and Fellows of Harvard College	93.837	5R01HL126896-03	(2,981)	-
President and Fellows of Harvard College	93.837	5R01HL126896-05	189,364	-
President and Fellows of Harvard College	93.837	5R01HL130143-04	236,580	-
President and Fellows of Harvard College	93.837	5U01HL145386-03	1,270,881	-
President and Fellows of Harvard College	93.837	5U19HL129903-05	255,091	-
President and Fellows of Harvard College	93.838	5R01HL139496-04	107,130	-
President and Fellows of Harvard College	93.838	5R01HL150520-02	41,046	-
President and Fellows of Harvard College	93.840	1R01HL149912-01A1	65,150	-
President and Fellows of Harvard College	93.840	5R01HL149912-02	74,862	-
President and Fellows of Harvard College	93.847	1R01DK126698-01	6,848	-
President and Fellows of Harvard College	93.847	1R56DK122380-01	43	-
President and Fellows of Harvard College	93.847	5K01DK107804-04	12,206	-
President and Fellows of Harvard College	93.847	5R01DK114098-03	102,099	-
President and Fellows of Harvard College	93.847	5R01DK120560-03	88,693	-
President and Fellows of Harvard College	93.847	5R01DK120870-03	126,655	-
President and Fellows of Harvard College	93.847	5UC2DK126023-02	357,053	-
President and Fellows of Harvard College	93.853	5R01NS089619-05	488	-
President and Fellows of Harvard College	93.853	5R01NS104143-04	45,788	-
President and Fellows of Harvard College	93.853	5R01NS111952-03	84,509	-
President and Fellows of Harvard College	93.855	1R01AI148338-01A1	351,311	-
President and Fellows of Harvard College	93.855	1U19AI111224-06	73,931	-
President and Fellows of Harvard College	93.855	2P30AI060354-16	99,384	-
President and Fellows of Harvard College	93.855	2P30AI060354-16	(13,602)	-
President and Fellows of Harvard College	93.855	2P30AI060354-17	214,059	-
President and Fellows of Harvard College	93.855	2P30AI060354-18	168,950	-
President and Fellows of Harvard College	93.855	2UM1AI069456-15	68,645	-

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

**Mass General Brigham Incorporated and Affiliates
Schedule of Expenditures of Federal Awards
Year Ended September 30, 2021**

<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
President and Fellows of Harvard College	93.855	4U01AI114235-06	5,655	-
President and Fellows of Harvard College	93.855	5P01AI056299-18	603,981	-
President and Fellows of Harvard College	93.855	5P30AI060354-13	(561)	-
President and Fellows of Harvard College	93.855	5P30AI060354-15	(95,400)	-
President and Fellows of Harvard College	93.855	5P30AI060354-17	531,054	-
President and Fellows of Harvard College	93.855	5P30AI060354-17	21,344	-
President and Fellows of Harvard College	93.855	5P30AI060354-18	724,408	-
President and Fellows of Harvard College	93.855	5R01AI037581-25	19,238	-
President and Fellows of Harvard College	93.855	5R01AI143723-02	295,953	-
President and Fellows of Harvard College	93.855	5R21AI143365-02	678	-
President and Fellows of Harvard College	93.855	5U01AI114235-05	104	-
President and Fellows of Harvard College	93.855	5U01AI135940-03	(3,503)	-
President and Fellows of Harvard College	93.855	5U01AI135940-04	386,142	-
President and Fellows of Harvard College	93.855	5U01AI35940-04	3,560	-
President and Fellows of Harvard College	93.855	5U19AI109755-05	24,534	-
President and Fellows of Harvard College	93.855	5U19AI133524-03	(205)	-
President and Fellows of Harvard College	93.855	5U19AI133524-04	228,492	-
President and Fellows of Harvard College	93.855	5U19AI142793-02	60,001	-
President and Fellows of Harvard College	93.855	5UM1AI069456-14	88,551	-
President and Fellows of Harvard College	93.859	5R01GM129026-03	28,856	-
President and Fellows of Harvard College	93.859	5R01GM131401-03	285,010	-
President and Fellows of Harvard College	93.859	U54GM088558	39,930	-
President and Fellows of Harvard College	93.865	1P01HD103133-01	5,155	-
President and Fellows of Harvard College	93.865	1R01HD095766	12,467	-
President and Fellows of Harvard College	93.865	1R01HD101351-02	36,136	-
President and Fellows of Harvard College	93.865	1R01HD102342-01	64,166	-
President and Fellows of Harvard College	93.865	5R01HD032443-24	16,932	-
President and Fellows of Harvard College	93.865	5R01HD088619-05	33,008	-
President and Fellows of Harvard College	93.865	5R01HD091797-05	77,793	-
President and Fellows of Harvard College	93.865	5R01HD093761-04	300,228	-
President and Fellows of Harvard College	93.865	5R01HD094725-03	231,118	-
President and Fellows of Harvard College	93.865	5R01HD095766-03	(15)	-
President and Fellows of Harvard College	93.865	5R01HD095766-04	9,872	-
President and Fellows of Harvard College	93.865	5R01HD097778-03	284,091	-
President and Fellows of Harvard College	93.865	5R01HD098232-03	33,339	-
President and Fellows of Harvard College	93.866	1RF1AG061774-01	247,152	-
President and Fellows of Harvard College	93.866	2P01AG032952-11	135,393	-
President and Fellows of Harvard College	93.866	3P01AG032952-12S1	6,997	-
President and Fellows of Harvard College	93.866	3P01AG032952-12S3	6,997	-

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

**Mass General Brigham Incorporated and Affiliates
Schedule of Expenditures of Federal Awards
Year Ended September 30, 2021**

<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
President and Fellows of Harvard College	93.866	3P01AG041710-07S1	27,969	-
President and Fellows of Harvard College	93.866	3R01AG048917-05	78,792	-
President and Fellows of Harvard College	93.866	3U54CA225088-02S1	(1,278)	-
President and Fellows of Harvard College	93.866	5P01AG041710-08	(2,114)	-
President and Fellows of Harvard College	93.866	5R01AG011085-28	204,647	-
President and Fellows of Harvard College	93.866	5R01AG053273-04	89,517	-
President and Fellows of Harvard College	93.866	5R01AG060935-03	84,950	-
President and Fellows of Harvard College	93.866	5R01AG066793-02	51,788	-
President and Fellows of Harvard College	93.866	5R01AG067420-02	28,550	-
President and Fellows of Harvard College	93.866	5R56AG059620	57,285	-
President and Fellows of Harvard College	93.866	5R56AG059620-02	39,128	-
President and Fellows of Harvard College	93.866	1R01AG068122-01A1	4,014	-
President and Fellows of Harvard College	93.989	5D43TW009610-09	6,432	-
RAND Corporation	93.242	1R01MH117760-01A1	68,562	-
Rector and Visitors of the University of Virginia	93.837	5U01HL117006-05	1,441	-
Rector and Visitors of the University of Virginia	93.839	5P01HL132819-04	398,076	-
Rector and Visitors of the University of Virginia	93.847	3P50DK096373-10	7,700	-
Rector and Visitors of the University of Virginia	93.867	2R01EY026171-04	287	-
Regents of the University of California	93.113	5R01ES020454-10	173,645	-
Regents of the University of California	93.113	5R01ES023316-09	337,813	-
Regents of the University of California	93.242	5U01MH105578-04R	47,187	-
Regents of the University of California	93.286	5U01EB025162-05	389,027	-
Regents of the University of California	93.361	5R01NR015591-05	70,301	-
Regents of the University of California	93.846	5R01AR073135-02	(119,213)	-
Regents of the University of California	93.853	5U01NS086090-05	451	-
Regents of the University of California	93.855	5UM1AI110498-05	8,487	-
Regents of the University of California	93.865	5R01HD078748-05	(6,692)	-
Regents of the University of California, Davis	93.838	5R01HL113178-09	48,259	-
Regents of the University of California, Davis	93.838	R01HL148715	26,385	-
Regents of the University of California, Irvine	93.393	1R37CA252081-01A1	5,687	-
Regents of the University of California, Irvine	93.846	1R01AR078340-01	3,471	-
Regents of the University of California, Los Angeles	93.242	5R01MH085953-10	79,093	-
Regents of the University of California, Los Angeles	93.307	5R01MD013913-02	5,958	-
Regents of the University of California, Los Angeles	93.838	1OT2HL156812-01	12,904	-
Regents of the University of California, Los Angeles	93.847	5RC2DK118640-02	22,813	-
Regents of the University of California, Los Angeles	93.855	2UM1AI068636-15	386,599	-
Regents of the University of California, Los Angeles	93.855	2UM1AI106701-08	192,486	-
Regents of the University of California, Los Angeles	93.855	3UM1AI068636-14S2	552,582	-
Regents of the University of California, Los Angeles	93.855	3UM1AI068636-14S2	180,578	-

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

**Mass General Brigham Incorporated and Affiliates
Schedule of Expenditures of Federal Awards
Year Ended September 30, 2021**

<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
Regents of the University of California, Los Angeles	93.855	5UM1AI068636-14	124,076	-
Regents of the University of California, Los Angeles	93.855	5UM1AI068636-14R	693	-
Regents of the University of California, Los Angeles	93.855	5UM1AI106701-07	(36,450)	-
Regents of the University of California, Los Angeles	93.855	7UM1AI068636-13	(35)	-
Regents of the University of California, Los Angeles	93.855	7UM1AI068636-14	108,071	-
Regents of the University of California, Los Angeles	93.855	UM1AI068636	(16,143)	-
Regents of the University of California, Los Angeles	93.855	UM1AI068636-14	(25,022)	-
Regents of the University of California, Los Angeles	93.859	5P01GM099134-10	653,279	-
Regents of the University of California, Los Angeles	93.865	5R01HD090138-04	6,869	-
Regents of the University of California, Los Angeles	93.866	5R01AG054366-03	(778)	-
Regents of the University of California, Los Angeles	93.866	5R01AG054366-05	84	-
Regents of the University of California, San Diego	93.242	1RF1MH117155-01	148,550	-
Regents of the University of California, San Diego	93.242	5R01MH106595-06	152,358	-
Regents of the University of California, San Diego	93.242	5R01MH111359-04	142	-
Regents of the University of California, San Diego	93.242	5R01MH111438-05	604,972	-
Regents of the University of California, San Diego	93.242	5R21MH117518-02	10,924	-
Regents of the University of California, San Diego	93.279	5U24DA041123-05	(35)	-
Regents of the University of California, San Diego	93.310	5UG3CA241687-02	48,877	-
Regents of the University of California, San Diego	93.847	5R01DK124318-02	4,911	-
Regents of the University of California, San Diego	93.855	5U19AI070535-15	233,750	-
Regents of the University of California, San Diego	93.866	5R01AG047922-02	899	-
Regents of the University of California, San Diego	93.866	5R01AG048642-05	(11,335)	-
Regents of the University of California, San Diego	93.866	5U19AG010483-26	508,696	514,945
Regents of the University of California, San Diego	93.866	R56AG048642-06A1	174,976	-
Regents of the University of California, San Francisco	93.837	1R01HL152957-01A1	104,985	-
Regents of the University of California, San Francisco	93.837	5R33HL141047-04	113,257	-
Regents of the University of California, San Francisco	93.838	5R35HL140026-03	(6,098)	-
Regents of the University of California, San Francisco	93.838	5U01HL134766-04	(1,008)	-
Regents of the University of California, San Francisco	93.847	5R01DK114014-04	2,545	-
Regents of the University of California, San Francisco	93.853	5R01NS111166-02	17,888	-
Regents of the University of California, San Francisco	93.853	5UH3NS105557-04	12,026	-
Regents of the University of California, San Francisco	93.855	5U01AI131296-05	106,704	-
Regents of the University of California, San Francisco	93.859	5R01GM130900-02	24,783	-
Regents of the University of California, San Francisco	93.865	5R01HD089511-05	59,407	-
Regents of the University of California, San Francisco	93.865	5R01HD098978-03	214,018	-
Regents of the University of California, San Francisco	93.866	5R01AG066137-03	53,171	-
Regents of the University of California, San Francisco	93.867	1R01EY032041-01	10,882	-
Regents of the University of Colorado	93.233	5R21HL145421-02	54,489	-
Regents of the University of Colorado	93.286	5R01EB019440-04	3,029	-

