# Partners HealthCare System, Inc. and Affiliates

Report on Federal Awards in Accordance with OMB Circular A-133 September 30, 2015 EIN 04-3230035

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Part I Financial Statements



# **Independent Auditor's Report**

To the Board of Directors of Partners HealthCare System, Inc. and Affiliates

#### Report on the Consolidated Financial Statements

We have audited the accompanying consolidated financial statements of Partners HealthCare System, Inc. and Affiliates (Partners HealthCare), which comprise the consolidated balance sheets as of September 30, 2015 and 2014, 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 consolidated financial statements.

## 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.

#### Auditor's 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 consolidated 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 entity'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 entity'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 have obtained is sufficient and appropriate to provide a basis for our audit opinion.

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# Opinion

In our opinion, the consolidated financial statements referred to above present fairly, in all material respects, the consolidated financial position of Partners HealthCare as of September 30, 2015 and 2014, and the results of their operations, their changes in their net assets and their cash flows for the years then ended in accordance with accounting principles generally accepted in the United States of America.

## **Other Matters**

## Other Information

Our audit was conducted for the purpose of forming an opinion on the consolidated financial statements as a whole. The accompanying schedule of expenditures of federal awards is presented for purposes of additional analysis as required by Office of Management and Budget Circular A-133, *Audits of States, Local Governments, and Non-Profit Organizations* and is not a required part of the consolidated financial statements. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the consolidated financial statements. The information has been subjected to the auditing procedures applied in the audit of the consolidated financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the consolidated financial 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 as a whole.

# Other Reporting Required by Government Auditing Standards

In accordance with *Government Auditing Standards*, we have also issued our report dated December 11, 2015 on our consideration of Partners HealthCare's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts and grant agreements and other matters. The purpose of that report is to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing and not to provide an opinion on 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 Partners HealthCare's internal control over financial reporting and compliance.

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December 11, 2015

(in thousands of dollars)	2015	2014
Assets		
Current assets Cash and equivalents Investments Current portion of investments limited as to use Patient accounts receivable, net of allowance for bad debts	\$ 621,568 1,354,636 1,590,203	1,474,058
(2015 - \$112,630; 2014 - \$117,212) Research grants receivable Other current assets Receivable for settlements with third-party payers	878,033 121,775 447,188 60,374	115,786 381,517
Total current assets	5,073,777	5,463,958
Investments limited as to use, less current portion Long-term investments Pledges receivable, net and contributions receivable from trusts,	2,832,744 1,061,176	
less current portion Property and equipment, net Other assets	209,064 5,328,782 564,898	4,615,908
Total assets	\$ 15,070,441	\$ 14,731,092
Liabilities and Net Assets Current liabilities		
Current portion of long-term obligations Accounts payable and accrued expenses Accrued medical claims and related expenses Accrued compensation and benefits Current portion of accrual for settlements with third-party payers Unexpended funds on research grants	\$ 398,990 646,355 232,268 710,929 53,066 202,137	645,999 254,480 677,957 55,918
Total current liabilities	2,243,745	2,055,780
Accrual for settlements with third-party payers, less current portion Accrued professional liability Accrued employee benefits Interest rate swaps liability Accrued other Long-term obligations, less current portion	34,725 482,640 1,705,287 404,062 153,146 <u>3,994,034</u>	455,463 1,066,840 295,656 157,029
Total liabilities	9,017,639	7,787,605
Commitments and contingencies		
Net assets Unrestricted Temporarily restricted Permanently restricted	4,707,662 765,562 579,578	855,954 463,774
Total net assets	6,052,802	
Total liabilities and net assets	\$ 15,070,441	\$ 14,731,092

# Partners HealthCare System, Inc. and Affiliates Consolidated Statements of Operations Years Ended September 30, 2015 and 2014

(in thousands of dollars)	2015	2014
<b>Operating revenue</b> Net patient service revenue, net of provision for		
bad debts (2015 - \$129,051; 2014 - \$129,492)	\$ 7,317,918	\$ 7,042,558
Premium revenue	2,034,420	1,622,392
Direct academic and research revenue	1,316,283	1,225,782
Indirect academic and research revenue	354,942	352,911
Other revenue	642,082	 662,410
Total operating revenue	 11,665,645	 10,906,053
Operating expenses		
Employee compensation and benefit expenses	5,655,073	5,428,352
Supplies and other expenses	2,325,085	2,226,663
Medical claims and related expenses	1,652,538	1,463,972
Direct academic and research expenses	1,316,283	1,225,782
Depreciation and amortization expenses	493,505	463,039
Interest expense	 116,703	 119,849
Total operating expenses	 11,559,187	 10,927,657
Income (loss) from operations	 106,458	 (21,604)
Nonoperating gains (expenses)		
(Loss) income from investments	(37,258)	227,357
Change in fair value of interest rate swaps	(110,315)	(109,275)
Gifts and other, net of fundraising and other expenses	(39,468)	(67,242)
Academic and research gifts, net of expenses	(11,406)	 90,609
Total nonoperating gains (expenses), net	(198,447)	 141,449
(Deficit) excess of revenues over expenses	(91,989)	119,845
Other changes in net assets		
Change in net unrealized appreciation on marketable investments	(224,616)	(3,309)
Change in fair value of hedging interest rate swaps	-	45,624
Funds utilized for property and equipment	38,288	39,058
Change in funded status of defined benefit plans	(639,167)	(387,698)
Other	 1,387	 5,173
Decrease in unrestricted net assets	\$ (916,097)	\$ (181,307)

# Partners HealthCare System, Inc. and Affiliates Consolidated Statements of Changes in Net Assets Years Ended September 30, 2015 and 2014

(in thousands of dollars)	U	nrestricted	emporarily estricted	rmanently estricted	Total
Net assets at October 1, 2013	\$	5,805,066	\$ 792,769	\$ 412,209	\$ 7,010,044
Increases (decreases)					
Loss from operations		(21,604)	-	-	(21,604)
Income from investments		227,357	36,897	30	264,284
Gifts and other		(67,242)	51,250	49,877	33,885
Academic and research gifts, net of expenses		90,609	-	-	90,609
Change in net unrealized appreciation on					
marketable investments		(3,309)	(11,209)	1,706	(12,812)
Change in fair value of interest rate swaps					
Nonhedging		(109,275)	-	-	(109,275)
Hedging		45,624	-	-	45,624
Funds utilized for property and equipment		39,058	(12,814)	-	26,244
Change in funded status of defined benefit plans		(387,698)	-	-	(387,698)
Other		5,173	 (939)	(48)	 4,186
Change in net assets		(181,307)	 63,185	51,565	 (66,557)
Net assets at September 30, 2014		5,623,759	 855,954	463,774	 6,943,487
Increases (decreases)					
Income from operations		106,458	-	-	106,458
(Loss) income from investments		(37,258)	(46,460)	55	(83,663)
Gifts and other		(39,468)	8,029	116,449	85,010
Academic and research gifts, net of expenses		(11,406)	-	-	(11,406)
Change in net unrealized appreciation on					
marketable investments		(224,616)	(36,351)	(2,313)	(263,280)
Change in fair value of interest rate swaps		(110,315)	-	-	(110,315)
Funds utilized for property and equipment		38,288	(17,151)	-	21,137
Change in funded status of defined benefit plans		(639,167)	-	-	(639,167)
Other		1,387	 1,541	 1,613	 4,541
Change in net assets		(916,097)	(90,392)	 115,804	 (890,685)
Net assets at September 30, 2015	\$	4,707,662	\$ 765,562	\$ 579,578	\$ 6,052,802

# Partners HealthCare System, Inc. and Affiliates Consolidated Statements of Cash Flows Years Ended September 30, 2015 and 2014

(in thousands of dollars)	2015	2014
Cash flows from operating activities		
Change in net assets	\$ (890,685)	\$ (66,557)
Adjustments to reconcile change in net assets to net cash		
provided by operating activities		
Change in funded status of defined benefit plans	639,167	387,698
Loss on refunding of debt	9,649	1,002
Change in fair value of interest rate swaps	110,315	63,651
Depreciation and amortization	493,505	463,039
Provision for bad debts	129,051	129,492
Loss (gain) on disposal of property	196	(13,275)
Net realized and change in unrealized appreciation on investments	307,782	(342,608)
Restricted contributions and investment income	(172,749)	(102,660)
Cash premium upon issuance of bonds	39,969	14,337
Increases (decreases) in cash resulting from a change in	(407 400)	(400.000)
Patient accounts receivable	(127,108)	(192,322)
Research grants receivable Other current assets	(5,989) (71,428)	(6,078) (51,716)
Pledges receivable and contributions receivable from trusts	(71,428) (3,987)	(35,930)
Other assets	(34,545)	(6,433)
Accounts payable and accrued expenses	(10,101)	(44,947)
Accrued medical claims and related expenses	(22,212)	132,647
Accrued compensation and benefits	25,006	53,005
Settlements with third-party payers	(48,318)	20,750
Unexpended funds on research grants	18,915	22,554
Accrued employee benefits and other	23,922	42,902
Net cash provided by operating activities	410,355	468,551
Cash flows from investing activities		
Purchases of property and equipment	(1,198,031)	(835,019)
Proceeds from sale of property	182	13,713
Purchase of investments	(2,772,478)	(3,145,588)
Proceeds from sales of investments	3,173,950	2,921,288
Purchases of businesses, net of cash acquired	(23,343)	
Net cash used for investing activities	(819,720)	(1,045,606)
Cash flows from financing activities		
Borrowings under line of credit	-	45,000
Repayments under line of credit	-	(45,000)
Payments on long-term obligations	(71,353)	(60,031)
Proceeds from long-term obligations, net of financing costs	612,359	783,348
Decrease in auction rate securities holdings	-	23,830
Deposits into refunding trusts	(140,066)	(286,830)
Restricted contributions and investment income	172,749	102,660
Net cash provided by financing activities	573,689	562,977
Net increase (decrease) in cash and equivalents	164,324	(14,078)
Cash and equivalents		
Beginning of year	457,244	471,322
End of year	\$ 621,568	\$ 457,244

# 1. Organization and Community Benefit Commitments

Partners HealthCare System, Inc. (PHS) is the sole member of The Massachusetts General Hospital (MGH), Brigham and Women's Health Care, Inc. (BWHC), NSMC HealthCare, Inc. (NSMC), Newton-Wellesley Health Care System, Inc. (NWHCS), Partners Continuing Care, Inc. (PCC), Partners HealthCare International, LLC (PHI) and Neighborhood Health Plan, Incorporated (NHP). The two physicians who serve as the President and Chief Executive Officer of PHS (PHS CEO) and the Chief Clinical Officer of PHS are the members of Partners Community Physicians Organization, Inc. (PCPO) formerly known as Partners Community HealthCare, Inc. The individual serving as the PHS CEO is the sole member of Partners Medical International, Inc. (PMI). PHS, together with all of its affiliates, is referred to as "Partners HealthCare."

Partners HealthCare currently operates two tertiary and seven community acute care hospitals in Massachusetts, one facility providing inpatient and outpatient mental health services and three facilities providing inpatient and outpatient services in rehabilitation medicine and long-term care. Partners HealthCare also operates physician organizations and practices, a home health agency, nursing homes and a graduate level program for health professions. Partners HealthCare provides services to patients primarily from the Greater Boston area as well as New England and beyond. In addition, Partners HealthCare is a nonuniversity-based nonprofit private medical research enterprise and is a principal teaching affiliate of the medical and dental schools of Harvard University. Partners HealthCare also operates a licensed, not-for-profit managed care organization that provides health insurance products to the Medical Assistance Program (Medicaid), Commonwealth Care (a series of health insurance plans for adults who meet income and other eligibility requirements) and commercial populations.

PHS and substantially all of its affiliates are tax-exempt organizations under Section 501(c)(3) of the Internal Revenue Code (IRC). NHP is a tax-exempt organization under Section 501(c)(4) of the IRC. Accordingly, no provision for income taxes related to these tax-exempt entities has been made. PCPO applied to become a tax-exempt organization under Section 501(c)(3) of the IRC on October 1, 2015. As a result of this anticipated conversion, PCPO recognized income tax expense of \$1,200 within supplies and other expenses.

#### **Community Benefit**

Partners HealthCare's community benefit programs include working with communities to address a number of public health issues including racial disparities, alcohol and substance abuse among young people, infant mortality, domestic violence and cancer. Partners HealthCare provides economic opportunity for low income Boston residents by helping people advance into nursing and other healthcare careers through its public school partnerships and workforce development programs. In addition, twenty community health centers are licensed by or affiliated with Partners HealthCare entities and provide high quality, culturally competent primary care and access to Partners HealthCare's hospitals. Partners HealthCare invests in these health centers' infrastructure, programming and operation and also helps with relocation, renovation and other capital requirements.

The Massachusetts Attorney General's Community Benefits Guidelines direct nonprofit acute care hospitals and health maintenance organizations to prepare annual reports documenting the status and level of their community benefit programs and initiatives. These annual reports serve the important purpose of providing the public with access to useful information about these programs and initiatives. Partners HealthCare files its report annually with the Massachusetts Attorney General. The report summarizes community benefit activities on a system-wide basis. In addition, each of the acute care hospitals within Partners HealthCare has a community benefit planning and service delivery structure and files separate community benefit reports. NHP also files a community benefit report annually.

## **Uncompensated Care**

Partners HealthCare provides care to all patients regardless of their ability to pay. The cost of providing that care is reflected in the statements of operations. The cost related to those patients for which Partners HealthCare receives either partial or no reimbursement for healthcare services provided is summarized as follows:

## **State Programs**

Charity care services are partially reimbursed to acute care hospitals through the statewide Health Safety Net Trust Fund (HSN) established by the Massachusetts Health Care Reform Law (Chapter 58 of the Acts of 2006 or Chapter 58). A portion of the funding for the HSN is paid by hospitals through a statewide acute care hospital assessment that has been set by the Massachusetts Legislature, beginning in 2014, at \$160,000 plus 50% of the estimated cost of administering the HSN and related assessments, as determined by the Secretary of Administration and Finance. All acute care hospitals in the state are assessed their share of this total statewide hospital assessment amount (\$165,000 in 2015 and \$164,708 in 2014) based on each hospital's charges for private sector payers. Partners HealthCare's acute care hospitals report this assessment as a deduction from net patient service revenue.