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

**Mass General Brigham Incorporated and Affiliates
Schedule of Expenditures of Federal Awards
Year Ended September 30, 2021**

<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
Regents of the University of Colorado	93.846	1R01AR069060-01A1	26,699	-
Regents of the University of Michigan	93.077	1U54CA229974-02	(7,645)	-
Regents of the University of Michigan	93.113	1R01ES031591-01A1	86,273	-
Regents of the University of Michigan	93.242	5R01MH110872-04	537,590	430,108
Regents of the University of Michigan	93.393	1U01CA253858-01	149,427	-
Regents of the University of Michigan	93.393	5U01CA199284-05	(13,074)	-
Regents of the University of Michigan	93.394	5U24CA086368-20	4,407	-
Regents of the University of Michigan	93.395	5R21CA234760-02	24,795	-
Regents of the University of Michigan	93.837	1R01HL155834-01	35,250	-
Regents of the University of Michigan	93.847	2R01DK106618-06	148,281	-
Regents of the University of Michigan	93.853	1U01NS088034	(183)	-
Regents of the University of Michigan	93.853	1U01NS099046-01A1	69,849	-
Regents of the University of Michigan	93.853	1UG3HL145269-01A1	10,366	-
Regents of the University of Michigan	93.866	5U01AG017719-20	8,197	-
Regents of the University of Minnesota	93.279	R01DA047287	21,022	-
Regents of the University of Minnesota	93.286	5U01EB025153-04	17,503	-
Regents of the University of Minnesota	93.837	5R01HL131049-04	4,646	-
Regents of the University of Minnesota	93.837	5R01HL141288-03	18,791	-
Regents of the University of Minnesota	93.853	5R01NS080816-05	2,693	-
ReNetX Bio	93.853	1R44NS118974-01	57,644	-
Rensselaer Polytechnic Institute	93.286	3R21EB028001-02S1	32,872	-
Rensselaer Polytechnic Institute	93.837	1R56HL145172-01	99,471	-
Rensselaer Polytechnic Institute	93.855	R01AI132580	164,795	-
Research Foundation for Mental Hygiene	93.242	4R33MH116089-03	19,432	-
Research Foundation for the State University Of New York (SUNY), Albany	93.865	5R01HD097331-03	18,508	-
Research Foundation for The SUNY on behalf of University of Buffalo	93.867	1R01EY028553-01	184,040	-
Research Triangle Institute International	93.279	1UM1DA049394-01	297,712	-
Research Triangle Institute International	93.837	5R01HL149352-03	46,544	-
Research Triangle Institute International	93.838	1OT2HL156812-01	2,323,213	12,067
Research Triangle Institute International	93.840	1OT2HL156812-01	14,122,584	387,674
Reveal Pharmaceuticals	93.394	R44CA239935	171,744	-
Reveal Pharmaceuticals	93.837	1R43HL156713	80,733	-
Reveal Pharmaceuticals	93.847	5R44DK113906-03	2,563	-
Rhode Island Hospital	93.361	5R01NR014782-05	(5,873)	-
Rhode Island Hospital	93.837	5R01HL134706-04	72,516	-
Rockefeller University	93.855	5U01AI129825-04	7,296	-
Roswell Park Cancer Institute	93.393	2U24CA180996-08	87,037	-
RPCI Oncology, PC	93.172	5U41HG004059-16	126,982	-
Rush University Medical Center	93.847	5R01DK084195-09	77,999	-

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

Mass General Brigham Incorporated and Affiliates
Schedule of Expenditures of Federal Awards
Year Ended September 30, 2021

<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
Rush University Medical Center	93.847	5R01DK107984-04	(12,051)	-
Rush University Medical Center	93.853	5U01NS096767-04	896,085	70,160
Rush University Medical Center	93.866	1RF1AG059621-01	57,194	-
Rush University Medical Center	93.866	2RF1AG036042-06	112,732	-
Rush University Medical Center	93.866	5R01AG017917-18	215,056	-
Rush University Medical Center	93.866	5R01AG052583-05	318,840	-
Rush University Medical Center	93.866	5R01AG061798-02	64,502	-
Rush University Medical Center	93.866	5R01AG062637-02	212,313	-
Rutgers, the State University of New Jersey	93.242	5R34MH113757-03	32,638	-
Rutgers, the State University of New Jersey	93.286	5R01EB020036-04	132,118	-
Rutgers, the State University of New Jersey	93.855	7R01AI114617-06	52,140	-
Schepens Eye Research Institute	93.853	1RF1NS110048-01	41,474	-
Schepens Eye Research Institute	93.867	1R21EY029847-01A1	51,150	-
Scripps Research Institute	93.855	1R61AI161818-01	48,192	-
Scripps Research Institute	93.855	5R01AI147826-03	481,652	-
Scripps Research Institute	93.855	5U19AI135995-02	536	-
Scripps Research Institute	93.855	5U19AI135995-04	142,528	-
Scripps Research Institute	93.855	5UM1AI144462-02	51,313	-
Scripps Research Institute	93.855	5UM1AI144462-03	1,934,440	-
Scripps Research Institute	93.855	5UM1AI144462-03	37,132	-
Scripps Research Institute	93.867	5R01EY026202-05	48,530	-
Seattle Institute for Biomedical and Clinical Research	93.393	5R01CA239208-02	211,223	24,787
Seattle Institute for Biomedical and Clinical Research	93.866	5R01AG061558-03	230,721	10,596
SFC Fluidics	93.279	2R44DA041173-02	17,831	-
SingleO2 Therapeutics	93.121	R44DE026083	247,143	-
Skelmet	93.867	1R43EY029901-01	24,828	-
Sloan Kettering Institute for Cancer Research	93.393	5U01CA199335-05	(9,916)	-
Stanford University	93.121	5R01DE024971-05	760	-
Stanford University	93.173	5R01DC014034-05	(11,153)	-
Stanford University	93.393	5R01CA193694-05	12,107	-
Stanford University Medical Center	93.838	1R01HL148704-01A1	309,497	-
Stanford University Medical Center	93.853	2U01NS038455-18	31,271	-
Stanford University Medical Center	93.853	5U01NS038455-18	249,357	-
Stellenbosch University	93.865	R61HD103093	17,832	-
Sunnybrook Research Institute	93.173	1R01DC017291-03	254,059	-
Sunnybrook Research Institute	93.279	5R01DA042299-02	20,709	-
Superconducting Systems	93.286	1R43EB030454	12,639	-
Swedish Medical Center	93.395	5R01CA184283-04	(25,288)	-
Sylvatica Biotech	93.847	1R44DK124053-01	307	-

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

**Mass General Brigham Incorporated and Affiliates
Schedule of Expenditures of Federal Awards
Year Ended September 30, 2021**

<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
Sylvatica Biotech	93.855	2R44AI124835-02	51,159	-
Sylvatica Biotech	93.855	R44AI145782	44,124	-
Temple University	93.847	3U01DK073975-15S2	242	-
Terasaki Family Foundation	93.846	5R01AR073135-05	391,017	-
The Medical College of Wisconsin	93.310	5U24HG010423-02	88,823	-
The Methodist Hospital Research Institute	93.397	5U54CA210181-05	27,759	-
The Methodist Hospital Research Institute	93.853	5U01NS104326-04	3,135	-
The Methodist Hospital Research Institute	93.866	5R01AG057635-04	302,317	-
The University of Texas Health Science Center at Houston	93.399	51R01CA232888-03	8,936	-
The University of Texas Health Science Center at Houston	93.837	5R01HL141824-03	118,951	-
The University of Texas Health Science Center at Houston	93.838	5R01HL145025-02	391,568	-
The University of Texas Health Science Center at Houston	93.865	5R01HD099543-03	61,727	-
The Washington University	93.273	1R21AA027608-01A1	(5,171)	-
The Washington University	93.393	1R37CA246175-01A1	(2,167)	-
The Washington University	93.837	5R01HL143421-03	89,003	-
Thomas Jefferson University	93.837	5R01HL136209-04	100,080	-
Trace-Ability	93.242	1R44MH119110-01A1	(23,411)	-
Transcode Therapeutics	93.395	1R44CA257093-01A1	86,486	-
Translational Genomics Research Institute	93.866	4UH3AG064706-03	71,570	-
Tristan Technologies	93.286	2R44EB02314702	2,402	-
Tristan Technologies	93.853	5R44NS090894-04	39	-
Trustees of Boston University	93.173	3U01DC014922-05S1	56,065	-
Trustees of Boston University	93.173	4500003984	227,378	-
Trustees of Boston University	93.173	5R01DC015570-05	16,556	-
Trustees of Boston University	93.242	5R01MH121397-02	62,886	-
Trustees of Boston University	93.242	7R01MH111359-05	257,473	-
Trustees of Boston University	93.273	5R01AA015923-10	30,621	-
Trustees of Boston University	93.286	1R21EB029154-01	46,639	-
Trustees of Boston University	93.286	5R21EB030197-02	55,935	-
Trustees of Boston University	93.307	4500003776	32,766	-
Trustees of Boston University	93.393	5R01CA226805-03	9,273	-
Trustees of Boston University	93.394	5R01CA232056-03	203,341	-
Trustees of Boston University	93.395	5R01CA227433-04	168,177	-
Trustees of Boston University	93.395	5R01CA232708-03	182,962	-
Trustees of Boston University	93.837	5R01HL098028-06	18,805	-
Trustees of Boston University	93.837	5R01HL141406-04	116,329	-
Trustees of Boston University	93.838	4R01HL116163-04	(696)	-
Trustees of Boston University	93.838	5R33HL137081-05	85,569	-
Trustees of Boston University	93.853	5R01NS110669-03	180,102	-

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

**Mass General Brigham Incorporated and Affiliates
Schedule of Expenditures of Federal Awards
Year Ended September 30, 2021**