Acute care hospitals are reimbursed for charity care based on claims for eligible patients and eligible services that are submitted to and adjudicated by the HSN. Rates of payment are based on Medicare rates and payment policies. The HSN was under-funded by approximately \$41,327 and \$86,836 in 2015 and 2014, respectively. This shortfall is allocated to hospitals based on their share of total statewide patient care costs with approximately \$10,881 and \$25,571 in 2015 and 2014, respectively, allocated to Partners HealthCare's acute care hospitals. 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, Partners HealthCare's acute care hospitals received uncompensated care funding covering 68% of the estimated cost of charity care provided in 2015 and 47% of the estimated cost of charity care provided in 2014, excluding the assessment.

# Medicaid

Medicaid is a means-tested health insurance program jointly funded by state and federal governments. States administer the program and set rules for eligibility, benefits and provider payments within broad federal guidelines. The program provides health care coverage to low-income children and families, pregnant women, long-term unemployed adults, seniors and persons with disabilities. 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 Partners HealthCare providers do not cover the full cost of services provided. In aggregate, reimbursement from Medicaid covered 62% and 61% of the estimated cost of services provided in 2015 and 2014, respectively. In addition, Medicaid premium revenue paid to NHP for the care of Medicaid patients enrolled in NHP did not cover the medical expense and administrative costs of care for these enrollees. In aggregate, the premium revenue paid to NHP by Medicaid, excluding the impact of premium deficiency reserves, was \$72,549, or 4.6%, less than the cost of care in 2015, and \$108,655, or 8.6%, less than the cost of care in 2014.

# **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. For many years, Medicare payments have not kept pace with increases in the cost of care provided at many hospitals. Additionally, payments to physicians have seen little or no increases over the past several years. Compounding this shortfall in payments is the shift of care from higher paying inpatient services to lower paying outpatient services.

Consequently, Medicare payments to Partners HealthCare providers do not cover the full cost of services provided. In aggregate, reimbursement from Medicare covered approximately 73% and 74% of the estimated cost of services provided in 2015 and 2014, respectively.

For charity care, Medicaid and Medicare, the total estimated cost of services provided by Partners HealthCare exceeded the net reimbursement received under these programs by \$1,229,790 and \$1,148,200 for the years ended September 30, 2015 and 2014, respectively. 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,			
		2015		2014
Cost of services provided Charity care, including assessment payments to HSN of				
\$56,716 and \$60,372 in 2015 and 2014, respectively	\$	136,276	\$	140,641
Medicaid		1,008,882		886,706
Medicare		2,824,890		2,634,533
	\$	3,970,048	\$	3,661,880
Net reimbursement				
Charity care	\$	40,906	\$	29,808
Medicaid		625,761		542,078
Medicare		2,073,591		1,941,794
	\$	2,740,258	\$	2,513,680
Cost of services in excess of reimbursement				
Charity care	\$	95,370	\$	110,833
Medicaid		383,121		344,628
Medicare		751,299		692,739
	\$	1,229,790	\$	1,148,200

# **Bad Debts**

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 provision for bad debts represents charges for services provided that are deemed to be uncollectible and was \$129,051 and \$129,492 in 2015 and 2014, respectively. The estimated cost of providing these services was approximately \$48,347 and \$48,699 for 2015 and 2014, 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 PHS 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 accruals for settlements with third-party payers, accrued medical claims and related expenses, accrued professional liability, accrued compensation and employee benefits, interest rate swaps and accrued other.

# 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, certain investments and investments limited as to use, patient accounts receivable, research grants receivable, accounts payable and accrued expenses and interest rate swaps. More information can be found in Note 6, Fair Value Measurements.

## **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. Partners HealthCare's banking cash and equivalents are maintained with several national banks and from time to time cash deposits exceed federal insurance limits. It is Partners HealthCare's policy 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 and all investments in debt securities (marketable investments) are measured at fair value based on quoted market prices. The change in net unrealized appreciation on these marketable investments is excluded from excess of revenues over expenses.

Alternative investments, including hedge funds and private equities, do not have readily ascertainable market values. Investments in securities sold short or traded on a national securities exchange are valued based on quoted market prices. Investments in securities that are not traded and restricted securities of public companies are valued based on amounts reported by the fund manager and evaluated by management. The reported value of these investments represents the amount Partners HealthCare would expect to receive if it liquidated its investments at the balance sheet date on a nondistressed basis. Investments in hedge funds, private equity, private debt and other private partnerships (collectively, private partnerships) for which Partners HealthCare owns more than 5% of the overall investment are generally recorded as equity method investments. The change in value of equity method investments. All other investments, including alternative investments, are recorded at cost.

Income from investments (including realized gains and losses, change in value of equity method 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.

Investments whose cost exceeds fair value are reviewed each quarter to determine whether these investments are other-than-temporarily impaired. Externally managed marketable investments with fair value below cost are considered to be other-than-temporarily impaired and, accordingly, the unrealized depreciation is recognized as realized losses through a write-down in the cost basis of these investments. All other investments are subject to a further review, which considers factors including the anticipated holding period for the investment and the extent and duration of below cost valuation. A similar write-down is recorded when the impairment on these investments has been judged to be other-than-temporary.

Depending on any donor-imposed restrictions on the underlying investments, the amount of the write-down is reported as a realized loss in either temporarily restricted net assets or in excess of revenues over expenses as a component of income from investments, with no adjustment in the cost basis for subsequent recoveries.

Partners HealthCare has an endowment spending policy for pooled endowment funds. A fixed distribution rate for spending is determined each year which will come from either income and/or net accumulated appreciation.

## Investments Limited as to Use

Investments limited as to use primarily includes 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. As of September 30, 2014, Partners HealthCare elected to stop applying hedge accounting treatment for interest rate swap contracts (swap contracts). As a result of the election to stop applying hedge accounting treatment, changes in the fair value are recorded in excess of revenue over expenses. Previously, Partners HealthCare designated at inception whether the swap contracts were considered hedging or nonhedging for accounting purposes. For hedges, Partners HealthCare formally documented at inception all relationships between hedging instruments and hedged items, as well as its risk management objectives and strategies for undertaking various accounting hedges. Partners HealthCare uses its swap contracts as cash flow hedges. Changes in the fair value of swap contracts designated for hedging activities that were highly effective as hedges were excluded from excess of revenues over expenses. Hedge ineffectiveness, if any, was recorded in excess of revenues over expenses.

# **Patient Accounts Receivable**

Partners HealthCare receives payments for services rendered from federal and state agencies (under the Medicare and Medicaid programs), managed care payers, commercial insurance companies and patients. Patient accounts receivable are reported net of contractual allowances and reserves for denials, uncompensated care and doubtful accounts. The level of reserves is based upon management's assessment of historical and expected net collections, business and economic conditions, trends in federal and state governmental and private employer health care coverage and other collection indicators.

#### **Research Grants Receivable**

Partners HealthCare receives research funding from departments and agencies of the U.S. Government, industry and other foundation 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 reported net of reserves for uncollectible accounts.

# **Other Current Assets**

Other current assets include prepaids, nonpatient receivables, current portion of pledges receivable, premiums receivable and reinsurance recoveries.

# **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. Partners HealthCare records changes in the liability resulting from the passage of time and revisions to either the timing or the amount of the original liability estimate. Partners HealthCare reduces these liabilities when the related obligations are settled.

#### **Other Assets**

Other assets consist of long-term receivables, deferred financing costs, intangible assets, prepaid ground rent, malpractice insurance receivables (Note 14), investments in healthcare related limited partnerships and benefit assets for over-funded defined benefit plans. Deferred financing costs are amortized over the terms of the related obligations. 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 \$259,470 and \$254,803 were recorded as of September 30, 2015 and 2014, 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

Partners HealthCare is 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**

Permanently restricted net assets include the historical dollar amounts of gifts and the income and gains on such gifts which are required by donors to be permanently retained. Temporarily restricted net assets include gifts and the income and gains on permanently restricted net assets 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 gift (capital projects, pledges to be paid in the future, life income funds) or by interpretations of law (gains available for appropriation but not appropriated in the current period). Unrestricted net assets include all of the remaining net assets of Partners HealthCare. More information can be found in Note 16, Net Assets.

Realized gains and losses are classified as unrestricted net assets unless they are restricted by the donor or law. Unless permanently restricted by the donor, realized gains and net unrealized appreciation on permanently restricted gifts are classified as temporarily restricted until appropriated for spending by Partners HealthCare in accordance with policies established by Partners HealthCare and the Massachusetts Uniform Prudent Management of Institutional Funds Act (UPMIFA). Net losses on permanently restricted endowment funds are classified as a reduction to unrestricted net assets until such time as the fair value of these funds exceeds historical cost.

#### Gifts

Unconditional promises to give cash and other assets to Partners HealthCare are reported at fair value at the date the promise is received. Conditional promises to give are recognized when the conditions are substantially met. Gifts are reported as either temporarily or permanently 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 gifts in the accompanying financial statements.

Gifts of long-lived assets with explicit restrictions that specify use of assets and gifts of cash or other assets that must be used to acquire long-lived assets are reported as additions to temporarily 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. Partners HealthCare recognizes revenue associated with direct and indirect costs 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.

#### **Contributed Securities**

Partners HealthCare's policy is to sell securities contributed by donors upon receipt, unless prevented from doing so by donor request. For the years ended September 30, 2015 and 2014, contributed securities of \$36,742 and \$45,058, respectively, were received and liquidated. Donors restricted the proceeds received from the sale of these contributed securities of \$14,163 and \$8,737 for long-term purpose for the years ended September 30, 2015 and 2014, respectively.

#### **Statement of Operations**

All activities of Partners HealthCare 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 revenue and expenses. Other activities are deemed to be nonoperating and include unrestricted gifts (net of fundraising expenses), external community benefit program support, net change in unexpended academic and research gifts, change in fair value of interest rate swaps, substantially all income (loss) from investments and interest on advanced borrowings. Academic and research gifts 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 gifts 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.

Partners HealthCare recognizes changes in third-party payer settlements and other estimates in the year of the change in estimate. For the years ended September 30, 2015 and 2014, adjustments to prior year estimates resulted in an increase to income from operations of \$22,381 and \$14,642, respectively.

Effective October 1, 2007, the Centers for Medicare and Medicaid Services (CMS) adopted the MS-DRG patient classification system (MS-DRGs) for inpatient services to better recognize severity of illness in Medicare payment rates for acute care hospitals. The adoption of MS-DRGs resulted in the expansion of the number of diagnosis related groups (DRGs), a system of classifying patients for purposes of inpatient reimbursement. By increasing the number of DRGs and more fully taking into account patients' severity of illness in Medicare payment rates for acute care hospitals, the use of MS-DRGs encourages hospitals to improve their documentation and coding of patient diagnoses. CMS has determined that the adoption of the MS-DRGs has increased aggregate payments to hospitals due to additional documentation and coding without a corresponding increase in actual patient severity of illness.

CMS is required by its enabling statute to maintain budget neutrality by prospectively adjusting the Medicare payment rate to eliminate the effect of changes in DRG classification that do not reflect real changes in case-mix. CMS requires Congressional authority, however, to recoup any overpayments made in prior years. In 2007, Congress granted CMS the authority to recoup overpayments made to hospitals in 2008 and 2009 resulting from increased coding and documentation, which CMS did through rate reductions in 2011 and 2012. Subsequently, under the American Taxpayer Relief Act of 2012, Congress granted CMS the authority to recoup overpayments made to hospitals in 2010 through 2012 through rate reductions in 2014 through 2017.

In 2013, Partners HealthCare recorded the estimated overpayment amounts received in 2010 through 2012 of \$79,020 as deferred revenue to be amortized into net patient service revenue in 2014 through 2017 to offset the rate reductions. Management believes this accounting treatment better reflects the financial impact of this rate methodology and more accurately presents the recognition of revenue. For the years ended September 30, 2015 and 2014, amortization of these overpayments amounted to \$15,192 and \$6,893, respectively. Partners HealthCare anticipates amortizing the remaining overpayments in 2016 of \$23,900 and in 2017 of \$33,035.

The statement of operations includes excess of revenues over expenses. Changes in unrestricted net assets, which are excluded from excess of revenues over expenses, include change in net unrealized appreciation on marketable investments, change in fair value of effective hedging interest rate swaps (prior to the change in accounting policy), contributions of long-lived assets (including assets acquired using contributions which by donor restriction were to be used for acquisition of such assets) and change in funded status of defined benefit plans.

# **Net Patient Service Revenue**

Partners HealthCare maintains agreements with CMS of the United States Department of Health and Human Services under the Medicare program, the Commonwealth of Massachusetts (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.

Partners HealthCare recognizes patient service revenue associated with services provided to patients who have third-party payer coverage on the basis of contractual rates for the services rendered. For uninsured patients that do not qualify for charity care, Partners HealthCare recognizes revenue on the basis of its standard rates (subject to discounts) for services provided. On the basis of historical experience, a significant portion of Partners HealthCare's uninsured patients are unable or fail to pay for the services provided. Consequently, Partners HealthCare records a provision for bad debts related to uninsured patients in the period the services are provided. For the years ended September 30, 2015 and 2014, patient service revenue net of contractual allowances and discounts (before the provision for bad debts) is as follows:

	2015	2014
Patient service revenue (net of contractual allowances and discounts)		
Third-party payers Uninsured patients	\$ 7,156,435 290,534	\$ 6,906,051 265,999
Total all payers	\$ 7,446,969	\$ 7,172,050

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 uncompensated care programs (Note 1) 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.

Partners HealthCare provides either full or partial uncompensated care to patients who cannot afford to pay for their medical services based on income and family size. Uncompensated care is generally available to qualifying patients for medically necessary services. Partners HealthCare reports certain bad debts related to emergency services as uncompensated care. Uncompensated care is reported at gross charges with an offsetting allowance, as there is no expectation of collection. Accordingly, there is no net patient service revenue related to uncompensated care.

## **Medical Claims and Related Expenses**

NHP contracts with various community health centers, hospital-based primary care 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 or per diem 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. The 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, NHP identifies and recoups overpayments through reductions in future payments made to providers and hospitals. Such overpayments are the result of, among other things, coordination of benefits and provider claim audits. For the years ended September 30, 2015 and 2014, NHP identified approximately \$53,396 and \$44,100, respectively, of recoveries related to claim overpayments made for both current-year and prior-year paid claims, which are reflected as a reduction to medical claims and related expenses in the consolidated statements of operations. As of September 30, 2015 and 2014, NHP's accounts receivable include \$1,723 and \$2,049, respectively, related to such overpayments.