<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
Trustees of Boston University	93.853	5U01NS093334-06	415,898	-
Trustees of Boston University	93.859	5R01GM121457-03	120,825	-
Trustees of Boston University	93.866	1R01AG070135-01	7,661	-
Trustees of Boston University	93.866	1RF1AG056032-01A1	240,453	-
Trustees of Boston University	93.866	1RF1AG068121-01	43,916	-
Trustees of Boston University	93.866	5R01AG066010-02	70,105	-
Trustees of Boston University	93.866	5R01AG067394-02	112,176	-
Trustees of Boston University	93.866	5U19AG068753-02	61,813	-
Trustees of Columbia University in the City of New York	93.393	5U01CA199336-05	(67)	-
Trustees of Columbia University in the City of New York	93.395	5R01CA212086-05	81,058	-
Trustees of Columbia University in the City of New York	93.838	5R01HL137234-04	91,201	-
Trustees of Columbia University in the City of New York	93.846	1R56AR077187-01	21,791	-
Trustees of Columbia University in the City of New York	93.846	1R56AR077187-01	163,018	-
Trustees of Columbia University in the City of New York	93.846	5R01AR050026-15	47,650	-
Trustees of Columbia University in the City of New York	93.853	5R01NS084142-08	156,936	-
Trustees of Columbia University in the City of New York	93.853	5U54NS078059-10	61,584	-
Trustees of Columbia University in the City of New York	93.855	1R34AI152962-01	9,512	-
Trustees of Columbia University in the City of New York	93.855	5P01AI045897-20	(1,972)	-
Trustees of Columbia University in the City of New York	93.855	5U54AI138370-05	62,223	-
Trustees of Columbia University in the City of New York	93.865	5R01HD094793-04	30,038	-
Trustees of Columbia University in the City of New York	93.866	5U01AG061356-03	114,219	-
Trustees of Dartmouth College	93.393	R01CA243449	18,702	-
Trustees of Indiana University	93.393	2R01CA157823	25,897	-
Trustees of Indiana University	93.393	5R03CA219779-02	(406)	-
Trustees of Indiana University	93.847	R01DK112293-05	146,036	-
Trustees of Indiana University	93.859	5R01GM120156-04	28,801	-
Trustees of Indiana University	93.866	5U01AG057195-03	393,675	-
Trustees of Indiana University	93.866	5U01AG057195-03S1	484,105	-
Trustees of the University of Pennsylvania	93.286	5R21EB027397-02	44,504	-
Trustees of the University of Pennsylvania	93.286	5U24EB028941-03	20,322	-
Trustees of the University of Pennsylvania	93.394	5R01CA229502-04	28,417	-
Trustees of the University of Pennsylvania	93.837	5P01HL094307-10	23,598	-
Trustees of the University of Pennsylvania	93.837	5R01HL103723-08	197,450	42,598
Trustees of the University of Pennsylvania	93.837	5R01HL131613-04	10,630	-
Trustees of the University of Pennsylvania	93.837	5R01HL148272-02	54,226	-
Trustees of the University of Pennsylvania	93.846	5U54AR057319-18	1,755	-
Trustees of the University of Pennsylvania	93.847	1U01DK126654-01	12,083	-
Trustees of the University of Pennsylvania	93.847	5U01DK103225-07	24,247	-
Trustees of the University of Pennsylvania	93.853	1U54NS115322-01	(8,113)	-

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

**Mass General Brigham Incorporated and Affiliates
Schedule of Expenditures of Federal Awards
Year Ended September 30, 2021**

<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
Trustees of the University of Pennsylvania	93.855	5U19AI149680-02	700,552	-
Trustees of the University of Pennsylvania	93.866	5U01AG032984-12	17,974	-
Trustees of Tufts College	93.121	1R01DE028565-01A1	51,555	-
Trustees of Tufts College	93.837	5R01HL130735-04	(22,644)	-
Trustees of Tufts College	93.867	5R01EY029870-02	13,301	-
Tufts Medical Center, Inc.	93.837	7R01HL149999-02	21,198	-
Tufts Medical Center, Inc.	93.839	5R01HL135160-04	18,970	-
Tufts Medical Center, Inc.	93.865	1R01HD097081-03	183,798	-
Tufts Medical Center, Inc.	93.866	5R01AG064064-02	87,306	-
Tufts University	93.173	3R01DC017869-01A1S1	45,581	-
Tufts University	93.350	5UL1TR002544-03	8,140	-
Tufts University	93.353	1U01CA224153	12,890	-
Tufts University	93.866	5R01AG059011-03	319,904	-
Tufts University School of Medicine	93.350	5UL1TR002544-04	12,192	-
Tulane University School of Medicine	93.853	1R01NS114286-01A1	65,440	-
University of Alabama, Birmingham	93.847	5R01DK115473-04	235,042	-
University of Alabama, Birmingham	93.855	5U19AI142737-02	103,207	-
University of Arizona	93.837	5U01HL133362-04	155,203	-
University of Arizona	93.838	1R01HL149744-01A1	65,632	-
University of Arizona	93.846	5R01AR071409-04	82,219	-
University of Arizona	93.865	1R21HD099623-01A1	20,043	-
University of Arizona	93.989	5R21TW011222-02	8,959	-
University of Arkansas for Medical Sciences	93.310	2U24OD024957-03	88,487	-
University of Arkansas for Medical Sciences	93.865	8U24OD024957	(6,961)	-
University of California at Berkeley	93.172	5RM1HG009490-05	515,092	-
University of California at Berkeley	93.855	1R01AI155634-01	31,827	-
University of California at Davis	93.853	7R01NS058949-10	(127)	-
University of California at Davis	93.866	1RF1AG054548-01	250,606	-
University of California at Irvine	93.113	5R01ES031139-02	83,214	-
University of California at Irvine	93.242	1RF1MH120021-01	64,865	-
University of California at Irvine	93.307	1R01MD015186-01A1	6,710	-
University of California at Irvine	93.361	5R01NR015591-05	(1,394)	-
University of California at San Francisco	93.395	5U24CA215123-04	246,505	-
University of California at San Francisco	93.837	5R01HL125034-03	58,877	-
University of California at San Francisco	93.859	5R01GM117163-04	2,984	-
University of California at San Francisco	93.866	5R01AG038791-10	27,214	-
University of Chicago	93.847	5R01DK118266-03	222,419	-
University of Chicago	93.847	5U54DK118612-03	87,281	-
University of Chicago	93.853	1R01NS116262-01A1	26,173	-

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

**Mass General Brigham Incorporated and Affiliates
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Year Ended September 30, 2021**

<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
University of Cincinnati	93.838	5U01HL131755-05	16,833	-
University of Cincinnati	93.847	5R01DK123330-02	210,436	-
University of Cincinnati	93.853	1U01NS099043-01A1	2,066	-
University of Cincinnati	93.853	1U01NS102289-01A1	33	-
University of Cincinnati	93.853	2U01NS069763-06A1	295,643	-
University of Cincinnati	93.853	5R01NS100417-03	(31,859)	-
University of Cincinnati	93.853	5U01NS036695-19	143,754	-
University of Cincinnati	93.853	5U01NS095869-02	10,084	-
University of Cincinnati	93.866	1R01AG072087-01	44,113	-
University of Colorado at Denver	93.361	3U2CNR014637-07S1	126	-
University of Colorado at Denver	93.361	5U2CNR014637-09	207,256	-
University of Colorado at Denver	93.837	5R01HL125734-05	85,724	-
University of Colorado at Denver	93.838	5R01HL152735-02	223,508	-
University of Colorado at Denver	93.846	5R01AR075033-03	42,031	-
University of Colorado at Denver	93.846	5UH2AR067681-05	12,179	-
University of Colorado at Denver	93.865	5R03HD094560-02	5,050	-
University of Colorado at Denver	93.866	5R01AG054366-02	36,424	-
University of Colorado at Denver	93.866	5R01AG054366-05	51,995	-
University of Connecticut	93.242	5R01MH106506	2,338	-
University of Connecticut	93.846	5R01AR073822-04	302,649	-
University of Connecticut Health Center	93.837	R01 HL131862	670	-
University of Florida Board of Trustees	93.242	R01MH117114	23,431	-
University of Florida Board of Trustees	93.279	5R01DA039044-05	137,285	-
University of Florida Board of Trustees	93.393	5R01CA240341-02	122,436	-
University of Florida Board of Trustees	93.865	5R01HD089939-05	224,800	-
University of Georgia Research Foundation, Inc.	93.855	U01AI148114	58,197	-
University of Hawaii	93.393	4P01CA168530-05	(1,450)	-
University of Houston	93.213	R34AT010081	48,387	-
University of Houston	93.286	5R21EB026175-02	47,096	-
University of Houston	93.286	R21EB030257-01	67,806	-
University of Illinois	93.121	1R01DE027989	224,577	19,109
University of Illinois	93.242	5R56MH112642-02	21,660	-
University of Iowa	93.847	2U01DK108334-06	1,491	-
University of Iowa	93.853	5U01NS093663-05	64,867	-
University of Iowa	93.853	7U01NS093663-04	1,000	-
University of Iowa	93.855	5UH2AI144434-02	45,632	-
University of Kansas Medical Center Research Institute, Inc.	93.847	5R01DK115727-02	36,665	-
University of Kentucky	93.213	5R34AT010370-02	154,640	-
University of Louisville	93.837	1PO1HL078825-14	2,039	-

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

**Mass General Brigham Incorporated and Affiliates
Schedule of Expenditures of Federal Awards
Year Ended September 30, 2021**

<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
University of Maryland	93.853	1R01NS100178-02	138,711	-
University of Maryland	93.855	5R01AI120008	(1,821)	-
University of Maryland	93.855	R01AI155716	98,428	-
University of Maryland, Baltimore	93.395	R01CA260340	59,036	-
University of Maryland, Baltimore	93.855	1R01AI144983-02	(6,114)	-
University of Maryland, Baltimore	93.859	R01GM118837	14,450	-
University of Massachusetts Amherst	93.242	R01MH122371	76,269	-
University of Massachusetts Amherst	93.393	5R01CA207369-05	262,980	-
University of Massachusetts Amherst	93.865	5R01HD078517-05	58	-
University of Massachusetts Amherst	93.866	5R01AG051600-04	50,522	-
University of Massachusetts Amherst	93.879	1R01LM013444-01	18,489	-
University of Massachusetts at Lowell	93.853	5R01NS097723-06	46,046	-
University of Massachusetts at Lowell	93.865	4R00HD093814-03	43,520	-
University of Massachusetts at Lowell	93.866	R21AG068890	150,164	-
University of Massachusetts Medical School	93.242	5R01MH083320-12	21,632	-
University of Massachusetts Medical School	93.853	5R01NS098747-05	49,334	-
University of Massachusetts Medical School	93.866	5R33AG057806-03	39,255	13,200
University of Massachusetts, Worcester	93.279	5R21DA046734-02	(2,925)	-
University of Massachusetts, Worcester	93.837	5R01HL131624-04	421,094	-
University of Massachusetts, Worcester	93.837	5R01HL137734-04	19,083	-
University of Massachusetts, Worcester	93.837	5R01HL137794-04	10,680	-
University of Massachusetts, Worcester	93.837	5R01HL145721-03	11,623	-
University of Massachusetts, Worcester	93.847	1R01DK127180-01	103,840	-
University of Massachusetts, Worcester	93.847	1R01DK127207-01	28,441	-
University of Massachusetts, Worcester	93.853	5R01NS108769-03	592,196	-
University of Massachusetts, Worcester	93.853	5U01NS114098-02	295,502	-
University of Miami	93.242	5R01MH103770-05	4,285	-
University of Miami	93.242	5R01MH110441-04	(65)	-
University of Miami	93.242	5R01MH118043-02	19,467	-
University of Miami	93.839	2R56HL131013-05A1	44,185	-
University of Miami	93.853	2U54NS092091-06	5,055	-
University of Miami	93.853	5R01NS098740-05	25,556	-
University of Miami	93.866	1R01AG067568-01A1	1,138	-
University of Michigan	93.213	5R01AT007550-05	1,402	-
University of Michigan Medical School	93.121	3U01DE029255-01S2	25,461	-
University of Michigan Medical School	93.837	5R01HL146619-02	137,657	-
University of Michigan Medical School	93.839	5R01HL144550-02	113,179	-
University of Minnesota	93.839	5R01HL132906-05	171,900	-
University of New South Wales	93.279	5R01DA040506-03	1,691	-