#### **Premium Revenue**

Premiums are due monthly and 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.

#### 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

NHP contracts with the Executive Office of Health and Human Services (EOHHS) and certain providers based on historical and anticipated experience. These methods of reimbursement result in settlements based on actual versus anticipated experience which could result in either payments due from (to) these providers. Settlements receivable of \$78,969 and \$21,197 were recorded as of September 30, 2015 and 2014, respectively. Settlements payable of \$3,697 and \$14,654 were recorded as of September 30, 2015 and 2014, respectively. The settlements are intended to include both reported and unreported incurred claims as of September 30, 2015 and 2014.

In 2014, the Affordable Care Act introduced new settlements related to a risk adjustment program, risk corridor program and reinsurance program designed to mitigate the transitional impact on insurers for new members. NHP's estimated net receivable due from the federal government for these programs was \$23,687 and \$5,761 at September 30, 2015 and 2014, respectively. Similar to the federal program, EOHHS has a risk corridor program and NHP's estimated net receivable due from EOHHS is \$75,910 and \$17,842 at September 30, 2015 and 2014, respectively.

#### **Premium Deficiency Reserve**

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. As of September 30, 2015 and 2014, premium deficiency reserves total approximately \$32,636 and \$91,555, respectively, and are included in accrued medical claims and related expenses in the accompanying consolidated financial statements.

#### **Claims Adjustment Expenses**

Claims adjustment expenses (CAE) are those costs expected to be incurred in connection with the adjustment and recording of health claims. NHP has 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, 2015, is adequate to cover NHP's 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 (Note 9).

#### **Other Revenue**

Other revenue includes institutional revenue (for example, billing for services provided to other healthcare providers), parking, nonpatient pharmacy and tuition revenue.

#### **Recent Accounting Pronouncements**

Partners HealthCare adopted ASU 2015-07, Disclosures for Certain Entities That Calculate Net Asset Value per Share (or its Equivalent), which removes the requirement to categorize within the fair value hierarchy all investments for which fair value is measured using net asset value per share as the practical expedient. The adoption of ASU 2015-07 did not have a material effect on Partners HealthCare's financial statements.

#### 3. Acquisitions

Multiple physician practices were acquired during the year ended September 30, 2015 for a combined purchase price of \$46,917. In accordance with accounting standards, the purchase price was allocated first to tangible assets, then identifiable intangible assets and the remaining allocated to goodwill.

Assets, liabilities, and net assets assumed as of the acquisition dates are as follows:

Assets	
Cash and cash equivalents	\$ 5,257
Patient accounts receivable, net	3,762
Property plant and equipment	3,201
Other assets	 34,697
Total assets acquired	\$ 46,917
Liabilities	
Note payable	\$ 2,693
Accounts payable and accrued expenses	10,457
Accrued compensation and benefits	5,087
Accrued professional liability	 80
Total liabilities assumed	 18,317
Net assets	
Unrestricted	 28,600
Total net assets	 28,600
Total liabilities and net assets	\$ 46,917

A summary of the financial results of the acquired physician practices from the respective dates of acquisition is included in the consolidated statements of operations and changes in net assets is as follows:

Total operating revenue	\$ 88,325
Total operating expenses	 103,431
Loss from operations	(15,106)
Nonoperating gains (expenses), net	 2
Deficit of revenues over expenses	(15,104)
Other changes	 1,000
Decrease in unrestricted net assets	\$ (14,104)

A summary of the consolidated financial results of Partners HealthCare for the year ended September 30, 2015, as if the transactions had occurred on October 1, 2014 is as follows (unaudited):

Total operating revenue	\$ 11,696,236
Total operating expenses	 11,592,219
Income from operations	104,017
Nonoperating gains (expenses), net	 (198,447)
Deficit of revenues over expenses	(94,430)
Pension related changes	(639,167)
Other changes	 (186,096)
Decrease in unrestricted net assets	\$ (919,693)

## 4. Levels of Capital and Surplus

Risk-based capital (RBC) is a methodology adopted by the National Association of Insurance Commissioners (NAIC) for determining the minimum level of capital and surplus deemed necessary for an insurer based upon the types of assets held and business written. Pursuant to a guaranty entered into by PHS when it acquired NHP in 2012 (the RBC Guaranty), PHS has committed to maintain NHP's capital and surplus at a specified minimum level, measured quarterly in accordance with an RBC methodology permitted by the Massachusetts Division of Insurance (DOI). The RBC Guaranty may be enforced by the DOI. PHS provided capital to NHP of \$117,100 and \$86,000 in 2015 and 2014, respectively.

In accordance with accounting guidance, NHP recognized premium deficiency reserves of \$32,636 and \$91,555 at September 30, 2015 and 2014, respectively. The premium deficiency reserves are estimates of anticipated losses in fiscal 2016 and 2015, respectively, related to NHP's MassHealth and CommCare contracts. In order to comply with its obligations under the RBC Guaranty PHS transferred \$40,300 to NHP in November 2015.

NHP's current contract with EOHHS requires NHP 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, 2014 and 2013 (NHP's fiscal and statutory year end), the minimum net worth requirement, as determined in accordance with EOHHS guidelines, was \$114,300 and \$78,800, respectively. NHP's statutory net worth was \$128,700 and \$97,200 at December 31, 2014 and 2013, respectively, and thus exceeded the EOHHS requirements by \$14,400 and \$18,400, respectively.

#### 5. Investments and Investments Limited as to Use

Investments are either separately invested or included in pooled investment funds within the Partners HealthCare System Pooled Investment Accounts (Partnership). The Partnership is structured as a single general partnership composed of three investment pools, with PHS and substantially all of its affiliates participating in the pools as partners. Each partner's interest in the Partnership is based on its underlying investments in one or more of the three separate pools. Amounts included in the investment pools are accounted for using the fair value method whereby each partner is assigned a number of units based on the fair value of the assets of a pool at the time of entry of the funds into the pool. Current fair value is used to determine the number of units allocated to additional amounts placed in a pool and to value withdrawals from a pool. Income from investments of the pools, including realized gains and losses, is allocated on a unitized basis to a partner based on the partner's share of units in a pool.

Among other investments, the Partnership invests in private partnerships whose assets include equity, fixed income and other investments. As of September 30, 2015, the Partnership has unfunded commitments of approximately \$470,498 which will be drawn down by the various general partners over the next several years. The maximum annual drawdown is expected to be less than 2% 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,				
	2015			2014	
Current assets					
Investments	\$	1,354,636	\$	1,474,058	
Current portion of investments limited as to use		1,590,203		2,120,057	
		2,944,839		3,594,115	
Long-term assets					
Investments limited as to use, less current portion		2,832,744		2,927,360	
Long-term investments		1,061,176		1,026,538	
	\$	6,838,759	\$	7,548,013	

Investments limited as to use consist of the following:

	September 30, 2015				September 30, 2014			
		Current Portion		Long-Term Portion	Current Portion	I	ong-Term Portion	
Internally designated funds								
Reserved for capital expenditures	\$	863,703	\$	-	\$ 1,010,371	\$	-	
Unexpended academic and research gifts		-		2,311,685	-		2,449,470	
Deferred compensation		-		226,627	-		216,553	
Other		394,756		263,764	 863,371		224,310	
		1,258,459		2,802,076	 1,873,742		2,890,333	
Externally limited funds								
Unexpended funds on research		202,137		-	183,222		-	
Contributions held for others		1,269		-	3,991		-	
Professional liability trust fund		-		30,668	-		37,027	
Held by trustees under debt and other								
agreements		128,338		-	 59,102		-	
		331,744		30,668	 246,315		37,027	
	\$	1,590,203	\$	2,832,744	\$ 2,120,057	\$	2,927,360	

Investments and investments limited as to use are reported at either fair value or on the equity or cost methods of accounting. The composition of these investments, segregated between pooled investments and those that are separately invested, is as follows:

	September 30, 2015							
	At Fair Value		On Equity Method			On Cost Method		Total
Pooled investments								
Invested cash equivalents	\$	34,049	\$	-	\$	-	\$	34,049
Separately managed investments		1,834,357		-		-		1,834,357
Mutual funds		365,035		-		-		365,035
Commingled funds		1,157,965		-		-		1,157,965
Private partnerships		-		744,139		1,991,206		2,735,345
		3,391,406		744,139		1,991,206		6,126,751
Separately invested								
Invested cash equivalents		135,640		-		16		135,656
Equities		6,247		-		46,237		52,484
U.S. Government and domestic								
fixed income securities		32,330		-		-		32,330
Mutual funds		397,539		-		-		397,539
Other		17,416		-		76,583		93,999
		589,172		-		122,836		712,008
	\$	3,980,578	\$	744,139	\$	2,114,042	\$	6,838,759

Separately managed investments include cash and equivalents of \$212,882, equities of \$612,948 and fixed income securities of \$1,008,527 as of September 30, 2015.

	September 30, 2014							
		At Fair Value		On Equity Method		On Cost Method		Total
Pooled investments								
Invested cash equivalents	\$	43,396	\$	-	\$	-	\$	43,396
Separately managed investments		2,301,880		-		-		2,301,880
Mutual funds		549,948		-		-		549,948
Commingled funds		1,151,708		-		-		1,151,708
Private partnerships		-		804,445		2,013,552		2,817,997
		4,046,932		804,445		2,013,552		6,864,929
Separately invested								
Invested cash equivalents		127,785		-		741		128,526
Equities		14,062		-		23,937		37,999
U.S. Government and domestic								
fixed income securities		32,427		-		-		32,427
Mutual funds		360,417		-		-		360,417
Other		47,018		-		76,697		123,715
		581,709		-		101,375		683,084
	\$	4,628,641	\$	804,445	\$	2,114,927	\$	7,548,013

Separately managed investments include cash and equivalents of \$193,406, equities of \$930,884 and fixed income securities of \$1,177,590 as of September 30, 2014.

For the private partnerships reflected in the balance sheet at cost, the difference (unrecorded net unrealized appreciation) between the value reported by the investment managers and the cost for these investments was \$863,084 and \$883,174 as of September 30, 2015 and 2014, respectively.

The fair value and gross unrealized depreciation of investments and investments limited as to use, with a fair value less than cost, that are not deemed to be other-than-temporarily impaired as of September 30, 2015 are as follows:

		Less than 12 Months			Less than 12 Months 12 Month					ns or Greater			
		Gross Fair Unrealized Value Depreciation			Fair Value		Gross nrealized preciation						
Pooled investments Separately managed investments	\$	1,051	\$	(137)	\$	189	\$	(9)					
Mutual funds Commingled funds		734,450		(84,501)		169,374		(45,212)					
		735,501		(84,638)		169,563		(45,221)					
Separately invested Equities Fixed income securities		-		-		10		(4)					
Mutual funds External trusts		104,407 -		(7,866) -		27,628 93		(5,113) (12)					
		104,407		(7,866)		27,731		(5,129)					
	\$	839,908	\$	(92,504)	\$	197,294	\$	(50,350)					

In addition, for certain private partnerships recorded at cost, gross unrealized depreciation amounted to \$23,118 as of September 30, 2015, with \$20,478 of that amount unrealized for 12 months or greater.

Based on management's quantitative and qualitative assessment, investments whose cost exceeds fair value are not considered to be other-than-temporarily impaired as of September 30, 2015. Management believes these investments will recover their values and there is no intention to liquidate these positions.

Investment income and gains (losses) from cash and equivalents, investments, investments limited as to use and beneficial interests in perpetual trusts are comprised of the following:

	Years Ended September 30,				
		2015		2014	
Unrestricted					
Dividends, interest and other income	\$	59,941	\$	62,576	
Endowment income distributions, net of reinvested gains		39,059		35,564	
Net realized gains (losses) on investments		450 400			
Realized gains		158,402		313,244	
Other-than-temporary impairment Change in value of equity method investments		(139,474) (46,860)		(55,636) 33,832	
Recovery on endowment funds		(11,045)		91	
Total investment activity included in excess of		( ) /			
revenues over expenses		60,023		389,671	
Change in net unrealized appreciation on marketable					
investments		(224,616)		(3,309)	
Total unrestricted investment activity		(164,593)		386,362	
Temporarily restricted					
Dividends and interest income		5,286		14,857	
Endowment income distributions		(47,133)		(41,823)	
Net realized gains (losses) on investments Realized gains		31,890		62 505	
Other-than-temporary impairment		(24,558)		63,595 (10,468)	
		(34,515)		26,161	
Change in value of equity method investments Change in net unrealized appreciation on marketable investments		(11,945) (47,396)		10,736 (11,118)	
Recovery on endowment funds		11,045		(11,118) (91)	
,		(48,296)		(473)	
Total temporarily restricted investment activity		(82,811)		25,688	
Permanently restricted					
Dividends and interest income		(3)		4	
Net realized gains on investments		58		26	
Change in net unrealized appreciation on marketable investments		(2,313)		392	
Change in value of beneficial interests in perpetual trusts		(970)		1,314	
Total permanently restricted investment activity		(3,228)		1,736	
	\$	(250,632)	\$	413,786	

Investment income included in operating results and excess of revenues over expenses is comprised of the following:

	Years Ended September 30,					
		2015		2014		
Investment income included in operations and reported in other revenue Investment income included in nonoperating gains and reported in	\$	11,841	\$	13,692		
(Loss) income from investments Academic and research gifts, net of expenses		(37,258) 85,440		227,357 148,622		
Total investment activity included in excess of revenues over expenses	\$	60,023	\$	389,671		

#### 6. 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.

#### **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 (except for private partnerships, which are reported on either the equity method or cost method of accounting), separately invested cash equivalents 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.