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

**Mass General Brigham Incorporated and Affiliates
Schedule of Expenditures of Federal Awards
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<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
University of North Carolina at Chapel Hill	93.172	5U41HG009650-04	117,223	-
University of North Carolina at Chapel Hill	93.242	5U01MH109528-05	37,676	-
University of North Carolina at Chapel Hill	93.242	5U01MH110925-05	224,065	-
University of North Carolina at Chapel Hill	93.286	5R01EB025024-03	(67)	-
University of North Carolina at Chapel Hill	93.310	5UH3OD023348-05	61,930	-
University of North Carolina at Chapel Hill	93.393	1R01CA227122-02	101,215	-
University of North Carolina at Chapel Hill	93.837	1OT3HL142479-12	51,668	-
University of North Carolina at Chapel Hill	93.837	1OT3HL147154-01	69,733	-
University of North Carolina at Chapel Hill	93.838	5U24HL138998-04	28,358	-
University of North Carolina at Chapel Hill	93.847	1R01DK125831-01	99,665	-
University of North Carolina at Chapel Hill	93.847	1R01DK127365-01	1,751	-
University of North Carolina at Chapel Hill	93.865	5R01HD092374-05	223,007	-
University of North Carolina at Chapel Hill	93.865	5U19HD089881-05	25,587	-
University of North Carolina at Chapel Hill	93.865	5U24HD089880-05	385,063	69,048
University of North Carolina at Chapel Hill	93.866	1R01AG065394-01A1	28,894	-
University of Pittsburgh Of the Commonwealth System of Higher Education	93.121	5R01DE026155-02	64,672	-
University of Pittsburgh Of the Commonwealth System of Higher Education	93.121	U01DE029759-02	141,474	-
University of Pittsburgh Of the Commonwealth System of Higher Education	93.310	5U01GM132133-02	30,005	-
University of Pittsburgh Of the Commonwealth System of Higher Education	93.350	1R21TH002639-01A1	9,966	-
University of Pittsburgh Of the Commonwealth System of Higher Education	93.350	5UL1TR001857-05	654,490	-
University of Pittsburgh Of the Commonwealth System of Higher Education	93.396	1R01CA256068-01	4,420	-
University of Pittsburgh Of the Commonwealth System of Higher Education	93.837	5R01HL142932-04	7,025	-
University of Pittsburgh Of the Commonwealth System of Higher Education	93.837	5R01HL151386-02	148,621	-
University of Pittsburgh Of the Commonwealth System of Higher Education	93.838	180007-03	(535)	-
University of Pittsburgh Of the Commonwealth System of Higher Education	93.838	1OT2HL156812-01	2,296,260	-
University of Pittsburgh Of the Commonwealth System of Higher Education	93.838	5R01HL113178-07	6,681	-
University of Pittsburgh Of the Commonwealth System of Higher Education	93.838	5U01HL128954-04	(1,228)	-
University of Pittsburgh Of the Commonwealth System of Higher Education	93.838	5U01HL128954-05	24,679	-
University of Pittsburgh Of the Commonwealth System of Higher Education	93.846	1UG3AR076568-01	(1,758)	-
University of Pittsburgh Of the Commonwealth System of Higher Education	93.846	4UH3AR076568-02	31,360	-
University of Pittsburgh Of the Commonwealth System of Higher Education	93.846	5P50AR060780-09	15,523	-
University of Pittsburgh Of the Commonwealth System of Higher Education	93.853	1U24NS115708-01	6,106	-
University of Pittsburgh Of the Commonwealth System of Higher Education	93.853	5R01NS096755-05	18,172	-
University of Pittsburgh Of the Commonwealth System of Higher Education	93.853	5R01NS098023-05	54,384	-
University of Pittsburgh Of the Commonwealth System of Higher Education	93.855	1R01A150255-02	51,308	-
University of Pittsburgh Of the Commonwealth System of Higher Education	93.855	2P01A108545-06	171,465	-
University of Pittsburgh Of the Commonwealth System of Higher Education	93.855	5P01A1129880-04	548,450	-
University of Pittsburgh Of the Commonwealth System of Higher Education	93.865	4U10HD036801-21	102,053	-
University of Pittsburgh Of the Commonwealth System of Higher Education	93.865	Number Not Available	79,147	-

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

**Mass General Brigham Incorporated and Affiliates
Schedule of Expenditures of Federal Awards
Year Ended September 30, 2021**

<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
University of Pittsburgh Of the Commonwealth System of Higher Education	93.866	1U19AG063720-01A1	548,303	-
University of Pittsburgh Of the Commonwealth System of Higher Education	93.866	1U19AG068054-01	149,183	-
University of Pittsburgh Of the Commonwealth System of Higher Education	93.866	5R01AG056331-03	26,263	-
University of Rochester	93.242	2R01MH045573-29A1	241,869	-
University of Rochester	93.242	5P50MH106435-05	28,408	-
University of Rochester	93.866	5P01AG047200-08	314,415	-
University of Rochester Medical Center	93.853	5R21NS104878-02	(2,218)	-
University of Southern California	93.839	5U19HL156247-02	1,231,527	-
University of Southern California	93.847	5U01DK107350-05	98,518	-
University of Southern California	93.847	5U24DK110814-05	112,152	-
University of Southern California	93.853	5U54NS100064-05	22,053	-
University of Southern California	93.853	5UH3NS100614-05	2,332	-
University of Southern California	93.866	1R01AG061848-01	2,415	-
University of Southern California	93.866	1R01AG063689-01	79,628	-
University of Southern California	93.866	2U19AG024904-11	(3,052)	-
University of Southern California	93.866	4U19AG010483-25	597,568	-
University of Southern California	93.866	5R01AG053798-04	127,859	-
University of Southern California	93.866	5R01AG054029-02	27,423	-
University of Southern California	93.866	5R01AG061848-02	239,434	-
University of Southern California	93.866	5U19AG010483-26	4,793	-
University of Southern California	93.866	5U24AG057437-02	508,628	-
University of Southern California	93.866	5U24AG057437-04	476,112	-
University of Southern California	93.866	U24AG057437	19,290	-
University of Tennessee Health Science Center	93.867	1R21EY030142-01	74,542	-
University of Tennessee Health Science Center	93.867	1R21EY031725-01	21,763	-
University of Texas at Austin	93.242	1R01MH120219-01A1	81,804	-
University of Texas at San Antonio	93.853	1R01NS113516-02	245,034	-
University of Texas Health Science Center at San Antonio	93.853	5R01NS017950-37	185,432	-
University of Texas Health Science Center at San Antonio	93.866	5R01AG054076-05	725,721	-
University of Texas Health Science Center at San Antonio	93.866	5R01AG062531-02	109,898	-
University of Texas Health Science Center at San Antonio	93.866	5R01AG066524-02	277,778	-
University of Texas Health Science Center at San Antonio	93.866	7R01AG049607-04	59,576	-
University of Texas Medical Branch at Galveston	93.865	19-84725-10	8,558	-
University of Texas Southwestern Medical Center	93.393	5R01CA233794-03	43,196	-
University of Texas Southwestern Medical Center	93.394	1R37CA242070-01A1	33,560	-
University of Texas Southwestern Medical Center	93.396	5UM1CA221940-04	724,846	-
University of Texas Southwestern Medical Center	93.853	5R01NS108115-04	460,237	-
University of Texas Southwestern Medical Center	93.855	1R34A1134569-01A1	8,005	-
University of Texas Southwestern Medical Center	93.855	5U19A1142784-03	671,353	-

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

**Mass General Brigham Incorporated and Affiliates
Schedule of Expenditures of Federal Awards
Year Ended September 30, 2021**

<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
University of Texas Southwestern Medical Center	93.866	5R01AG056426-04	315,877	-
University of Texas, MD Anderson Cancer Center	93.394	5U01CA200462-05	94,085	-
University of Texas, MD Anderson Cancer Center	93.395	1R01CA260872-01	66,168	-
University of Utah	93.121	5R01DE027255-03	871	-
University of Utah	93.173	5U01DC014706-03	232	-
University of Utah	93.393	1R01CA242729-02	128,763	-
University of Utah	93.395	5R01CA227225-03	128,916	-
University of Utah	93.855	5R33AI122377-05	14,151	-
University of Utah	93.859	5R01GM134069-01	253,315	-
University of Washington	93.113	5R01ES027696-04	96,798	-
University of Washington	93.837	1R01HL142834-03	28,339	-
University of Washington	93.838	5R01HL132232-04	(4,067)	-
University of Washington	93.839	5R01HL154385-02	24,303	-
University of Washington	93.847	5U2CDK114886-04	19,719	-
University of Washington	93.855	1R01AI136648-03	(137,682)	-
University of Washington	93.866	3U01AG016976-20SA	72,371	-
University of Washington	93.866	5R33AG067069-02	5,556	-
University of Washington - Seattle	93.393	2R01CA194393-05A1	96,169	-
University of Washington - Seattle	93.866	3U01AG016976-20SA	40,191	-
University of Washington - Seattle	93.866	5R21AG070576-02	22,092	-
Vanderbilt University	93.286	5R01EB016695-07	19,526	-
Vanderbilt University Medical Center	93.242	5R01MH113478-05	55,080	-
Vanderbilt University Medical Center	93.242	R56MH120736	144,082	-
Vanderbilt University Medical Center	93.350	3UL1TR002243-04S3	348,160	-
Vanderbilt University Medical Center	93.394	5U01CA231840-03	78,585	-
Vanderbilt University Medical Center	93.837	5R01HL131977-05	21,520	-
Vanderbilt University Medical Center	93.838	1R56HL141567-01A1	(1)	-
Vanderbilt University Medical Center	93.838	5R01HL146588-03	23,378	-
Vanderbilt University Medical Center	93.846	5R01AR060846-08	60,360	-
Vanderbilt University Medical Center	93.855	1R01AI152693-01A1	83,642	-
Vanderbilt University Medical Center	93.855	1R01AI154659-01	16,157	-
Vanderbilt University Medical Center	93.855	1R21AI139012-02	(6,738)	-
Vanderbilt University Medical Center	93.855	5R01AI077505-11	5,329	-
Vanderbilt University Medical Center	93.866	5R01AG062499-03	24,984	-
Vanderbilt University Medical Center	93.867	U24EY029893-03	607,542	-
Vascular BioSciences	93.838	1R42HL132742-01A1	179,773	-
Veristride	93.879	1R43LM013104-01	68,540	-
Virginia Commonwealth University	93.853	5U01NS095388-03	728,210	52,006
Virginia Commonwealth University	93.853	5U01NS095388-3	5,150	-

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

**Mass General Brigham Incorporated and Affiliates
Schedule of Expenditures of Federal Awards
Year Ended September 30, 2021**

<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
Volatylx, Inc.	93.855	5R44AI141264-03	135,767	-
Vox Biomedical	93.279	4R42DA049655-03	13,973	-
Vox Biomedical	93.279	6R42DA049655-02	5,884	-
Vox Biomedical LLC	93.279	3R42DA049655-02S1	29,843	-
Wake Forest University	93.846	5U01AR068658-04	74,625	-
Wake Forest University	93.846	R34AR077361	36,909	-
Wake Forest University Health Sciences	93.233	5R01HL133684-04	45,745	-
Wake Forest University Health Sciences	93.859	3P01GM113852-05S1	7,961	-
Wake Forest University Health Sciences	93.859	P01GM113852	62,445	-
Wake Forest University Health Sciences	93.866	5R01AG050657-05	54,946	-
Wake Forest University Health Sciences	93.866	5R01AG058571-04	440	-
Wake Forest University Health Sciences	93.866	5R01AG064440-03	59,848	-
Washington University	93.273	5R21AA027608-02	92,899	-
Washington University	93.393	1R37CA246175-01A1	53,056	-
Washington University	93.393	5R01CA248526-02	378,418	-
Washington University	93.394	5U24CA196171-07	75,185	-
Washington University	93.397	5P50CA171963-08	134,669	-
Washington University	93.837	1R01HL156265-01	41,114	-
Washington University	93.837	1R01HL156991-01	33,645	-
Washington University	93.839	4UH3HL138325-03	19,595	-
Washington University	93.839	5UH3HL138325-03	80,634	-
Washington University	93.866	1U19AG063893-01	(908)	-
Washington University	93.866	2RF1AG047644-06	344,115	-
Washington University	93.866	2U19AG032438-09	32,488	-
Washington University	93.866	3U01AG052564-04S1	5,653	-
Washington University	93.866	5R34AG056639-02	16,722	-
Washington University	93.866	5U01AG052564-04	772,407	-
Weill-Cornell Medical College	93.837	5R01HL128278-05	(14,067)	-
Whitehead Institute for Biomedical Research	93.855	5R21AI134365-02	(1,401)	-
Wits Reproductive Health and HIV Institute (WRHI)	93.840	1UG3HL156388-01	21,175	-
Wyss Institute at Harvard University	93.353	1U54CA244726-01	348,433	-
Yale University	93.173	5R21DC018098-02	56,302	-
Yale University	93.242	5R01MH120080-03	157,852	-
Yale University	93.279	2P30DA018343-16	12,600	-
Yale University	93.279	2UG1DA015831-20	18,611	-
Yale University	93.279	3UG1DA015831-20S1	564,017	-
Yale University	93.279	3UG1DA015831-20S2	490,234	-
Yale University	93.279	5P30DA018343-15	(12,296)	-
Yale University	93.279	5UG1DA015831-20	429,645	-

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

**Mass General Brigham Incorporated and Affiliates
Schedule of Expenditures of Federal Awards
Year Ended September 30, 2021**

<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research and Development Continued				
Yale University	93.350	7R21TR002639-03	12,011	-
Yale University	93.393	5R03CA219603-02	72,795	-
Yale University	93.394	5U01CA233364-02	40,901	-
Yale University	93.394	5U01CA233364-03	79,184	-
Yale University	93.396	5R01CA230275-03	128,887	-
Yale University	93.837	1R01HL141852-01A1	(18,297)	-
Yale University	93.837	5R01HL148819-03	93,804	-
Yale University	93.853	1R01NS117904-01	67,837	-
Yale University	93.853	3U01NS106513-02S1	181,887	-
Yale University	93.853	5R01NS11072-02	4,265	-
Yale University	93.853	5U01NS106513-02	16,229	-
Yale University	93.855	5P01AI039671-24	887,090	-
Yale University	93.855	5R01AI104824-08	15,513	-
Yale University	93.866	5R01AG065403-02	153,001	-
Yale University School of Medicine	93.361	5R01NR018335-03	52,909	-
			<u>Subtotal</u>	<u>1,025,436,427</u>
Department of Health and Human ServicesOffice of Minority Health Northwestern University	93.137	5CPIMP181168-02-00	43,088	-
			<u>Subtotal</u>	<u>43,088</u>
Department of Health and Human ServicesOffice of the Secretary				
Beckman Coulter	93.RD3	75A0120C00189	289,883	187,500
Broad Institute, Inc.	93.RD3	75A50120P00097	82,868	-
Emory University	93.825	6U3REP150549-05-03	86,636	-
Emory University	93.825	6U3REP170552-04-01	36,140	-
Emory University	93.RD3	HHSO100201900015C	283	-
IQVIA RDS	93.RD3	ASDF	1,442	-
Mapp Biopharmaceutical	93.RD3	HHSO100201600021C	49,943	-
Massachusetts General Hospital	93.817	1HITEP180042-01-00	(526)	-
New York City Health and Hospitals Corporation	93.825	1NU38CK000482-01-00	100,620	-
Office of the Assistant Secretary for Preparedness and Response	93.817	Direct	1,931,351	560,749
			<u>Subtotal</u>	<u>2,578,640</u>
Department of Health and Human ServicesSubstance Abuse and Mental Health Services Administration				
American Academy of Addiction Psychiatry (AAAP)	93.788	1H79TI083343-01	159,359	-
Centers for Disease Control and Prevention	93.276	Direct	118,649	-
Foundation for Health Communities	93.959	05-95-49-491510-2990	75,309	-
Substance Abuse and Mental Health Services Administration	93.243	Direct	550,741	-
			<u>Subtotal</u>	<u>904,058</u>
Department of JusticeBureau of Justice Assistance U.S. Department of Justice Office of Justice Programs	16.842	Direct	80,102	-

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

**Mass General Brigham Incorporated and Affiliates
Schedule of Expenditures of Federal Awards
Year Ended September 30, 2021**

Cluster Title/Federal Program/Pass-Through Program	Assistance Listing Number	Direct Award or Pass-Through Entity Identifying Number	Total Expenditures	Subrecipient Expenditures
Research and Development Continued				
			Subtotal	80,102
Department of JusticeDrug Enforcement Administration U.S. Department of Justice Office of Justice Programs	93.RD13	Direct	64,416	-
			Subtotal	64,416
Department of JusticeOffice for Victims of Crime Beth Israel Deaconess Medical Center	16.320	OVC-2019-15655	115,300	-
			Subtotal	115,300
Department of State Global Health Service Corps	93.RD19	Number Not Available	86,045	-
			Subtotal	86,045
Department of StateBureau of Democracy, Human Rights and Labor Fenway Community Health Center	19.345	SLMAQM15GR1049	12,694	-
			Subtotal	12,694
Department of TransportationFederal Aviation Administration (FAA) Boston University School of Public Health Federal Aviation Administration	93.RD2 93.RD2	13-C-AJFE-BU-16 Direct	207,558 1,440,422	- -
			Subtotal	1,647,980
Department of Veterans Affairs Department of Veterans Affairs President and Fellows of Harvard College VA Boston Healthcare System VA Tennessee Valley Healthcare System	93.RD12 93.RD12 93.RD22 93.RD22	Direct 36C24E20N0129 Direct Direct	1,024,859 37,360 313,574 39	- - - -
			Subtotal	1,375,832
Federal Communications Commission Federal Communications Commission	93.RD14	Direct	137,039	-
			Subtotal	137,039
National Aeronautics and Space Administration Baylor College of Medicine Baylor College of Medicine Emerald Innovations KBRWyle Massachusetts Institute of Technology Massachusetts Institute of Technology Massachusetts Institute of Technology National Aeronautics and Space Administration National Aeronautics and Space Administration Thomas Jefferson University Trustees of Dartmouth College Trustees of the University of Pennsylvania	43.003 43.003 43.003 93.RD17 43.001 43.001 43.003 43.001 43.003 43.003 43.003 43.003	NNX16A069A NNX17AE04G NNX16A069A NNJ15HK11B 80NSSC19K1028 NNX15AF85G 700000324/NNX16A069A Direct Direct NNX15AC14G 80NSSC19K1632 NNX15AK76A	737,081 10,515 45,088 152,513 (4,139) 14 182,725 (4,481) 1,570,780 171,148 2,385 112,472	- - - 86,441 - - - - 56,466 - - -

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

Mass General Brigham Incorporated and Affiliates
Schedule of Expenditures of Federal Awards
Year Ended September 30, 2021

Cluster Title/Federal Program/Pass-Through Program	Assistance Listing Number	Direct Award or Pass-Through Entity Identifying Number	Total Expenditures	Subrecipient Expenditures
Research and Development Continued				
			Subtotal	<u>2,976,101</u>
National Science Foundation				<u>142,907</u>
Altigg Therapeutics	47.041	2036233	11,907	-
Altigg Therapeutics Inc	47.041	2036233	33,846	-
Children's Hospital Corporation dba Boston Children's Hospital	47.049	1707865	4,848	-
Claremont McKenna College	47.075	2027694	25,509	-
George Washington University	47.041	1830941	66,072	-
Massachusetts Institute of Technology	47.076	5710004209	(11)	-
National Science Foundation	47.041	Direct	171,643	81,931
National Science Foundation	47.041	Direct	22,709	-
National Science Foundation	47.049	Direct	283,731	(23,008)
National Science Foundation	47.049	Direct	1,106	-
National Science Foundation	47.070	Direct	321,212	-
National Science Foundation	47.070	Direct	98,225	-
National Science Foundation	47.074	Direct	371,007	178,090
National Science Foundation	47.075	Direct	151,496	-
National Science Foundation	47.076	Direct	3,340	-
National Science Foundation	47.076	Direct	83,373	-
President and Fellows of Harvard College	47.070	CCF-1509178	97,715	-
President and Fellows of Harvard College	47.079	59-0210-6-004	10,909	-
Regents of the University of California, San Diego	47.075	1932619	34,566	-
Regents of the University of Minnesota	47.041	194153	969,336	-
Research Foundation for The SUNY Stony Brook University	47.070	IIS1926781	226,443	-
Retinal Registry	47.041	2025322	21,149	-
Scalar Magnetics	47.041	2014924	25,162	-
Trustees of Boston University	47.075	BCS-2027553	39,109	-
University of Iowa	47.083	2040532	49,447	-
University of Massachusetts Amherst	47.070	1915481	4,342	-
University of Nevada Las Vegas	47.074	1921742	38,404	-
University of Nevada Las Vegas	47.074	1929592	11,296	-
Woods Hole Research Center	47.050	1915307	12,422	-
			Subtotal	<u>3,190,313</u>
Social Security Administration				<u>20,082</u>
Westat, Inc.	96.001	SS001660014	20,082	-
			Subtotal	<u>20,082</u>
U.S. Department of Health & Human Services				<u>262</u>
Massachusetts League of Community Health	93.899	FY2018	262	-
			Subtotal	<u>262</u>
		Total Research and Development	<u>\$ 1,145,638,317</u>	<u>\$ 186,612,610</u>