The following tables summarize fair value measurements as of September 30, 2015 and 2014 for financial assets and liabilities measured at fair value on a recurring basis:

	Fair Va	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)	Fair Value at September 30, 2015					
Assets									
Pooled investments Invested cash equivalents Separately managed investments Mutual funds Commingled funds	\$ 33,027 1,331,564 365,034 - 1,729,625	\$ 1,021 502,793 - <u>1,157,967</u> 1,661,781	\$ - - - -	\$ 34,048 1,834,357 365,034 1,157,967 3,391,406					
Separately invested	.,,	.,							
Invested cash equivalents Equities U.S. Government and domestic	135,640 6,247	-	-	135,640 6,247					
fixed income securities Mutual funds Other	32,330 397,539 	-	- - 17,416_	32,330 397,539 17,416					
	571,756	-	17,416	589,172					
	\$ 2,301,381	\$ 1,661,781	\$ 17,416	\$ 3,980,578					
Liabilities Interest rate swaps		\$ 404,062		\$ 404,062					

	Fair Va	alue Measurement	s Using	
	Quoted Prices in Active Markets for Identical Items (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)	Fair Value at September 30, 2014
Assets				
Pooled investments Invested cash equivalents Separately managed investments Mutual funds Commingled funds	\$ 9,702 1,700,305 549,948 - 2,259,955	\$ 33,694 601,575 - 1,151,708 1,786,977	\$ - - - - -	\$ 43,396 2,301,880 549,948 1,151,708 4,046,932
Separately invested	, ,	,,-		,,
Invested cash equivalents Equities U.S. Government and domestic	127,785 9,708	- 4,354	-	127,785 14,062
fixed income securities Mutual funds Other	17,224 360,417	15,203 - 36,280	- - 10,738	32,427 360,417 47,018
	515,134	55,837	10,738	581,709
	\$ 2,775,089	\$ 1,842,814	\$ 10,738	\$ 4,628,641
Liabilities Interest rate swaps		\$ 295,656		\$ 295,656

As of and for the years ended September 30, 2015 and 2014, the fair value of the assets and change in the value of the assets measured using significant unobservable inputs (Level 3) were related to beneficial interests in perpetual assets.

# 7. Pledges Receivable and Contributions Receivable From Trusts

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 \$87,229 and \$94,331 as of September 30, 2015 and 2014, 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 1.0% and 0.8% for 2015 and 2014, respectively. Pledges are expected to be collected as follows:

	September 30,					
	2015			2014		
Amounts due						
Within one year	\$	108,865	\$	110,668		
In one to five years		138,411		161,764		
In more than five years		56,120		19,300		
Total pledges receivable		303,396		291,732		
Less: Unamortized discount	_	6,840		5,348		
		296,556		286,384		
Less: Allowance for uncollectibles		26,711		23,460		
Net pledges receivable		269,845		262,924		
Contributions receivable from trusts		26,448		29,382		
	\$	296,293	\$	292,306		

# 8. **Property and Equipment**

Property and equipment consists of the following:

	September 30,					
		2015		2014		
Land and land improvements	\$	179,954	\$	172,924		
Buildings and building improvements		5,955,908		5,558,974		
Equipment		1,826,766		1,427,800		
Construction in progress		1,098,134		900,180		
		9,060,762		8,059,878		
Accumulated depreciation		(3,731,980)		(3,443,970)		
Property and equipment, net	\$	5,328,782	\$	4,615,908		

Depreciation expense for the years ended September 30, 2015 and 2014 was \$487,980 and \$454,512, respectively. Interest costs, net of interest earned, aggregating \$35,063 and \$30,744 were capitalized in 2015 and 2014, respectively.

For the years ended September 30, 2015 and 2014, fully depreciated assets with an original cost of \$199,970 and \$235,966, respectively, were written off.

# 9. Accrued Medical Claims and Related Expenses

Liabilities for 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. As a result of changes in estimates of insured events in prior years and recoveries, the liability on claims existing on October 1, 2014 and 2013, (decreased) increased (\$27,221) and \$13,332, respectively, in the years ended September 30, 2015 and 2014, 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.

	2015	2014
Balance at beginning of year	\$ 254,480	\$ 121,833
Less:		
Premium deficiency reserve	(91,555)	(6,494)
Medical loss ratio rebate payable	(611)	(4,701)
Accrual for claims adjustment expenses	(4,381)	(2,855)
Claim recoveries	(7,567)	(1,991)
Plus: Settlements payable, net	 22,020	 23,555
Net balance at beginning of year	172,386	 129,347
Incurred related to		
Current year	2,007,380	1,597,866
Prior years	 (27,221)	 13,332
Total incurred	 1,980,159	 1,611,198
Paid related to		
Current year	1,822,513	1,431,205
Prior years	144,996	 136,954
Total paid	 1,967,509	 1,568,159
Net balance at end of year	185,036	172,386
Plus:		
Premium deficiency reserve	32,636	91,555
Medical loss ratio rebate payable	-	611
Accrual for claims adjustment expenses	4,877	4,381
Accrued medical payables - other	14,477	-
Claims recoveries	8,300	7,567
Less: Settlements payable, net	 (13,058)	 (22,020)
Balance at end of year	\$ 232,268	\$ 254,480

Medical claims and related expenses in the accompanying consolidated statements of operations include these amounts along with other nonclaims related costs. These nonclaims related expenses were for directly delivered services and medical cost risk sharing and incentives, totaling approximately \$17,422 and \$14,792 for the years ended September 30, 2015 and 2014, respectively.

# 10. Long-Term Obligations

Long-term obligations issued by PHS and its affiliates consist of the following:

		Septer	er 30,	
		2015		2014
Massachusetts Health and Educational Facilities Authority (Authority) Revenue Bonds				
Partners HealthCare System Series D, issued in multiple subseries, variable interest rate				
of 0.01% and 0.02% at September 30, 2015 and 2014, respectively, final maturity in 2017	\$	1,940	\$	11,490
Partners HealthCare System Series F, issued in multiple subseries, average fixed interest				
rate of 5.00%, variable interest rate of 0.29% and 0.24% at September 30, 2015 and 2014,				
respectively, final maturity in 2040		246,209		273,458
Partners HealthCare System Series G, issued in multiple subseries, average fixed interest				
rate of 4.93%, variable interest rate of 0.24% at September 30, 2015 and 2014,				100.051
final maturity in 2047		319,614		438,054
Partners HealthCare System Series H, issued in multiple subseries, variable interest rate		171 170		171 165
of 0.08% and 0.08% at September 30, 2015 and 2014, respectively, final maturity in 2042 Partners HealthCare System Series I, issued in multiple subseries, average fixed interest		171,170		171,165
rate of 4.80%, variable interest rate of 0.01% and 0.03%, at September 30, 2015 and				
2014, respectively, final maturity in 2044		168,686		171,996
Partners HealthCare System Series J, issued in multiple subseries, average fixed interest		100,000		171,000
rate of 5.00%, final maturity in 2039		442,110		456,746
Partners HealthCare System Series P, issued in multiple subseries, variable interest rate		, -		, -
of 0.01% and 0.04% at September 30, 2015 and 2014, respectively, final maturity in 2027		150,000		150,000
Massachusetts Development Finance Agency (Agency) Revenue Bonds				
Partners HealthCare System Series K, issued in multiple subseries, average fixed interest				
rate of 4.86%, variable interest rate of 0.02% and 0.04% at September 30, 2015 and 2014,				
respectively, final maturity in 2046		342,219		352,836
Partners HealthCare System Series L, average fixed interest rate of 4.94%,				
final maturity in 2041		340,347		351,264
Partners HealthCare System Series M, issued in multiple subseries, average fixed interest				
rate of 4.95%, variable interest rate of 0.34% and 0.36% at September 30, 2015 and 2014, respectively, final maturity in 2048		E07 E22		500 100
Partners HealthCare System Series N, issued in multiple subseries, variable interest rate		507,533		509,100
of 0.65% and 0.62% at September 30, 2015 and 2014, respectively, final maturity in 2044		139,400		141,350
Partners HealthCare System Series O, issued in multiple subseries, average fixed rate of		100,400		141,000
4.60%, variable interest rate of 0.50% at September 30, 2015, final maturity in 2050		356,517		-
Partners HealthCare System Series 2007 taxable bonds, fixed interest rate of 6.26%,		,-		
final maturity in 2037		100,000		100,000
Partners HealthCare System Series 2011 taxable bonds, fixed interest rate of 3.44%,				
final maturity in 2021		250,000		250,000
Partners HealthCare System 2012 Taxable Senior Notes, fixed interest rate of 4.11%,				
final maturity in 2052		400,000		400,000
Partners HealthCare System 2014 Taxable Senior Notes, fixed interest rate of 4.73%,				
final maturity in 2044		150,000		150,000
Partners HealthCare System Series 2015 taxable bonds, fixed interest rate of 4.12%,		200.000		
final maturity in 2055		300,000 6,092		- 6,454
Other obligations Capital lease obligations		1,187		2,229
Total long-term obligations including unamortized discounts and premiums		4,393,024	· —	3,936,142
Less: Current portion		398,990		238,204
Less. Ourient portion	¢		¢	
	Ф	3,994,034	φ	3,697,938

Aggregate maturities and payments of long-term obligations during the next five years and thereafter, and other amounts classified as current liabilities, are as follows:

	-	cheduled laturities	l H	Bonds pported by Partners ealthCare _iquidity	Sup	Bonds ported by Bank acilities	Total
2016	\$	64,860	\$	246,780	\$	87,350	\$ 398,990
2017		61,979		-		-	61,979
2018		68,162		-		-	68,162
2019		69,392		-		-	69,392
2020		71,959		-		-	71,959
Thereafter		3,722,542		-		-	3,722,542
	\$	4,058,894	\$	246,780	\$	87,350	\$ 4,393,024

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 2016 along with bonds supported by Partners HealthCare liquidity and bonds supported by bank facilities (standby bond purchase agreements or letters of credit) with financial institutions that expire prior to September 30, 2016. The bonds supported by Partners HealthCare liquidity provide the bondholder with an option to tender the bonds to Partners HealthCare. 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 to be classified as a current liability.

The fair value of long-term obligations was \$4,611,382 and \$4,152,828 as of September 30, 2015 and 2014, respectively, and would be classified as Level 2. The carrying amount of the variable rate debt is a reasonable estimate of its fair value. The fair value of the fixed rate debt is estimated based on quoted market prices for the same or similar issues.

Interest expense paid during the years ended September 30, 2015 and 2014 was \$165,844 and \$149,942, respectively.

#### Taxable Bonds and Notes

In March 2014, PHS issued \$150,000 of Partners HealthCare System Taxable Senior Notes. Proceeds from the notes were used to finance certain capital projects.

In January 2015, PHS issued \$300,000 of Partners HealthCare System Taxable Bonds. Proceeds from the bonds were used to finance certain capital projects.

#### **Revenue Bonds**

In January 2014, PHS issued \$496,040 of Partners HealthCare System Series M Revenue Bonds, plus bond premium of \$14,337. The bond proceeds, net of issuance costs of \$4,042, were used to refund portions of Series D Bonds (\$71,665) and Series K Bonds (\$73,815) and to finance certain capital projects (\$360,855).

In August 2014, PHS issued \$141,350 of Partners HealthCare System Series N Revenue Bonds. The Series N Bonds were privately placed with two banks. The bond proceeds were used to refund portions of Series F Bonds (\$91,350) and Series I Bonds (\$50,000).

In January 2015, PHS issued \$317,615 of Partners HealthCare System Series O Revenue Bonds, plus bond premium of \$39,969. The bond proceeds, net of issuance costs of \$2,814, were used to refund portions of Series F Bonds (\$20,865) and Series G Bonds (\$119,201) and to finance certain capital projects (\$214,704).

Partners HealthCare bonds are general obligations of PHS supported by guarantees from BWHC, The Brigham and Women's Hospital, Inc. (BWH), MGH and The General Hospital Corporation (the General) which may be suspended under certain conditions.

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

## **Credit Agreement**

Partners HealthCare maintains a \$150,000 Credit Agreement (the Agreement) that provides access to same day funds. Advances under the Agreement bear a variable rate of interest based on the London Interbank Offered Rate (LIBOR). As of September 30, 2015, there were no amounts outstanding under the Agreement. The Agreement expires in June 2017.

#### 11. Derivatives

#### Interest Rate Swaps

Partners HealthCare utilizes swap contracts to manage fluctuations in cash flows resulting from interest rate risk on certain of its variable rate bonds. These bonds expose Partners HealthCare to variability in interest payments due to changes in interest rates. Management believes that it is prudent to limit the variability of its interest payments. To meet this objective and to take advantage of low interest rates, Partners HealthCare entered into variable swap contracts involving the exchange of fixed rate payments by Partners HealthCare for variable rate payments from several counterparties based on a percentage of LIBOR.

By using swap contracts to manage the risk of changes in interest rates, Partners HealthCare exposes itself 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 Partners HealthCare, which creates credit risk. Partners HealthCare minimizes its credit risk by entering into swap contracts with several counterparties and requiring the counterparty to post collateral for the benefit of Partners HealthCare based on the credit rating of the counterparty and the fair value of the swap contract. When the fair value of a swap contract is negative, Partners HealthCare has a liability to the counterparty and, therefore, it does not possess credit risk, but under certain circumstances, Partners HealthCare 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 may be undertaken.

The following is a summary of the outstanding positions under these swap contracts as of September 30, 2015:

Effective		Notional			
Date		Amount	Maturity	Rate Paid	Rate Received
5/1/03	\$	150,000	7/1/35	4.40 %	67% 1-month LIBOR
7/1/05	Ψ	150,000	7/1/40	3.63 %	67% 1-month LIBOR
7/1/05		38,600	7/1/25	5.11 %	67% 6-month LIBOR
7/1/07		150,000	7/1/42	3.46 %	67% 1-month LIBOR
7/1/09		100,000	7/1/44	3.71 %	67% 1-month LIBOR
7/1/11		100,000	7/1/46	3.74 %	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		50,000	7/1/50	3.93 %	67% 1-month LIBOR
4/1/16		50,000	7/1/52	3.59 %	67% 1-month LIBOR
7/1/17		50,000	7/1/52	3.74 %	67% 1-month LIBOR

As of September 30, 2014, Partners HealthCare elected to stop applying hedge accounting treatment for its swap contracts; accordingly, changes in the fair value of interest rate swaps are recognized as nonoperating gains (expenses). As a result of this election and in accordance with accounting guidance for derivative instruments, losses of \$81,600 which were previously recognized as a change in unrestricted net assets were reclassed to nonoperating gains (expenses) in the consolidated statement of operations.

Previously, for swap contracts designated as cash flow hedges, the change in fair value of the effective portion of the hedge was reflected as a change in unrestricted net assets and the ineffective portion of the hedge was reflected as a component of nonoperating gains (expenses) in the consolidated statements of operations. For nonhedging swap contracts, the change in fair value was recorded as a component of nonoperating gains (expenses) in the consolidated statements of operations.

The fair value of swap contracts is recorded in the interest rate swap liability.

The effects of swap contracts on the consolidated statements of operations are as follows:

	с	Recognized in hanges in UnrestrictedRecognize of Rev Over Ex Over Ex 2015Net AssetsOver Ex Over Ex 201420152014			d in venu open	Gain (Loss) d in Excess renues spenses <u>September 30,</u> 2014		
		2015		2014	 2015		2014	
Statement of operations location Swap contracts designated as hedging instruments Change in fair value of hedging interest rate swaps	\$	-	\$	44,806	\$	\$	-	
Amortization of swaption premiums Hedge ineffectiveness		-		-	-		1,112 771	
Swap contracts not designated as hedging instruments Change in fair value of nonhedging interest rate swaps Amortization of net asset balance upon hedge		-		-	(110,315)		(110,340)	
de-designation		-		818	 -		(818)	
	\$	-	\$	45,624	\$ (110,315)	\$	(109,275)	

Partners HealthCare's 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 Partners HealthCare's and the counterparty's debt. Declines in Partners HealthCare's or the counterparty's credit ratings would result in lower collateral thresholds and, consequently, the potential for additional collateral postings by Partners HealthCare or the counterparty. As of September 30, 2015 and 2014, Partners HealthCare had posted collateral of \$128,208 and \$58,944, respectively. Partners HealthCare has 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 Partners HealthCare or the counterparty could terminate the contracts in accordance with their 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, Partners HealthCare would make a payment to the counterparty. Conversely, if interest rates at such time are higher, the counterparty would make a payment to Partners HealthCare.

#### **Derivatives - Other**

Partners HealthCare also enters into options and futures primarily as hedges on securities and indices primarily related to foreign currency. Forward contracts are used as currency hedges. These agreements are limited in use and generally do not exceed one year and are included in separately invested investments.

#### 12. Commitments

#### Leases

Partners HealthCare has capital and noncancelable operating leases for certain buildings and equipment. Minimum future lease commitments under noncancelable leases for the next five years and thereafter are as follows:

	Capital Leases	Operating Leases
2016	\$ 437	\$ 239,337
2017	437	172,736
2018	396	145,392
2019	-	103,959
2020	-	83,541
Thereafter	 -	 382,176
Total lease payments	1,270	\$ 1,127,141
Less: Amount representing interest	 83	
Capital lease obligations at September 30, 2015	\$ 1,187	

Rental expense under operating leases approximated \$196,946 in 2015 and \$190,827 in 2014.

#### **Construction Projects**

BWH is constructing a building (the Brigham Building for the Future or BBF). The BBF will expand research and clinical space on the BWH campus, with a focus on the Neuroscience and Musculoskeletal programs, and increase flexibility for future campus redevelopment while allowing for lease consolidation. The associated land is leased to BWH by the Commonwealth through 2105. Phase 1 of the project, which involved the construction of two smaller facilities to be used by the Commonwealth, was completed in 2012. Phase 2 of the project, which involves the site preparation and construction of BBF, is ongoing. As of September 30, 2015, accumulated costs incurred related to the BBF approximated \$284,830 with approximately \$77,605 in outstanding construction contracts. Phase 2 costs are expected to be approximately \$511,500, with occupancy scheduled for late 2016.

Partners HealthCare is constructing a building and parking garage as part of the mixed-use development project at Assembly Row in Somerville, MA. This building will primarily be administrative space and allow for consolidation of multiple locations into a single cost- effective location. As of September 30, 2015, accumulated costs incurred related to the new administrative project are approximately \$127,392 with approximately \$182,500 in outstanding commitments. The total cost of the project is expected to be approximately \$467,000, with occupancy scheduled for summer 2016.

#### 13. Pension and Postretirement Healthcare Benefit Plans

Substantially all employees of Partners HealthCare are covered under various 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.

Total expense for these plans consists of the following:

	Y	\$ 233,670 \$ 150,745				
		2015		2014		
Defined benefit plans	\$	233,670	\$	181,748		
Defined contribution plans		150,745		144,747		
Postretirement healthcare benefit plans		4,368		7,029		
	\$	388,783	\$	333,524		

Information regarding benefit obligations, plan assets, funded status, expected cash flows and net periodic benefit cost follows within this footnote.

#### **Benefit Obligations**

	Defined Pensio	 	Postret Healthcare B	 rement enefit Plans		
	 2015	2014	 2015	2014		
Change in benefit obligations						
Benefit obligations at beginning of year	\$ 5,102,117	\$ 4,260,555	\$ 136,502	\$ 138,329		
Service cost	267,328	221,631	5,059	5,373		
Interest cost	231,953	221,702	4,966	5,777		
Plan amendments	5,045	1,825	-	-		
Actuarial (gain) loss	204,937	507,350	7,622	(15,438)		
Benefits paid	(126,127)	(105,475)	(5,301)	(5,077)		
Expenses paid	(6,565)	(5,672)	-	-		
Employee contributions	 187	 201	 8,027	 7,538		
Benefit obligations at end of year	\$ 5,678,875	\$ 5,102,117	\$ 156,875	\$ 136,502		

The accumulated benefit obligation for all defined benefit pension plans at the end of 2015 and 2014 was \$5,371,220 and \$4,806,399, respectively.

		l Benefit n Plans		nt Healthcare t Plans
	2015 2014		2015	2014
Weighted-average assumptions used to determine end of year benefit obligation				
Discount rate	4.50%	4.40%	3.00% - 4.55%	3.05% - 4.40%
Rate of compensation increase				
Professional staff	4.45%	4.45%	N/A	N/A
Other than professional staff	3.00% - 3.50%	3.00% - 4.00%	N/A	N/A
Healthcare cost trend rate for next year	N/A	N/A	7.00%	7.00%
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	2020	2020

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

	One-Percentage-Percent	oint	One-F	Percentage-Point Decrease
Effect on postretirement benefit obligation	\$	986	\$	(914)

#### **Plan Assets**

	Definec Pensio	 		ent fit Plans		
	 2015	2014		2015		2014
Change in plan assets						
Fair value of plan assets at beginning of year	\$ 4,365,566	\$ 3,925,818	\$	68,438	\$	56,761
Actual return on plan assets	(147,938)	366,240		(3,003)		5,212
Employer contributions	246,972	184,454		5,044		4,004
Employee contributions	187	201		8,027		7,538
Benefits paid	(126,127)	(105,475)		(5,301)		(5,077)
Expenses paid	(6,565)	(5,672)				
Fair value of plan assets at end of year	\$ 4,332,095	\$ 4,365,566	\$	73,205	\$	68,438

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) Partners HealthCare's ability and willingness to incur market risk.

Oversight of the management of Partners HealthCare's investable assets, including the Master Trust, is provided by the Investment Committee of the PHS Board of Directors which seeks to add 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.

Partners HealthCare utilizes a target allocation policy that balances projected returns, correlations 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 the net exposures reported by each manager. Asset allocation can and will deviate from target exposures and is regularly monitored for rebalancing opportunities.

The following table presents the capital allocations, reported exposures of the allocations and policy benchmarks by manager mandate within the Master Trust. Some managers, particularly real assets and less market sensitive managers, invest allocated capital among multiple policy benchmark asset classes.

	Se	ptember 30, 201	5	September 30, 2014					
	 Dollars	Reported Exposures	Policy Benchmark	 Dollars	Reported Exposures	Policy Benchmark			
Global equity	\$ 205,596	4 %	7 %	\$ 204,952	4 %	4 %			
Traditional U.S. equity	537,524	12	10	610,856	14	13			
Traditional foreign developed equity	585,803	14	12	601,744	14	13			
Traditional emerging markets equity	552,140	13	11	571,868	13	13			
Private equity	388,336	9	8	329,329	8	8			
Real assets	284,808	7	7	334,631	8	8			
Less: Market sensitive managers	1,502,556	35	36	1,404,996	32	31			
Fixed income managers	 275,332	6	9	 307,190	7	10			
	\$ 4,332,095	100 %	100 %	\$ 4,365,566	100 %	100 %			

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 absolute return, long/short equity and diversified strategies, which in the aggregate are expected to generate positive returns on a consistent basis. Other exposures include currency and volatility based strategies. Inflation defensive strategies include investments in real estate assets, commodities, timber and inflation protection bonds. Investment risks (concentration, correlation, valuation, liquidity, leverage, mandate compliance, etc.) are measured at the manager level as well as the pool level.

The postretirement healthcare benefit plans assets are commingled funds, with the objective of achieving returns to satisfy plan obligations and with a level of volatility commensurate with Partners HealthCare's overall financial profile.

The following table presents plan assets, by form of ownership, as of September 30, 2015 and 2014 measured at fair value on a recurring basis using the fair value hierarchy defined in Note 6:

		Fair V	'alu	e Measurement	ts Us	ing		
	Identical Items (Level 1)         Inputs (Level 2)         Practical Expedient         Septen 20           pension plans uivalents         \$ 43,315         \$ - \$         \$ 5         \$ 5	Fair Value at eptember 30, 2015						
Defined benefit pension plans								
Invested cash equivalents	\$	43,315	\$	-	\$	-	\$	43,315
Separately managed investments		366,713		201,603		-		568,316
Mutual funds		257,734		-		-		257,734
Commingled funds		-		1,072,581		-		1,072,581
Private partnerships		-		-		2,390,149		2,390,149
		667,762		1,274,184		2,390,149		4,332,095
Postretirement healthcare benefit plans								
Commingled funds		9,980		56,325		6,900		73,205
Total plan assets	\$	677,742	\$	1,330,509	\$	2,397,049	\$	4,405,300

		Fair V	'alu	e Measurement	ts Us	ing		
	valents       \$ 2,169       \$ -       \$ -         d investments       536,940       221,807       -         419,479       -       -       -         -       977,778       -       -         -       -       2,207,393       -         958,588       1,199,585       2,207,393       -         althcare benefit plans       671       60,892       6,875	-	air Value at eptember 30, 2014					
Defined benefit pension plans								
Invested cash equivalents	\$	2,169	\$	-	\$	-	\$	2,169
Separately managed investments		536,940		221,807		-		758,747
Mutual funds		419,479		-		-		419,479
Commingled funds		-		977,778		-		977,778
Private partnerships		-		-		2,207,393		2,207,393
		958,588		1,199,585		2,207,393		4,365,566
Postretirement healthcare benefit plans								
Commingled funds		671		60,892		6,875		68,438
Total plan assets	\$	959,259	\$	1,260,477	\$	2,214,268	\$	4,434,004

In evaluating the Level at which Partners HealthCare's 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, 2015 and 2014, Partners HealthCare has excluded all assets from the fair value hierarchy for which fair value is measured at net asset value per share using the practical expedient.

#### **Funded Status**

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

	Defined Benefit Pension Plans			Postretirement Healthcare Benefit Plans				
	2015		2014		2015		2014	
End of year Fair value of plan assets at measurement date Benefit obligations at measurement date	\$ 4,332,095 (5,678,875)	\$	4,365,566 (5,102,117)	\$	73,205 (156,875)	\$	68,438 (136,502)	
Funded status	\$ (1,346,780)	\$	(736,551)	\$	(83,670)	\$	(68,064)	
Amounts recognized in the balance sheet consist of								
Noncurrent assets Current liabilities Long-term liabilities	\$ - (2,116) (1,344,664)	\$	- (4,272) (732,279)	\$	(3,586) (80,084)	\$	348 (3,299) (65,113)	
	\$ (1,346,780)	\$	(736,551)	\$	(83,670)	\$	(68,064)	
Amounts not yet recognized in net periodic benefit cost and included in unrestricted net assets consist of								
Actuarial net loss (gain) Prior service cost (credit)	\$ 1,850,126 9,852	\$	1,227,732 9,360	\$	11,730 -	\$	(4,551) -	
	\$ 1,859,978	\$	1,237,092	\$	11,730	\$	(4,551)	
Amounts recognized in unrestricted net assets consist of								
Current year actuarial (gain) loss Amortization of actuarial gain (loss) Current year prior service cost (credit) Amortization of prior service (cost) credit	\$ 698,377 (75,983) 4,402 (3,910)	\$	449,880 (44,183) 1,354 (3,002)	\$	15,746 535 -	\$	(16,404) 33 - 20	
	\$ 622,886	\$	404,049	\$	16,281	\$	(16,351)	

At the end of 2015 and 2014, 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:

	2015	2014
Accumulated benefit obligation in excess of plan assets		
Projected benefit obligation	\$ 5,678,875	\$ 5,102,117
Accumulated benefit obligation	5,371,220	4,806,399
Fair value of plan assets	4,332,095	4,365,566

#### **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	Postretireme Benefi	 
Expected employer contributions			
2016	\$ 287,515	\$ 6,739	
			Medicare
			Subsidy
Expected benefit payments (receipts)			
2016	\$ 226,494	\$ 6,997	\$ (258)
2017	253,603	7,997	(239)
2018	267,380	9,002	(222)
2019	283,947	10,036	(204)
2020	308,479	11,084	(185)
2021-2025	1,779,566	70,975	(654)

#### **Net Periodic Benefit Cost**

		Defined Benefit Pension Plans					ostretirement care Benefit Plans			
	2015 2014			2015			2014			
Service cost Interest cost Expected return on plan assets Amortization of	\$	267,328 231,953 (345,504)	\$	221,631 221,702 (308,770)	\$	5,059 4,966 (5,123)	\$	5,373 5,777 (4,247)		
Prior service cost (credit) Actuarial net (gain) loss		3,910 75,983		3,002 44,183		- (534)		(20) 146		
Net periodic benefit cost	\$	233,670	\$	181,748	\$	4,368	\$	7,029		

Amounts expected to be amortized from unrestricted net assets into net periodic benefit cost during the year ending September 30, 2015 are as follows:

	Defined Benefit Pension Plans	Heal Be	tirement thcare nefit ans
Actuarial net loss (gain)	\$ 90,109	\$	1,266
Prior service cost (credit)	3,566		-

		Benefit n Plans		nt Healthcare t Plans
	2015 2014			2014
Weighted-average assumptions used to determine net periodic pension and postretirement cost				
Discount rate	4.40 %	5.05 %	3.05 % - 4.40 %	3.15 % - 5.05 %
Expected return on plan assets	8.00 %	8.00 %	7.50 %	7.50 %
Rate of compensation increase				
Professional staff	4.45 %	4.45 %	N/A	N/A
Other than professional staff	3.00 % - 3.50 %	3.00 % - 4.00 %	N/A	N/A
Healthcare cost trend rate for this year	N/A	N/A	7.00 %	6.50 %
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	2021	2017

Partners HealthCare uses 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. Partners HealthCare regularly monitors 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 healthcare plans. A one-percentage-point change in assumed healthcare cost trend rates would have the following effect:

		One-Perce	ntage	-Point
	In	Increase		ecrease
Effect on service and interest cost	\$	40	\$	(37)

#### 14. Professional Liability Insurance

Partners HealthCare insures substantially all of its 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). PHS owns 10% of CRICO. The investment is accounted for on the cost basis of accounting. The policies cover claims made during their respective terms, but not those occurrences for which claims may be made after expiration of the policy, except for certain tail liabilities which CRICO has assumed on an occurrence basis through December 31, 2015. 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 2015, CRICO announced and paid a dividend to member organizations. As a result, Partners HealthCare recognized a dividend of \$54,779 as a nonoperating gain.