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

**Mass General Brigham Incorporated and Affiliates
Schedule of Expenditures of Federal Awards
Year Ended September 30, 2021**

<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research Training				
Department of DefenseU.S. Army Medical Command U.S. Army Medical Research Acquisition Activity	12.420	Direct	\$ 254,512	\$ -
			Subtotal	254,512
Department of Health and Human ServicesAgency for Healthcare Research and Quality Agency for Healthcare Research and Quality Children's Hospital Corporation dba Boston Children's Hospital	93.226 93.226	Direct 5T32HS000063-27	285,244 42,101	- -
			Subtotal	327,345
Department of Health and Human ServicesHealth Resources and Services Administration Health Resources and Services Administration Health Resources and Services Administration Massachusetts General Hospital MGH Institute of Health Professions President and Fellows of Harvard College President and Fellows of Harvard College	93.186 93.732 93.732 93.732 93.110 93.884	Direct Direct 1T25HP37602-01 1M01HP41980-01-00 6T76MC000016501 5T0BHP29997-05-00	495,329 379,522 126,303 634 10,408 14,145	- 94,029 - - - -
			Subtotal	1,026,341
Department of Health and Human ServicesNational Institutes of Health American Academy of Child and Adolescent Psychiatry American University of Beirut Beth Israel Deaconess Medical Center Beth Israel Deaconess Medical Center Boston Medical Center Brigham and Women's Hospital Brigham and Women's Hospital Brigham and Women's Hospital Children's Hospital Corporation dba Boston Children's Hospital Children's Hospital Corporation dba Boston Children's Hospital Children's Hospital Corporation dba Boston Children's Hospital Children's Hospital Corporation dba Boston Children's Hospital Children's Hospital Corporation dba Boston Children's Hospital Children's Hospital Corporation dba Boston Children's Hospital Children's Hospital Corporation dba Boston Children's Hospital Children's Hospital Corporation dba Boston Children's Hospital Children's Hospital Corporation dba Boston Children's Hospital Dana Farber Cancer Institute Dana Farber Cancer Institute Dana Farber Cancer Institute Dana Farber Cancer Institute Dana Farber Cancer Institute Dana Farber Cancer Institute Dana Farber Cancer Institute	93.279 93.989 93.213 93.837 93.242 93.242 93.839 93.865 93.837 93.839 93.839 93.847 93.847 93.855 93.865 93.865 93.393 93.398 93.398 93.398 93.398 93.398 93.398 93.398	K12DA000357 2D43TW009118-06 5T32AT000051-22 5T32HL007734-27 5T32MH116140-03 5K24MH110807-05 5K12HL141953-03 1K12HD103096-01 5T32HL007572-35 5T32HL066987-19 5T32HL066987-20 5F32DK122766-02 5T32DK007477-37 5T32AI007512-34 5K12HD052896-13 5T32HD098061-02 5UE5CA246746-02 5K08CA208008-05 5K08CA219504-05 5R25CA181000-07 5T32ACA092203-18 5T32CA092203-19 T32CA092203	39,450 13,536 138,825 13,899 114,876 4,899 92,311 106,555 (10,218) 119,437 63,096 10,667 39,807 61,308 22,506 56,978 76,377 97,499 130,001 79,204 13,899 18,005 38,774	- - - - - - - - - - - - - - - - - - - - - - - -

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

Mass General Brigham Incorporated and Affiliates
Schedule of Expenditures of Federal Awards
Year Ended September 30, 2021

<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Research Training Continued				
Dana Farber Cancer Institute	93.855	5T32AI007386-27	25,325	-
George Washington University	93.853	5U54NS115054-02	50,881	-
Hebrew Rehabilitation Center for Aged	93.866	5T32AG023480-15	20,830	-
Joslin Diabetes Center	93.847	5T32DK007260-44	52,525	-
Judge Baker Children's Center	93.142	5T32MH016259-40	53,285	-
Judge Baker Children's Center	93.242	5T32MH016259-40	84,518	-
Kennedy Krieger Institute	93.853	5K12NS098482-05	207,451	-
Massachusetts General Hospital	93.242	5K01MH111802-04	22,294	-
Massachusetts General Hospital	93.866	5K23AG061276-02	6,292	-
NIH-FIC Fogarty International Center	93.989	Direct	120,370	45,834
NIH-NCCIH National Center for Complementary and Integrative Health	93.213	Direct	611,154	-
NIH-NCI National Cancer Institute	93.393	Direct	237,549	-
NIH-NCI National Cancer Institute	93.398	Direct	8,477,447	357,715
NIH-NEI National Eye Institute	93.867	Direct	1,684,612	-
NIH-NHGRI National Human Genome Research Institute	93.172	Direct	578,801	-
NIH-NHLBI National Heart, Lung, and Blood Institute	93.233	Direct	1,414,406	-
NIH-NHLBI National Heart, Lung, and Blood Institute	93.837	Direct	8,898,328	(69,668)
NIH-NHLBI National Heart, Lung, and Blood Institute	93.838	Direct	7,779,994	26,861
NIH-NHLBI National Heart, Lung, and Blood Institute	93.839	Direct	1,909,456	766,118
NIH-NIA National Institute on Aging	93.866	Direct	3,414,224	22,793
NIH-NIAAA National Institute on Alcohol Abuse and Alcoholism	93.273	Direct	1,075,369	-
NIH-NIAID National Institute of Allergy and Infectious Diseases	93.855	Direct	2,328,519	47,858
NIH-NIAID National Institute of Allergy and Infectious Diseases	93.855	Direct	4,233,941	248,720
NIH-NIAAMS National Institute of Arthritis and Musculoskeletal and Skin Diseases	93.846	Direct	4,302,102	95,896
NIH-NIBIB National Institute of Biomedical Imaging and Bioengineering	93.286	Direct	1,308,679	-
NIH-NICHD National Institute of Child Health and Human Development	93.865	Direct	2,388,954	76,097
NIH-NIDA National Institute on Drug Abuse	93.279	Direct	3,342,420	118,105
NIH-NIDCD National Institute on Deafness and Other Communication Disorders	93.173	Direct	1,428,741	-
NIH-NIDCR National Institute of Dental and Craniofacial Research	93.121	Direct	283,283	-
NIH-NIDDK National Institute of Diabetes and Digestive and Kidney Diseases	93.847	Direct	9,243,784	13,843
NIH-NIEHS National Institute of Environmental Health Sciences	93.113	Direct	204,986	27,750
NIH-NIGMS National Institute of General Medical Sciences	93.859	Direct	1,904,202	-
NIH-NIMH National Institute of Mental Health	93.242	Direct	7,094,921	192,782
NIH-NINDS National Institute of Neurological Disorders and Stroke	93.853	Direct	5,743,512	125,283
NIH-NLM National Library of Medicine	93.879	Direct	17,337	-
President and Fellows of Harvard College	93.113	5T32ES7069-41	47,376	-
President and Fellows of Harvard College	93.242	T32MH017119	6,068	-
President and Fellows of Harvard College	93.350	5KL2TR002542-02	(2,153)	-
President and Fellows of Harvard College	93.350	5KL2TR002542-03	98,176	-

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

**Mass General Brigham Incorporated and Affiliates
Schedule of Expenditures of Federal Awards
Year Ended September 30, 2021**

Cluster Title/Federal Program/Pass-Through Program	Assistance Listing Number	Direct Award or Pass-Through Entity Identifying Number	Total Expenditures	Subrecipient Expenditures
Research Training Continued				
President and Fellows of Harvard College	93.350	5KL2TR002542-04	508,138	-
President and Fellows of Harvard College	93.398	2T32CA009001-45	56,696	2,280
President and Fellows of Harvard College	93.398	5T32CA009001-45	146,175	-
President and Fellows of Harvard College	93.398	5T32CA9001-44	36,378	-
President and Fellows of Harvard College	93.398	5T32CA9001-45	51,293	-
President and Fellows of Harvard College	93.398	5T32ES007069-39	(48)	-
President and Fellows of Harvard College	93.398	T32CA009001	189	-
President and Fellows of Harvard College	93.855	4T32AI007433-25	155	-
President and Fellows of Harvard College	93.855	5T32AI007245-38	8,960	-
President and Fellows of Harvard College	93.866	5T32AG000222-28	16,592	-
President and Fellows of Harvard College	93.866	5T32AG000222-29	142,106	-
President and Fellows of Harvard College	93.866	5T32AI007245-37	60,937	-
President and Fellows of Harvard College	93.879	5T15LM007092-26	12,381	-
President and Fellows of Harvard College	93.879	5T15LM007092-28	74,712	-
President and Fellows of Harvard College	93.879	5T15LM007092-29	109,333	-
President and Fellows of Harvard College	93.879	5T15LM007092-30	99,288	-
Regents of the University of California, San Francisco	93.837	5R25HL126146-06	8,027	-
Rhode Island Hospital	93.866	1K76AG059983-01A1	(2,161)	-
Trustees of Boston University	93.837	5T32HL125232-06	62,231	-
Trustees of Tufts College	93.121	K23DE026804-04	24,522	-
University of North Carolina at Chapel Hill	93.837	1OT3HL147154-01	286,859	-
		Subtotal	<u>83,744,413</u>	<u>2,098,267</u>
Department of Health and Human Services Substance Abuse and Mental Health Services Administration				
American Academy of Addiction Psychiatry	93.243	5H79TI081358-02	79,275	-
MGH Institute of Health Professions	93.243	5H79TI081655-03	38,146	-
Substance Abuse and Mental Health Services Administration	93.243	Direct	86,441	45,861
		Subtotal	<u>203,862</u>	<u>45,861</u>
		Total Research Training	<u>\$ 85,556,473</u>	<u>\$ 2,238,157</u>
		Total Research and Development and Research Training	<u>\$ 1,231,194,790</u>	<u>\$ 188,850,767</u>

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

Mass General Brigham Incorporated and Affiliates
Schedule of Expenditures of Federal Awards
Year Ended September 30, 2021

<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Student Financial Aid				
Department of EducationOffice of Federal Student Aid U.S. Department of Education - Direct Loans	84.268	Direct	\$ 39,741,912	\$ -
			Subtotal	-
			<u>39,741,912</u>	<u>-</u>
Department of Health and Human ServicesHealth Resources and Services Administration U.S. Department of Health and Human Services	93.264	Direct	59,927	-
			Subtotal	-
			<u>59,927</u>	<u>-</u>
ARRA Nurse Faculty Loan Program FY21 Beginning Balance U.S. Department of Health and Human Services	93.408	Direct	20,201	-
			Subtotal	-
			<u>20,201</u>	<u>-</u>
Nurse Faculty Loan Program (NFLP) FY21 Beginning Balance U.S. Department of Health and Human Services	93.264	Direct	214,737	-
			Subtotal	-
			<u>214,737</u>	<u>-</u>
			Total Student Financial Aid	\$ -
			\$ 40,036,777	\$ -