Partners HealthCare follows 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 \$482,640 and \$455,463 as of September 30, 2015 and 2014, 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 3.50% and 3.25% as of September 30, 2015 and 2014, respectively.

Partners HealthCare also recognizes 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 \$397,958 and \$370,311 as of September 30, 2015 and 2014, respectively, is reported as a component of other assets in the consolidated balance sheets.

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

#### 15. Concentration of Credit Risk

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

Partners HealthCare receives a significant portion of its 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. NHP receives a significant portion of its premium revenue from the Commonwealth. Pledges receivable are due from multiple donors. Partners HealthCare assesses the credit risk for pledges based on history and the financial wherewithal of donors, most of which are individuals or organizations well known to Partners HealthCare.

Investments, which include government and agency securities, stocks and corporate bonds, and private partnerships and other investments are not concentrated in any corporation or industry or with any single counterparty. Alternative investments are less liquid than Partners HealthCare's 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.

Partners HealthCare minimizes the credit risk it is exposed to under interest rate swap agreements by utilizing several counterparties and requiring the counterparties to post collateral for the benefit of Partners HealthCare when the fair value of the swap is positive. Partners HealthCare minimizes its counterparty risk by contracting with six counterparties, none of which accounts for more than 30% of the aggregate notional amount of the swap contracts.

#### 16. Net Assets

Restricted net assets are available for the following purposes:

	September 30,						
		2015		2014			
Temporarily restricted							
Charity care	\$	89,032	\$	98,170			
Buildings and equipment	Ŧ	89,990	Ŧ	102,109			
Clinical care, research and academic		586,540		655,675			
	\$	765,562	\$	855,954			
Permanently restricted							
Charity care	\$	20,550	\$	19,763			
Buildings and equipment		2,444		2,433			
Clinical care, research and academic		556,584		441,578			
	\$	579,578	\$	463,774			

#### Endowment

Partners HealthCare's endowment consists of numerous individual funds established for a variety of purposes. The endowment includes both donor-restricted endowment funds and funds designated by the boards to function as endowment.

Partners HealthCare has interpreted UPMIFA as requiring the preservation of the value of the original gift of the donor-restricted endowment funds absent explicit donor stipulations to the contrary. As a result of this interpretation, Partners HealthCare classifies as permanently restricted net assets (a) the original value of gifts donated to the permanent endowment, (b) the original value of subsequent gifts donated to the permanent endowment, and (c) accumulations to the permanent endowment made in accordance with the direction of the applicable donor gift instrument at the time the accumulation is added to the fund. The remaining portion of the donor-restricted endowment that is not classified in permanently restricted net assets is classified as temporarily restricted net assets until those amounts are appropriated for expenditure by Partners HealthCare in a manner consistent with the standard of prudence prescribed by UPMIFA. In accordance with UPMIFA, Partners HealthCare considers 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 gift amounts. When such endowment deficits exist, they are classified as a reduction to unrestricted net assets. Deficits of this nature reported in unrestricted net assets were \$11,292 and \$247 as of September 30, 2015 and 2014, respectively. These deficits resulted from unfavorable market fluctuations that occurred after the investment of new permanently restricted contributions or subsequent endowment additions.

The following presents the endowment net asset composition by type of fund as of September 30, 2015 and 2014 and the changes in endowment assets for the years ended September 30, 2015 and 2014:

	Unrestricted		Temporarily Restricted		Permanently Restricted			Total
Endowment net asset composition by type of fund as of September 30, 2015								
Donor-restricted endowment funds Board-designated endowment funds	\$	(11,292) 885,380	\$	410,816 -	\$	558,507 -	\$	958,031 885,380
Total funds	\$	874,088	\$	410,816	\$	558,507	\$	1,843,411
	Unrestricted			mporarily estricted	Permanently Restricted			Total
Changes in endowment net assets Endowment net assets at September 30, 2014	\$	942,119	\$	498,238	\$	447,607	\$	1,887,964
Investment return Investment income Net realized and unrealized	<u> </u>	3,856	<u> </u>	4,588	<u> </u>	(1)	<u> </u>	8,443
appreciation (depreciation)		(51,213)		(40,005)	1	(30)		(91,248)
Total investment return		(47,357)		(35,417)		(31)		(82,805)
Contributions Appropriation of endowment assets		5,898		(172)		116,449		122,175
for expenditure Other changes		(40,515) 13,943		(49,813) (2,020)		- (5,518)		(90,328) 6,405
Total changes		(68,031)		(87,422)		110,900		(44,553)
Endowment net assets at September 30, 2015	\$	874,088	\$	410,816	\$	558,507	\$	1,843,411
	Un	restricted		mporarily estricted	Permanently Restricted			Total
Endowment net asset composition by type of fund as of September 30, 2014								
Donor-restricted endowment funds Board-designated endowment funds	\$	(247) 942,366	\$	498,238 -	\$	447,607 -	\$	945,598 942,366
Total funds	\$	942,119	\$	498,238	\$	447,607	\$	1,887,964

	Unrestricted		Temporarily Restricted		Permanently Restricted		Total
<b>Changes in endowment net assets</b> Endowment net assets at October 1, 2013	\$	903,255	\$	468,273	\$	397,472	\$ 1,769,000
Investment return Investment income Net realized and unrealized		4,894		14,570		13	19,477
appreciation (depreciation)		76,199		51,383		291	 127,873
Total investment return		81,093		65,953		304	147,350
Contributions Appropriation of endowment assets		8,509		5,566		49,877	63,952
for expenditure		(39,258)		(41,234)		-	(80,492)
Other changes		(11,480)		(320)		(46)	 (11,846)
Total changes		38,864		29,965		50,135	 118,964
Endowment net assets at September 30, 2014	\$	942,119	\$	498,238	\$	447,607	\$ 1,887,964

#### **Conditional Pledge**

During 2009, the General signed an agreement (Ragon Agreement) with The Massachusetts Institute of Technology (MIT), The President and Fellows of Harvard College (Harvard) and The Phillip T. and Susan M. Ragon Foundation (Ragon Foundation) to establish the Phillip T. and Susan M. Ragon Institute (Ragon Institute) as a joint research center of the General, MIT and Harvard with the purpose of harnessing the potential of the immune response to combat and conquer human diseases, integrating biomedical research with emerging engineering technologies (with the main initial focus being the development of an AIDS vaccine) and educating and training scientists. The Ragon Foundation committed to provide funding for the Ragon Institute of \$100,000 over ten years through the General (as the administrative home for the Ragon Institute). beginning retroactively on January 1, 2008. The Ragon Foundation has the ability to slow, suspend or eliminate funding based on restrictions described in the Ragon Agreement. Additionally, any funding not paid by December 31, 2017 would no longer be due by the Ragon Foundation. In February 2014, an amendment was signed (Ragon Amendment) that noted that the current agreement would be completed by December 2018 and that an additional \$50,000 of funding would be committed by the Ragon Foundation over five years beginning in 2019. Due to the conditions within the Ragon Agreement, funding is recognized when received, with no pledge receivable recorded for the balance of the amended commitment.

Through September 30, 2015, total funding of \$84,891 was received, with \$10,891 received for the year ended September 30, 2015 (including \$891 of endowment earnings distributed), and total net expenses of \$70,912 were incurred, including \$10,417 for the year ended September 30, 2015. As of September 30, 2015, unspent funding of \$13,979 has been recorded as temporarily restricted net assets, to be released to unrestricted net assets after qualifying expenses have been incurred.

#### 17. Functional Expenses

Total operating expenses by function are as follows:

	Years	Years Ended September 30,						
	20	2015						
Healthcare services	\$ 7,1	67,823	\$	6,852,795				
Research and academic	1,6	671,225		1,578,693				
Medical claims and related expenses	1,6	52,538		1,463,972				
General and administrative	1,C	67,601		1,032,197				
	\$ 11,5	559,187	\$	10,927,657				

#### 18. Contingencies

Partners HealthCare is subject to complaints, claims and litigation which arise in the normal course of business. In addition, Partners HealthCare is 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 institutions, including Partners HealthCare, has increased.

#### 19. Subsequent Events

Partners HealthCare has assessed the impact of subsequent events through December 11, 2015, 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

RESEARCH AND DEVELOPMENT AND RESEARCH TRAINING CLUSTER DIRECT RESEARCH						
CFDA Agency CFDA Program	CFDA #	BWH	MGH	McLean	Other	Total
Agency for International Development						
USAID Foreign Assistance for Programs Overseas	98.001 💲	\$ 23,210 \$	892,969	<u> </u>	<u> </u>	916,179
Agency for International Development	-	23,210	892,969			916,179
Consumer Product Safety Commission						
Consumer Product Safety Commission	93.F	-	46,689	-	-	46,689
Consumer Product Safety Commission	-		46,689			46,689
Department of Agriculture						
Grants for Agricultural Research, Special Research Grants	10.200		156,973	-		156,973
Department of Agriculture	-		156,973		<u> </u>	156,973
Department Of Defense						
Air Force Defense Research Sciences Program	12.800	-	2,827,552	-	-	2,827,552
Basic and Applied Scientific Research	12.300	207,135	40,062	-	-	247,197
Basic Scientific Research	12.431	-	9,757,139	-	-	9,757,139
Basic, Applied, and Advanced Research in Science and Engineering Defense Threat Reduction Agency	12.630 93.S	114,838	- 376,110	-	-	114,838 376,110
Military Medical Research and Development	12.420	- 9,133,289	13,883,141	- 654,572	- 977,098	24,648,100
Naval Medical Research Unit	93.L	5,137	-		-	5,137
Research and Technology Development	12.910	-	1,364,207	14,365	-	1,378,572
U.S. Army Medical Research Acquistion	93.Q	-	1,331,974	-	-	1,331,974
Department Of Defense	-	9,460,399	29,580,185	668,937	977,098	40,686,619
Department of Education						
. National Institute on Disability and Rehabilitation Research	84.133	20,046	-	-	1,080,324	1,100,370
Department of Education		20,046	-	-	1,080,324	1,100,370
Department of Energy Office of Science Financial Assistance Program	81.049		65,900		_	65,900
Department of Energy	-	-	65,900			65,900
Department of Energy	-		03,300			05,500
Department of Health and Human Services						
ACL National Institute on Disability, Independent Living, and Rehabilitation Research	93.433	-	-	-	31,679	31,679
Advanced Education Nursing Grant Program	93.247	-	-	-	267,591	267,591
Agency for Healthcare Research and Quality (AHRQ)	93.G	(87,293)	-	-	-	(87,293)
Aging Research	93.866	21,750,610	12,691,106	2,140	82,751	34,526,607
Alcohol Research Programs	93.273	-	206,108	474,926	-	681,034
Allergy, Immunology and Transplantation Research	93.855	77,082,820	44,920,097	-	-	122,002,917
Arthritis, Musculoskeletal and Skin Diseases Research	93.846	11,092,092	4,791,799	-	312,658	16,196,549
Assistance for Torture Victims Biomedical Research and Research Training	93.604 93.859	- 9,829,647	370,501 15,267,715	-	-	370,501 25,096,590
Blood Diseases and Resources Research	93.859	9,829,647 6,007,661	1,708,882	(772)	-	25,096,590 7,716,543
Cancer Biology Research	93.396	5,424,638	10,076,338	-	-	15,500,976
	33.330	0,121,000	10,010,000			10,000,010

RESEARCH AND DEVELOPMENT AND RESEARCH TRAINING CLUSTER DIRECT RESEARCH CFDA Agency CFDA Program

DA Agency	CFDA Program	CFDA #	BWH	MGH	McLean	Other	Total
	Cancer Cause and Prevention Research	93.393	19,618,839	6,836,865	-	-	26,455,704
	Cancer Centers Support Grants	93.397	-	2,278,876	-	-	2,278,876
	Cancer Control	93.399	-	1,422,988	-	-	1,422,988
	Cancer Detection and Diagnosis Research	93.394	7,998,753	10,887,187	-	-	18,885,940
	Cancer Treatment Research	93.395	18,002,380	11,514,015	-	-	29,516,395
	Cardiovascular Diseases Research	93.837	38,978,914	28,547,989	-	533,339	68,060,242
	Center for Disease Control & Prevention	93.C	96,946	-	-	-	96,946
	Center for Medicare and Medicaid Innovation	93.N	(1,087)	-	-	-	(1,087)
	Centers for Disease Control and Prevention Investigations and Technical Assistance	93.283	-	843,736	-	-	843,736
	Child Health and Human Development Extramural Research	93.865	3,226,576	10,556,546	2,385	174,694	13,960,201
	Comparative Medicine, Instrumentation, Research Infrastructure	93.351	1,372,746	2,153,720	-	-	3,526,466
	Diabetes, Digestive, and Kidney Diseases Extramural Research	93.847	15,049,621	31,732,919	-	-	46,782,540
	Discovery and Applied Research for Technological Innovations to Improve Human Health	93.286	6,261,440	17,100,782	-	-	23,362,222
	Drug Abuse and Addiction Research Programs	93.279	978,814	3,128,727	9,289,330	-	13,396,871
	Eastern Cooperative Oncology Group	93.T	-	8,094	-	-	8,094
	Environmental Health	93.113	851,959	102,321	-	-	954,280
	Extramural Research Programs in the Neurosciences and Neurological Disorders	93.853	13,140,767	30,894,937	973,917	-	45,009,621
	Food & Drug Administration	93.H	1,337,334	852,027	-	-	2,189,361
	Food and Drug Administration_Research	93.103	245,380	872,261	-	-	1,117,641
	HHS Programs for Disaster Relief Appropriations Act - Non Construction	93.095	-	46,358	-	-	46,358
	Human Genome Research	93.172	6,871,643	189,649	-	-	7,061,292
	Kidney Diseases, Urology and Hematology Research	93.849	-	(2)	-	-	(2)
	Lung Diseases Research	93.838	35,248,180	5,748,891	-	-	40,997,071
	Maternal and Child Health Federal Consolidated Programs	93.110	-	3,703,289	-	-	3,703,289
	Medical Library Assistance	93.879	1,745,522	80,304	-	-	1,825,826
	Mental Health Research Grants	93.242	5,481,960	19,991,865	8,783,254	-	34,257,079
	Minority Health and Health Disparities Research	93.307	-	47,425	-	-	47,425
	National Center on Sleep Disorders Research	93.233	4,637,559	425,040	-	-	5,062,599
	National Institutes of Health Contracts	93.	2,956,484	9,301,712	2,035,852	-	14,294,048
	Nursing Research	93.361	638,712	1,119,891	-	1,033,251	2,791,854
	Occupational Safety and Health Program	93.262	2,565,125		-	-	2,565,125
	Oral Diseases and Disorders Research	93.121	3,368,713	1,551,383	-	-	4,920,096
	Rapid Expansion of Antiretroviral Therapy Programs for HIV-Infected Persons in Selected Countries in						
	Africa and the Caribbean Under the President's Emergency Plan for AIDS Relief	93.266	22,991		-	-	22,991
	Research and Training in Complementary and Alternative Medicine	93.213	574,659	6,951,430	554,620	-	8,080,709
	Research on Healthcare Costs, Quality and Outcomes	93.226	4,055,623	271,193	-	-	4,326,816
	Research Related to Deafness and Communication Disorders	93.173	724,634	2,062,422	-	900,550	3,687,606
	Trans - NIH Recovery Act Loan Repayment Support	93.704	802,787	-	-	-	802,787
	Trans - NIH Recovery Act Research Support	93.701	120	(11,230)	-	-	(11,110)
	Trans - NIH Research Support	93.310	6,023,777	5,031,869	-	-	11,055,646
	Vision Research	93.867	3,148,967	1,581,560	(330)		4,730,197
	Department of Health and Human Services	-	337,127,013	307,859,585	22,115,322	3,336,513	670,438,433

RESEARCH AND DEVELOPMENT AND RESEARCH TRAINING CLUSTER DIRECT RESEARCH						
CFDA Agency CFDA Program	CFDA #	BWH	MGH	McLean	Other	Total
Department of Homeland Security						
Assistance to Firefighters Grant	97.044	7,040	-	-		7,040
Department of Homeland Security	-	7,040				7,040
Department of State						
U.S. Agency for International Development	93.Z	-	16,369	-		16,369
Department of State	_	-	16,369	-		16,369
Department of Veterans Affairs						
Department of Veterans Affairs	93.U	20,588	259,694	-	-	280,282
VA Boston Healthcare System	93.M	230,878	170,541	-	-	401,419
Veterans Administration Medical Center	93.E	287,228	(5,794)	11,063	5,599	298,096
Department of Veterans Affairs	-	538,694	424,441	11,063	5,599	979,797
Institute of Museum and Library Services						
National Leadership Grants	45.312	-	-	-	15,636	15,636
Institute of Museum and Library Services	-			-	15,636	15,636
National Aeronautics and Space Administration						
Aerospace Education Services Program	43.001	195,860	150,980	-	-	346,840
Exploration	43.003	913,362	-	-		913,362
National Aeronautics and Space Administration	-	1,109,222	150,980	-		1,260,202
National Science Foundation						
Biological Sciences	47.074	-	12,210	-	-	12,210
Computer and Information Science and Engineering	47.070	-	245,273	-	-	245,273
Engineering Grants	47.041	602,928	551,960	-	-	1,154,888
Geosciences	47.050		33,380			33,380
National Science Foundation	-	602,928	842,823	-		1,445,751
Total Direct Research and Development	<u>-</u>	\$ 348,888,552	340,036,914	\$ 22,795,322	\$ 5,415,170	\$ 717,135,958

SEARCH PASS-THROUGH DA Agency CFDA Program	Pass-Through Sponsor	CFDA # Pass-Through Number	BWH	MGH	McLean	Other	Total
incy for International Development							
USAID Foreign Assistance for Programs Overseas	Eastern Virginia Medical School	98.001 GPO-A-00-08-00005-00	\$ (359) \$	- \$	-	\$-\$	
	President and Fellows of Harvard College	98.001 607500.01.14.002	11,466		-	-	11,466
Agency for International Development	President and Fellows of Harvard College	98.001 AID-AFDA-A-12-00002/2017	59,557	· .	<u> </u>	<u> </u>	59,557 70,664
Agency for international bevelopment			70,084	<u> </u>	<u> </u>		70,66
partment of Commerce							
Sea Grant Support Department of Commerce	Massachusetts Institute of Technology	11.417 NA10IAR4170086	2,389		<u> </u>	<u> </u>	2,389
Department of Commerce			2,309		,		2,508
partment Of Defense							
Basic and Applied Scientific Research	Johns Hopkins University Regents of the University of California	12.300 N000014-10-1-0278 12.300 N00014-13-1-0672	114,839	195,166	-		114,839 195,166
	Texas A&M University	12:300 N00014-12-1-0187		14,920	-		14,92
Basic Scientific Research	Massachusetts Institute of Technology	12.431 W911NF-10-1-0059	-	55,410	-		55,410
	Trustees of Boston University	12.431 W911NF-11-2-0056	-	23,279	-	-	23,279
Basic Scientific Research - Combating Weapons of Mass Destruction	Digital Infuzion Digital Infuzion	12.351 N66001-13-C-2026 12.351 TSWG-14-C-3273	-	(143,972) 161,620			(143,972) 161,620
Basic, Applied, and Advanced Research in Science and Engineering	Massachusetts Institute of Technology	12.630 FA9550-10-1-0551		3.270	-		3.270
Military Medical Research and Development	American Burn Association	12.420 W81XWH-11-1-0835	-	136,031	-		136,031
	Brigham and Women's Hospital, Inc.	12.420 W81XWH-08-2-0159	-	133,914	-	(2,561)	131,35
	Brigham and Women's Hospital, Inc. Broad Institute. Inc.	12.420 W81XWH-12-2-0037-P00003 12.420 W81XWH-13-1-0093	-	70,651 4,516	-	-	70,651
	Broad Institute, Inc. Children's Hospital of Boston	12.420 W81XWH-13-1-0093 12.420 W81XWH-11-2-0041	-	4,516			4,516
	Children's Hospital of Boston	12.420 W81XWH-12-1-0155	1	17,023		-	17,02
	Children's Hospital of Boston	12.420 W81XWH-12-2-0155	-	(567)	-	-	(56
	CIMIT - (Center for the Integration of Medicine and Innovative Technology)	12.420 W81XWH 09 2 0001 12.420 W81XWH-09-1-0150	-	-		10,829	10,82
	Dana Farber Cancer Institute Dana Farber Cancer Institute	12.420 W81XWH-09-1-0150 12.420 W81XWH-11-1-0379	(634)	(484)			(48
	Dana Farber Cancer Institute	12.420 W81XWH-11-1-0379	(634)	6.154			6,15
	Dana Farber Cancer Institute	12.420 W81XWH-14-2-0164	-	20,002	-		20,00
	Johns Hopkins University	12.420 W81XWH-13-2-0060	-	57,070	-	-	57,07
	Johns Hopkins University Mass General Hospital - CIMIT	12.420 W81XWH-14-2-0189 12.420 W81XWH-09-2-0001	5,100	-	-	-	5,10
	Mass General Hospital - CIMIT Massachusetts General Hospital	12.420 W81XWH-09-2-0001 12.420 W81XWH-14-1-0543	(5)				14,00
	Massachusetts General Hospital	12.420 W81XWH-14-2-0008	123,205			-	123,205
	New England School of Acupuncture	12.420 W81XWH-14-1-0533	-	18,666	-		18,666
	Northeastern University	12.420 W81XWH-14-1-0092	56,483		-	-	56,48
	President and Fellows of Harvard College President and Fellows of Harvard College	12.420 W81XWH-11-1-0529 12.420 W81XWH-14-1-0131	1,073 43,770	27,834			1,073 71,604
	Regents of the University of California	12.420 W81XWH-14-1-0131 12.420 W81XWH-12-1-0143	43,770 34,689	27,034			34.689
	Regents of the University of California	12.420 W81XWH-14-2-0176				15,724	15,724
	Regents of the University of California San Diego	12.420 W81XWH-08-2-0159	462,323		-	197,212	659,535
	Regents of the University of California San Diego Rutgers University	12.420 W81XWH-12-2-0012 12.420 W81XWH-08-2-0034	19,078	12.984	-	-	19,078 12,984
	Spaulding Rehabilitation Hospital	12.420 W81XWH-08-2-0034 12.420 W81XWH-08-2-0159	167,935	12,984			12,984
	Spaulding Rehabilitation Hospital	12.420 W81XWH-10-1-1043	107,835	29,539			29,539
	Stratatech Corporation	12.420 W81XWH-12-C-0063	-	90,168		-	90,168
	University of Alabama	12.420 W81XWH-12-1-0155	-	4,706	-	-	4,706
	University of California at San Diego University of Delaware	12.420 W81XWH-08-2-0159 12.420 W81XWH-11-2-0222	-	-	-	241,298 361,869	241,298 361,869
	University of Pittsburgh	12.420 W81XWH-12-2-0222		15,507			15,507
	University of Texas Health Science Center at Houston	12.420 W81XWH-11-1-0240	-	(1,223)	-		(1,223
	Veterans Education and Research Association of Michigan	12.420 W81XWH-11-1-0073	-	567,174	-	-	567,174
	Wake Forest University Health Sciences	12.420 W81XWH-13-2-0053 12.420 W81XWH-13-2-0054	176,405	229,479 300,176	-	-	405,884 300,176
Naval Medical Research Unit	Wake Forest University Health Sciences Charles River Analytics, Inc.	93.L SC1219801		300,176		103,456	103,456
Navy Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance	Wake Forest University Health Sciences	12.335 N66001-13-C-2027	1,031,569				1,031,569
Research and Technology Development	Massachusetts Institute of Technology	12.910 N66001-11-1-4182	39,623			-	39,623
Research on Chemical and Biological Defense Uniformed Services University Medical Research Projects	The Geneva Foundation Henry M Jackson Foundation	12.360 W911QY-14-1-0002 12.750 HU0001-11-1-0023	-		-	13,167	13,167
Department Of Defense	Henry M Jackson Foundation	12.750 H00001-11-1-0023	900,725	2,043,278		940,994	900,725
							2,,400
artment of Education		04.005 0000007				744067	
Education Research, Development and Dissemination National Institute on Disability and Rehabilitation Research	Ohio State University Boston University	84.305 60023887 84.133 H133A130023	-	-	-	744,900 19,222	744,900 19,222
National institute on Disability and Kenabilitation Research	Spaulding Rebabilitation Hospital	84.133 H133A130023 84.133 H133A120034		67.188	-	19,222	19,222 67.188
	Spaulding Rehabilitation Hospital	84.133 H133A120085	83,721	8,840			92,561
	Spaulding Rehabilitation Hospital	84.133 H133N110010-12	-	17,749		-	17,749
	TIRR Memorial Hermann	84.133 H133A130047	-			90,208	90,208
Department of Education	Trustees of Boston University	84.133 H133A130023	83,721	19,394	<u> </u>	854,330	19,394
			00,721	113,171	<u> </u>	034,330	1,001,222
artment of Health and Human Services							
ACL National Institute on Disability, Independent Living, and Rehabilitation Research	Boston University	93.433 90DP0055-01-00 93.G HHSA290201000025I	- 230 236	-	-	18,255	18,255 230,236
Agency for Healthcare Research and Quality (AHRQ)	President and Fellows of Harvard College RAND Corporation	93.G HHSA2902010000251 93.G HHSA2902010000171	230,236 70.877		-	-	230,236
Aging Research	Banner Alzheimer's Institute	93.866 1UF1AG046150-01		100,644		-	100,644
	Beth Israel Deaconess Medical Center	93.866 5R01AG041869-02	81,060		-	-	81,060
	Boston Medical Center	93.866 5P30 AG031679	197,486		-	-	197,486
	Boston University	93.866 5R01AG008122-24 93.866 5R01AG031896-04	-	168,296	-	-	168,296 (10,090
	Boston University		-	(10,090)	-	-	
	Boston University School of Medicine	93.866 5U01AG018820-12	-			22,378	22,378
			-	221,883	-	22,378 - 18,682	22,378 221,883 18,682