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

Mass General Brigham Incorporated and Affiliates
Schedule of Expenditures of Federal Awards
Year Ended September 30, 2021

Cluster Title/Federal Program/Pass-Through Program	Assistance Listing Number	Direct Award or Pass-Through Entity Identifying Number	Total Expenditures	Subrecipient Expenditures
Other Programs				
Agency for International Development				
Fenway Community Health Center	98.001	72038619CA0001	\$ (232)	\$ -
Invisible Children	98.001	7260518CA00001	23,447	-
Last Mile Health	98.001	Number Not Available	(2,337)	-
President and Fellows of Harvard College	98.001	7200AA19APS00002	83,069	-
President and Fellows of Harvard College	98.001	AID-OFDA-A-17-00008	(774)	-
SSG Advisors, LLC d/b/a Resonance	98.001	7200AA18C00072	32,057	-
U.S. Agency for International Development	98.001	7200AA18CA00002	464,454	149,445
U.S. Agency for International Development	98.001	720FDA20CA00084	195,964	-
U.S. Agency for International Development	98.001	AID-440-A-16-00002	1,673,006	1,112,074
University Research Co. LLC	98.001	OAA-A-10-00021	17,401	9,776
		Subtotal	<u>2,486,055</u>	<u>1,271,295</u>
Department of AgricultureFood and Nutrition Service				
Greater Boston Food Bank	10.569	SNAP	417,692	-
Massachusetts Department of Public Health	10.557	INTF3502M03162726104	855,004	-
Massachusetts Department of Public Health	10.557	INTF3502M03162726128	844,143	-
Massachusetts Department of Public Health	10.557	WIC voucher	3,343,715	-
University of Massachusetts Medical Center	10.561	Outreach Partner Amendment 1-4-2016	13,819	-
University of Massachusetts Medical School	10.561	Outreach Partner Amendment 6-1-2020	759	-
		Subtotal	<u>5,475,132</u>	<u>-</u>
Department of Defense				
Battelle	93.UO10	US001-000804579	68,442	-
		Subtotal	<u>68,442</u>	<u>-</u>
Department of Education				
U.S. Department of Education	84.425E	P425E202204	837,609	-
U.S. Department of Education	84.425F	P425F202849	346,937	-
		Subtotal	<u>1,184,546</u>	<u>-</u>
Department of Health and Human Services				
CARES Provider Relief Funds	93.498	Number Not Available	384,649,464	-
Great Plains Area IHS	93.UO16	HHSI241201600023I	599,862	-
HRSA COVID Testing for Uninsured	93.461	Number Not Available	4,468,172	-
		Subtotal	<u>389,717,498</u>	<u>-</u>
Department of Health and Human ServicesAdministration for Children and Families				
Massachusetts Department of Public Health	93.235	INTF3211MM3W19020007	56,082	18,636
		Subtotal	<u>56,082</u>	<u>18,636</u>
Department of Health and Human ServicesCenters for Disease Control and Prevention				
Massachusetts Department of Public Health	93.073	5U01DD001224-03-00	(2,903)	-
Massachusetts Department of Public Health	93.940	INTF4944MM3181926038	862,781	-
Massachusetts Department of Public Health	93.943	INTF5180HH2W40199011	13,374	-

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

Mass General Brigham Incorporated and Affiliates
Schedule of Expenditures of Federal Awards
Year Ended September 30, 2021

Cluster Title/Federal Program/Pass-Through Program	Assistance Listing Number	Direct Award or Pass-Through Entity Identifying Number	Total Expenditures	Subrecipient Expenditures
Other Programs Continued				
University of Alabama, Birmingham	93.184	5NU27DD001157-05-00	67,141	-
			Subtotal	940,393
Department of Health and Human ServicesHealth Resources and Services Administration				
Boston Public Health Commission	93.914	H89HA00011	214,029	-
Boston Public Health Commission	93.914	H9AHA36910	4,745	-
Dimock Community Health Center	93.153	2H12HA24846-06-00	81,012	-
Health Resources and Services Administration	93.211	6P13RH33168--01--02	192,719	-
Health Resources and Services Administration	93.266	5UH6HA30738-05-06	2,234,547	2,098,211
Health Resources and Services Administration	93.501	4C12CS32615-01-06	23,944	-
Icahn School of Medicine at Mount Sinai	93.110	5H30MC24048-10	32,302	-
Massachusetts Department of Public Health	93.110	INTF3121M04W16082022	43,593	-
Massachusetts Department of Public Health	93.870	INTF3617M03171019090	372	-
Massachusetts Department of Public Health	93.870	INTF3617M03171019100	2,731	-
Massachusetts Department of Public Health	93.870	INTF3617M03210621190	231,519	-
Massachusetts Department of Public Health	93.870	INTF3617M03210621192	235,169	-
Massachusetts Department of Public Health	93.870	INTF3617MM3220226202	54,202	-
Massachusetts Department of Public Health	93.870	INTF3617MM3220226207	73,323	-
Massachusetts Department of Public Health	93.917	INTF4944MM3181926016	412,788	-
Massachusetts Health and Hospital Association	93.301	H3HRH00011	11,500	-
			Subtotal	3,848,495
Department of Health and Human ServicesNational Institutes of Health				
Salem Board of Health	93.279	5UM1DA049412-02	183,982	-
			Subtotal	183,982
Department of Health and Human ServicesOffice of the Secretary				
Boston Public Health Commission	93.889	Number Not Available	274,770	-
Franklin Regional County of Governments	93.889	Number Not Available	19,411	-
Massachusetts Department of Public Health	93.817	INTF6207PP1W16005812	355,103	56,500
Massachusetts Department of Public Health	93.817	INTF6207PP1W16052809	86,526	-
Massachusetts Department of Public Health	93.817	INTF6208PP1W20166284	413,273	56,500
Massachusetts General Hospital	93.817	6HITEP180042-01-05	7,266	-
Massachusetts Hospital Association	93.889	U3REP200664	120,000	-
Massachusetts League of Community Health	93.889	FY2018	31	-
Massachusetts League of Community Health	93.899	FY2018	2,196	-
Metropolitan Area Planning Council	93.889	INTF6208PP1193926242	51,162	-
			Subtotal	1,329,738
Department of Health and Human ServicesSubstance Abuse and Mental Health Services Administration				
City of Chelsea	93.959	4512-9069	12,490	-
Massachusetts Department of Mental Health	93.243	SCDMH651001663334BRIG	279,083	236,760
Massachusetts Department of Public Health	93.959	INTF2351M03183626051	205,332	-

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

**Mass General Brigham Incorporated and Affiliates
Schedule of Expenditures of Federal Awards
Year Ended September 30, 2021**

<u>Cluster Title/Federal Program/Pass-Through Program</u>	<u>Assistance Listing Number</u>	<u>Direct Award or Pass-Through Entity Identifying Number</u>	<u>Total Expenditures</u>	<u>Subrecipient Expenditures</u>
Other Programs Continued				
Massachusetts Department of Public Health	93.959	INTF2351M03183626053	90,427	-
Massachusetts Department of Public Health	93.959	INTF2351M03183626061	267,724	-
New Hampshire Department of Health and Human Services	93.788	05-95-92-7040-500731	1,245,228	-
Substance Abuse and Mental Health Services Administration	93.276	5H79SP080131-03	(5,243)	-
		Subtotal	<u>2,095,041</u>	<u>236,760</u>
Department of Housing and Urban DevelopmentOffice of Community Planning and Development				
Community Action of Pioneer Valley	14.267	MA0401L1T071908	106,189	-
Community Action of Pioneer Valley	14.267	MA0401L1T072009	20,122	-
HOWPA	14.241	20200024	18,291	-
HOWPA	14.241	20210144	237,091	-
Hud-McKinney	14.267	INTF4944MM3181926016	28,199	-
Hud-McKinney Vento	14.267	MA0401L1T071807	(324)	-
		Subtotal	<u>409,568</u>	<u>-</u>
Department of JusticeOffice for Victims of Crime				
Commonwealth of Massachusetts	16.575	VOCA2019BRIGPASS0000	(2,776)	-
Commonwealth of Massachusetts	16.575	VOCA2019BRIGVRP00000	(15,538)	-
Commonwealth of Massachusetts	16.575	VOCA2019MGHI00000000	(9,469)	-
Commonwealth of Massachusetts	16.575	VOCA2020BRIGEMRGNCY0	59,864	-
Commonwealth of Massachusetts	16.575	VOCA2021BRIGPASS0000	192,118	-
Commonwealth of Massachusetts	16.575	VOCA2021BRIGVRP00000	233,672	-
Commonwealth of Massachusetts	16.575	VOCA2021MGHI00000000	197,552	-
U.S Department of Justice Office of Justice Programs	16.582	2018-V3-GX-K036	210,110	76,780
		Subtotal	<u>865,533</u>	<u>76,780</u>
Department of the Treasury				
Governor's Office for Emergency Relief and Recovery	21.019	Number Not Available	229,000	-
		Subtotal	<u>229,000</u>	<u>-</u>
Department of TransportationNational Highway Traffic Safety Administration (NHTSA)				
KEA Technologies, Inc.	20.614	DTNH22-13-H-00433	38,813	-
		Subtotal	<u>38,813</u>	<u>-</u>
Department of Veterans Affairs				
Department of Veterans Affairs	93.UO12	VA241-17-D-0108	(2,450)	-
		Subtotal	<u>(2,450)</u>	<u>-</u>
Health Resources & Services Administration				
Boston Public Health Commission	93.194	H89HA00011	200,049	-
Boston Public Health Commission	93.194	H9AHA36910	21,767	-
		Subtotal	<u>221,816</u>	<u>-</u>
		Total Other Programs	\$ 409,147,684	\$ 3,814,682
		Total Federal Expenditures	<u>\$ 1,680,379,251</u>	<u>\$ 192,665,449</u>

The accompanying notes are an integral part of the schedule of expenditures of federal awards.

Mass General Brigham Incorporated and Affiliates

Notes to Schedule of Expenditures of Federal Awards

Year Ended September 30, 2021

1. Organization

Mass General Brigham Incorporated (the Company) is the parent organization and sole corporate member of numerous organizations whose financial condition and operations are described in these consolidated financial statements. The terms Mass General Brigham, We, Our or Us as used herein, unless otherwise stated or indicated by context, refer collectively to the Company and its affiliated organizations.

Mass General Brigham operates academic medical centers, community acute care hospitals, inpatient and outpatient mental health services facilities, urgent care centers, facilities that provide rehabilitation medicine and long-term care services, physician organizations, home health services, nursing homes and a graduate level program for health professions. Our mission is to provide world class health care services to the local communities in which we operate as well as to patients across the United States and the world. In addition, we are a nonuniversity-based non-profit private medical research enterprise and a principal teaching affiliate of the medical and dental schools of Harvard University. Our licensed, not-for-profit managed care organization and licensed, for-profit insurance company (collectively referred to as AllWays Health) provide health insurance products and administrative services to the Massachusetts Medicaid program (MassHealth), ConnectorCare (a state subsidized program for adults who meet income and immigration guidelines) and commercial populations.

2. Summary of Significant Accounting Policies

Basis of Presentation

The accompanying Schedule of Expenditures of Federal Awards (the Schedule) includes the grant activity of Mass General Brigham and is recorded on the accrual basis of accounting.

The information in the Schedule is presented in accordance with 2 CFR 200 Uniform Guidance requirements. Therefore, some amounts presented in the Schedule may differ from amounts presented in or used in the preparation of the basic consolidated financial statements. Negative amounts represent adjustments to amounts reported as expenditures in prior years. Assistance Listing Number (ALN), pass-through award numbers and expenditures are provided where available. The Schedule combines expenditures of The Brigham and Women's Hospital, Inc., The General Hospital Corporation d/b/a The Massachusetts General Hospital (MGH), Massachusetts Eye and Ear Infirmary, including The Schepens Eye Research Institute, Inc., The McLean Hospital Corporation, The MGH Institute of Health Professions, Inc., The Spaulding Rehabilitation Hospital Corporation, including Spaulding Hospital Cambridge, Inc. and Spaulding Nursing and Therapy Center Brighton, Inc., Cooley Dickinson Hospital, Inc., North Shore Medical Center, Inc., Newton-Wellesley Hospital, Brigham and Women's Faulkner Hospital, Inc., Martha's Vineyard Hospital, Inc. including WNR, Inc., Nantucket Cottage Hospital, Mass General Brigham Community Physicians, Inc., Wentworth-Douglass Hospital, and Mass General Brigham. These entities are all affiliates of Mass General Brigham.

The Schedule includes grant activity related to the Department of Health and Human Services (HHS) Coronavirus Aid Relief and Economic Security (CARES) Act Assistance Listing Number 93.498. The grant activity associated with this Assistance Listing Number is for the time period ending June 30, 2020 as required by HHS, and includes lost revenues and direct expenditures.

Mass General Brigham Incorporated and Affiliates

Notes to Schedule of Expenditures of Federal Awards

Year Ended September 30, 2021

The Company conducted COVID-19 testing and/or provided treatment for uninsured individuals with a COVID-19 primary diagnosis and as such has requested claims reimbursement under Assistance Listing Number 93.461 Health Resources and Services Administration's ("HRSA") COVID Testing for Uninsured.

3. Federal Student Loan Programs

The amounts reported in the Student Financial Aid Cluster of the Schedule represent the beginning balances and newly issued loans in fiscal year 2021. As of September 30, 2021, the MGH Institute of Health Professions (IHP) had loans outstanding of \$234,938 for loans issued as part of the Nurse Faculty Loan Program and ARRA - Nurse Faculty Loan Program. The ARRA loans (ALN 93.408) were \$20,201 and the NonARRA loans (ALN 93.264) were \$214,737. IHP had Direct Loans issued by the Department of Education of \$39,741,912 as of September 30, 2021.

4. Facilities and Administrative and Fringe Benefit Costs

Federal expenditures for Research and Development and Research and Development Training for Brigham and Women's Hospital, Massachusetts General Hospital, McLean, Massachusetts Eye and Ear Infirmary, Schepens Eye Research Institute, Spaulding Rehabilitation Hospital and the MGH Institute of Health Professions include facilities and administrative cost recoveries and fringe benefit cost recoveries in the amounts reported in the Schedule based on rates negotiated and awarded with the DHHS Division of Cost Allocation. These rates are based on financial information submitted utilizing the methods prescribed in Principles for Determining Costs Applicable to Research and Development Under Grants and Contracts with Hospitals, contained in the Code of Federal Regulation, Title 45, Part 74, Appendix E (OASC-3). The predetermined facilities and administrative cost rates for IHP are based on financial information submitted utilizing the simplified method for small institutions prescribed in Indirect (F&A) Costs Identification and Assignment, and Rate Determination for Institutions of Higher Education (IHEs), contained in the Code of Federal Regulation, Title 2, Part 200, Appendix III. Expenditures reported in Training and Other include the maximum facilities and administrative recoveries approved by the sponsor. The 10% de-minimis rate is not utilized on Research and Development or Research and Development Training by Mass General Brigham because they have approved negotiated rate agreements. The 10% de-minimis rate is used for Other awards where allowed.

Part II
Reports on Compliance and Internal Control



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

To the Board of Directors of
Mass General Brigham

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 Mass General Brigham which comprise the consolidated balance sheet as of September 30, 2021, and the related consolidated statements of operations, changes in net assets and cash flows for the years then ended, and the related notes to the consolidated financial statements, and have issued our report thereon dated December 10, 2021.

Internal Control Over Financial Reporting

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

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

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

Compliance and Other Matters

As part of obtaining reasonable assurance about whether Mass General Brigham's financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts and grant agreements, noncompliance with which could have a direct and material effect on the determination of financial statement amounts. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express



such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

Purpose of this Report

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the 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.

PricewaterhouseCoopers LLP

Boston, Massachusetts
December 10, 2021



Report of Independent Auditors on Compliance with Requirements That Could Have a Direct and Material Effect on Each Major Program and on Internal Control Over Compliance in Accordance with the Uniform Guidance

To the Board of Directors of
Mass General Brigham

Report on Compliance for Each Major Federal Program

We have audited Mass General Brigham's compliance with the types of compliance requirements described in the OMB Compliance Supplement that could have a direct and material effect on each of Mass General Brigham's major federal programs for the year ended September 30, 2021. Mass General Brigham's major federal programs are identified in the summary of auditor's results section of the accompanying schedule of findings and questioned costs.

Management's Responsibility

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

Auditors' Responsibility

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

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

Opinion on Each Major Federal Program

In our opinion, Mass General Brigham complied, in all material respects, with the types of compliance requirements referred to above that could have a direct and material effect on each of its major federal programs for the year ended September 30, 2021.



Other Matter

As indicated in Part I to the accompanying Schedule of Findings and Questioned Costs, we have audited the Student Financial Assistance cluster as a major program. Also, as indicated in the first paragraph of this report, we performed our audit of compliance using the compliance requirements contained in the OMB Compliance Supplement, including those contained in Part V 5.3, Compliance Requirement N, Special Tests and provisions, Section 10 “Gramm-leach-Bliley Act – Student Information Security.” This section includes three suggested audit procedures with respect to verification that the institution (a) designated an individual to coordinate the information security program, (2) performed a risk assessment that addresses the three required areas in 16 CFR 314.4(b), and (3) documented a safeguard for each risk identified. Our procedures in relation to these three items were limited to inquired of and obtaining written representation from management and obtaining and reading management’s documentation related to these three items. Our procedures did not include an analysis of the adequacy or completeness of the risk assessment performed or the safeguards for each risk identified by management.

Report on Internal Control Over Compliance

Management of Mass General Brigham is responsible for establishing and maintaining effective internal control over compliance with the types of compliance requirements referred to above. In planning and performing our audit of compliance, we considered Mass General Brigham’s internal control over compliance with the types of requirements that could have a direct and material effect on each major federal program to determine the auditing procedures that are appropriate in the circumstances for the purpose of expressing an opinion on compliance for each major federal program and to test and report on internal control over compliance in accordance with the Uniform Guidance, but not for the purpose of expressing an opinion on the effectiveness of internal control over compliance. Accordingly, we do not express an opinion on the effectiveness of Mass General Brigham’s internal control over compliance.

A deficiency in internal control over compliance exists when the design or operation of a control over compliance does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, noncompliance with a type of compliance requirement of a federal program on a timely basis. A material weakness in internal control over compliance is a deficiency, or combination of deficiencies, in internal control over compliance, such that there is a reasonable possibility that material noncompliance with a type of compliance requirement of a federal program will not be prevented, or detected and corrected, on a timely basis. A significant deficiency in internal control over compliance is a deficiency, or 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 first paragraph of this section and was not designed to identify all deficiencies in internal control over compliance that might be material weaknesses or significant deficiencies. We did not identify any deficiencies in internal control over compliance that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified.



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

PricewaterhouseCoopers LLP

Boston, Massachusetts
December 22, 2021

Part III
Federal Award Findings and Questioned Cost

Mass General Brigham Incorporated and Affiliates
Schedule of Findings and Questioned Costs
For the Fiscal Year Ended September 30, 2021

1. Summary of Auditor's Results

Financial Statements

Type of auditor's report issued
 Internal control over financial reporting Unmodified

Material weakness(es) identified? _____ yes ___X___ no
 Significant deficiency(ies) identified that are not
 considered to be material weaknesses? _____ yes ___X___ none reported

Noncompliance material to financial statements noted? _____ yes ___X___ no

Federal Awards

Internal control over major programs

Material weakness(es) identified? _____ yes ___X___ no
 Significant deficiency(ies) identified that are not
 considered to be material weaknesses? _____ yes ___X___ none reported

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

Any audit findings disclosed that are required to be
 reported in accordance with 2 CFR 200, 516(a) _____ yes ___X___ no

Identification of Major Programs

Name of Federal Program or Cluster

Various Assistance Listing Numbers	Student Financial Assistance
93.461	COVID-19 Testing for the Uninsured
93.498	Provider Relief Funds
Dollar threshold used to distinguish between Type A and Type B programs	\$5,041,138
Auditee qualified as low-risk auditee?	___X___ yes _____ no

2. Financial Statement Findings

No findings to report.

3. Federal Findings and Questioned Costs

No findings to report.

Mass General Brigham Incorporated and Affiliates Management's View and Corrective Action Plan For the Fiscal Year Ended September 30, 2021

Summary of Status of Prior Year Finding

Current Status of the Prior Year Finding

2019-001 Research and Development Cluster Equipment

Prior Year Finding: In 2019, as part of the PwC Research and Development cluster equipment testing of safeguarding and retention of property records, 6 out of 56 (10%) equipment selections were identified as disposed but were not identified as such in the property records and documentation was not retained supporting these dispositions. We recommended that Mass General Brigham considers performing a complete inventory count periodically including follow up and education sessions with Principal Investigators and other research staff responsible for the safeguarding and disposal of any equipment that was marked as in use to ensure the asset has not been disposed of based upon Mass General Brigham's policies. Additionally, we recommend the Company perform a review of fully depreciated assets on a periodic basis to ensure property records and documentation properly reflect equipment which has been disposed or transferred.

Management agrees with the finding recommendations. Due to the COVID-19 Pandemic, the start date of the full equipment inventory for the Research and Development cluster was postponed to FY21. Mass General Brigham performed a full inventory of in service assets for those institutions which previously performed periodic statistical sampling and updated items previously retired to ensure inventory records appropriately reflect in service and disposed assets. Inventories were updated with all current assets electronically certified by September 30, 2021. To address education, Mass General Brigham developed a standard operating procedure (SOP) outlining roles and responsibilities throughout the equipment life cycle that requires annual asset certification.