RESEARCH AND DEVELOPMENT AND RESEARCH TRAINING CLUSTER RESEARCH PASS-THROUGH CFDA Agency CFDA Program

Pass-Through Sponsor	CFDA #	Pass-Through Number	вжн	MGH	McLean	Other	Total
Brigham and Women's Hospital, Inc.	93.866	5P01AG015379-17		294.232			294.232
Brigham and Women's Hospital. Inc.	93.866	5P01AG015379-18		706.808			706.808
Brigham and Women's Hospital, Inc.	93.866	5R01AG027435-09		337,173			337,173
Brigham and Women's Hospital, Inc.	93.866	5R01AG042512-03	-	214,351			214,351
Broad Institute, Inc.	93.866	2R01AG030146-07	12 159	214,331			12,159
Broad Institute, Inc.	93.866	2RF1AG015819-16	10,053	-	-		10,053
				-	-		
Broad Institute, Inc.	93.866	3U01AG046152-02	26,146	-	-	-	26,146
Broad Institute, Inc.	93.866	5R01AG015819-15	(654)	-	-		(654)
Broad Institute, Inc.	93.866	5R01AG017917-11A1	12,515	-	-		12,515
Broad Institute, Inc.	93.866	5R01AG036042-05	25,507	-	-		25,507
Broad Institute, Inc.	93.866	5R01AG036836-04	8,546	-	-	-	8,546
Broad Institute, Inc.	93.866	5U01AG046152-03	386,857	-			386,857
Brown University	93.866	1UH2AG049619-01	_	124.477			124,477
California Pacific Medical Center	93.866	5R01AG026720-07	62,548				62,548
Cold Spring Harbor Laboratories	93.866	5R01AG040209-04	40,261				40,261
Columbia University	93.866	5R01AG034189-03	40,201	7,623			7,623
Hebrew Rehabilitation Center for Aged	93.866	2R01AG025037-09A1	29.181		-	-	33,547
				4,366	-		
Hebrew Rehabilitation Center for Aged	93.866	4R37AG025037-08	(11)	-	-		(11)
Hebrew Rehabilitation Center for Aged	93.866	5P01AG031720-04	7,215	-	-		7,215
Hebrew Rehabilitation Center for Aged	93.866	5P01AG031720-05	58,137	-	-	-	58,137
Hebrew Rehabilitation Center for Aged	93.866	5R01AG043440-04	-	105,554	-		105,554
Hebrew Senior Life	93.866	90065	-	-	-	-	-
Howard University	93.866	7R01AG038492-04	118,280		-	51.278	169.558
Johns Hopkins University	93.866	5R01AG042187-05		30,222		· · ·	30,222
Koronis Biomedical Technologies Corporation	93.866	2R44AG029036-02A1	-				
Massachusetts General Hospital	93.866	2P50AG005134-31	17,142			23,769	40,911
Massachusetts General Hospital	93.866	5P01AG036694-05	57.942			20,700	57,942
Massachusetts General Hospital	93.866	5R01AG034554-04	24	-	-	-	24
Massachusetts General Hospital	93.866	5U01AG034554-04	54,153	-	-		54,153
			54,153	-	-		
Massachusetts Institute of Technology	93.866	1RF1AG042978-01	-	42,071	-	-	42,071
Mayo Clinic	93.866	5U01AG045390-02	-	161,860	-		161,860
National Bureau of Economic Research	93.866	P01AG010120	21,320	-	-	-	21,320
NCIRE-The Veterans Health Research Institute	93.866	5U01AG024904-10	88,653	-	-		88,653
New York University School of Medicine	93.866	7R03AG045067-02	8,086	-	-		8,086
Northern California Institute for Research and Education	93.866	3U01AG024904-10S1	-	723	-	-	723
President and Fellows of Harvard College	93.866	116344	1,908	-			1,908
President and Fellows of Harvard College	93.866	2P01AG032952-06A1		5,421			5,421
President and Fellows of Harvard College	93.866	5P01AG032952-05		26,983			26,983
President and Fellows of Harvard College	93.866	5P01AG041710-03	14 209	20,000			14,209
President and Fellows of Harvard College	93.866	5P30Al060354-10	(5.402)				(5,402)
President and Fellows of Harvard College	93.866	5R01AG011085-22	272,067	-	-	-	272,067
				-	-		
President and Fellows of Harvard College	93.866	5R01AG033053-07	38,878	-	-	-	38,878
Regents of the University of California	93.866	5R01AG032306-05	-	(42)	-		(42)
Regents of the University of California	93.866	5R01AG038492-06	158,220	-	-		158,220
Regents of the University of California	93.866	5U01AG024904-10	23,927	-	-	-	23,927
Regents of the University of California San Diego	93.866	2U19AG010483-22	313,758	-	-		313,758
Regents of the University of California San Diego	93.866	5U19AG010483-24	206,734	-			206,734
Regents of the University of Michigan	93.866	5R01AG040138-05	_	43,638	-		43,638
Rush University Medical Center	93.866	2R01AG030146-07	308,537	· · ·			308,537
Rush University Medical Center	93.866	2RF1AG015819-16	375.517				375,517
Rush University Medical Center	93.866	5R01AG015819-15	(1,236)				(1,236)
Rush University Medical Center	93.866	5R01AG036042-05	6.038				6.038
Rush University Medical Center	93.866	5R01AG042210-04	17,158	-			17,158
			17,150	-	-	-	17,150
Skupit Inc	93.866	1R41AG047021-01	-	-	-		
Trustees of Boston University	93.866	5R01AG016495-14	-	215,773	-	44,162	259,935
Trustees of Dartmouth College	93.866	1R21AG045618-01A1	75,695	-	-		75,695
University of Connecticut Health Center	93.866	5R01AG22092-09	134,426	-	-		134,426
University of Pennsylvania	93.866	5R01AG037679-03	31	-	-		31
University of Pennsylvania	93.866	5U01AG030644-06	13,088	-	-	-	13,088
University of Pennsylvania	93.866	5U01AG032984-05	-	11,005			11,005
University of Rochester	93.866	P01AG047200-02	228 781	-			228,781
University of Washington	93,866	1R01AG042437-01A1	169.965				169,965
University of Washington	93.866	5U01AG016976-15	100,000	(67)			(67)
University of Washington - Seattle	93.866	2U01AG016976-16		39,218			39,218
Vanderbilt University	93.866	1R01AG035117-02	(187)	38,210	-	-	(187)
			(187)		-		
Washington University	93.866	2UF1AG032438-07	-	150,459	-	-	150,459
Washington University	93.866	5R01AG047644-02	-	165,981			165,981
Washington University	93.866	5U19AG032438-06	-	16,313	-		16,313
Yuma Therapeutics	93.866	2R42AG042205-02	251,352				251,352
University of Massachusetts at Worcester	93.145	5H4AHA00050-13-00	10,916				10,916
Fenway Community Health Center	93.273	5U01AA020793		7,650			7,650
President and Fellows of Harvard College	93.273	5R01AA012974-14	-	42,523			42,523
Trustees of Boston University	93.273	5R01AA007112-26	-	(133)			(133)
Benaroya Research Institute at Virginia Mason	93.855	1UM1AI109565-01	-	19,141			19,141
Benaroya Research Institute at Virginia Mason	93.855	5UM1AI109565-02	100,610	5,745,794			5,846,404
	55.555		100,010	0,140,104			0,010,104

AIDS Education and Training Centers Alcohol Research Programs

Allergy, Immunology and Transplantation Research

RESEARCH AND	DEVELOPMENT AND RESEARCH TRAINING CLUSTER	
RESEARCH PASS	S-THROUGH	
CFDA Agency	CFDA Program	

Pass-Through Sponsor	CFDA #	Pass-Through Number	BWH	MGH	McLean	Other	Total
Beth Israel Deaconess Medical Center	93.855	2UM1AI069412-08	2,378	58,481			60,859
Beth Israel Deaconess Medical Center	93.855	5U01AI102427-04	· · · · ·	78,861			78,861
Beth Israel Deaconess Medical Center	93.855	5U19AI096040-03	167,063	· · · ·		-	167,063
Beth Israel Deaconess Medical Center	93.855	5UM1AI069412-07	1,917			-	1,917
Beth Israel Deaconess Medical Center	93.855	5UM1AI069412-09	971,675	464,692		-	1,436,367
Brigham and Women's Hospital, Inc.	93.855	1R01AI108538-01A1	-	103,135		-	103,135
Brigham and Women's Hospital, Inc.	93.855	1R21AI114448-01	-	38,715	-		38,715
Brigham and Women's Hospital, Inc.	93.855	1UM1AI106701-01	-	90,672		-	90,672
Brigham and Women's Hospital, Inc.	93.855	2UM1AI068636-08	-	272,780		-	272,780
Brigham and Women's Hospital, Inc.	93.855	2UM1AI068636-09	-	25,361	-		25,361
Brigham and Women's Hospital, Inc.	93.855	5U01AI063623-09	-	(3,767)		-	(3,767)
Brigham and Women's Hospital, Inc.	93.855	5UM1AI068636-09	126,914	531,851	-	-	658,765
Brigham and Women's Hospital, Inc.	93.855	7UM1AI068636-07	-	(722)		-	(722)
Brigham and Women's Hospital, Inc.	93.855	UM1AI068636-08		24,386		-	24,386
Broad Institute, Inc. Broad Institute, Inc.	93.855 93.855	1R01Al117043-01 1R21Al112704-01	5,584	21,675 24,847		-	27,259 24 847
Broad Institute, Inc. Broad Institute, Inc.	93.855	2015-MGH-1	-	24,847 18,330		-	24,847 18,330
Broad Institute, Inc.	93.855	2015-MGH-1 2015-MGH-49	-	135.877			135.877
Broad Institute, Inc.	93.855	4R33Al098705-03	-	135,677	-		12,419
Broad Institute, Inc.	93.855	4R35Al096705-03	-	9.377			9.377
Broad Institute, Inc.	93.855	U19AI110818	-	2,861			2,861
Broad Institute, Inc.	93.855	WU-14-266 / 1U19AI109725	-	12,419			12,419
Centre for the AIDS Programme of Research	93.855	1R01AI111936 -02		21.478			21,478
Children's Hospital of Boston	93.855	1R21AI119457-01		3.552			3.552
Children's Hospital of Boston	93 855	5R01AI099204-03	224 117	-			224 117
Children's Hospital of Boston	93.855	5R01AI100114-04	210,269				210,269
Columbia University	93 855	5R01AI064569-09		31.057			31.057
Columbia University	93.855	5R01Al084903-05		41,486			41,486
Dana Farber Cancer Institute	93.855	5P01AI045757-16	373.417				373.417
Dana Farber Cancer Institute	93.855	5R01AI101897-04	575,417	97,397			97,397
Enumeral Biomedical Corp	93.855	A221556	-	950			950
FHI 360	93.855	UM1AI068619	60.323				60.323
Fraunhofer CMI	93.855	5R01Al090815-05	130.892	-	-		130,892
Fraunhofer CMI	93.855	5R01AI101446-03	165,278				165,278
Fred Hutchinson Cancer Research Center	93.855	5UM1AI068614-07	(1,255)	-	-	-	(1,255)
Fred Hutchinson Cancer Research Center	93.855	5UM1AI068614-09	531,982				531,982
Georgetown University	93.855	5U01AI034994-18	(295)				(295)
GHESKIO Centers	93.855	5UMIAI069421-09	70,466	-	-	-	70,466
Harvard Medical School	93.855	5P01AI054904-10		35,041		-	35,041
Harvard Medical School	93.855	5P01AI056299-09	(405)	-	-		(405)
Harvard Medical School	93.855	5P01AI056299-10	(5,779)	-	-		(5,779)
Harvard Medical School	93.855	5U19AI109740-02	484,392			-	484,392
Harvard Medical School	93.855	5U19AI109764-02	66,378			-	66,378
Harvard Medical School	93.855	5U54AI057159-10	6,138	-	-		6,138
Harvard Medical School Centers for Aids Research	93.855	5P30AI060354-10	-	(13,049)		-	(13,049)
Harvard School of Public Health	93.855	1U01AI114235-01	11,433	-	-	-	11,433
Harvard School of Public Health	93.855	5UM1AI068616-07	(2,252)	· ·		-	(2,252)
Harvard School of Public Health	93.855	5UM1AI069456-09	69,350	· ·		-	69,350
Harvard University Center for Aids Research	93.855	5P30AI060354-10	-	13,535	-		13,535
Institute for Clinical Research, Inc.	93.855	1U01Al068641	248			-	248
Integrated BioTherapeutics, Inc	93.855	1R43Al098232-01	22,460	-	-	-	22,460
Integrated BioTherapeutics, Inc	93.855	1R43Al106162-01A1	38,441	-	-	-	38,441
Lovelace Respiratory Research Institute	93.855	1R01AI111475-01	173,136			-	173,136
Mass General Hospital - CIMIT	93.855	5UM1AI069472-07	(5,509)	-	-	-	(5,509)
Massachusetts Eye and Ear Infirmary	93.855	5P01AI083214-08	-	445,926	-	-	445,926
Massachusetts General Hospital	93.855	1R01Al099243-03	159,789	•		-	159,789
Massachusetts General Hospital	93.855	1U01AI117841-01	22,141	-	-	-	22,141
Massachusetts General Hospital Massachusetts General Hospital	93.855 93.855	2R01Al042006-19 5R01Al037691-20	13,353			-	13,353 12 875
			12,875	-	-	-	
Massachusetts General Hospital Massachusetts General Hospital	93.855 93.855	5R01Al058736-11 5R21Al110264-02	54,646 10,620	-	-	-	54,646 10,620
						-	
Massachusetts General Hospital Massachusetts General Hospital	93.855 93.855	5R37A1042006-18 5R37AI042006-18	36,561 54 577	-	-	-	36,561 54,577
			54,577		-	-	
Massachusetts Institute of Technology Medical Research Council of South Africa	93.855 93.855	1R01AI111860-01 1R01AI099603-02	(71,724)	246,798	-	-	246,798 (71,724)
Medical Research Council of South Africa Microbiotix, Inc	93.855	1R01Al099603-02 1R41Al118037-01	(71,724) 86.349			-	(71,724) 86.349
Minitube of America. Inc	93.855	5R42AI082853-06	86,349	264,703	-		264,703
Munitabe of America, inc Mount Sinai Medical Center	93.855	5U01A063594-09	(1,323)	264,703	-		(1,323)
Mount Sinai Nedical Center Mount Sinai School of Medicine	93.855	5U01Al063594-09 5U01Al063594-10	(1,323)	276	-		276
National Jewish Health	93.855	5U01Al097073-03	214,192	2/0			214,192
Ohio State University	93.855	R21AI095987	(1.278)	-	-	-	(1,278)
Oregon Health & Science University (OHSU)	93.855	5U01Al095776-04	(1,278) 108.272	-	-		108.272
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Osel, Inc. President and Fellows of Harvard College	93.855	1R56AI104974-01A1	191 76,406				76,406
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President and Fellows of Harvard College	93.855	2P01AI056299-11	487,215	143,703			630,918
President and Fellows of Harvard College	93.855	2P30AI060354	407,215	94,166	-	-	94 166
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<ul> <li></li></ul>		President and Fellows of Harvard College	93 855 5P01AI056299-10	(27.763)				(27.763)
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Regents of the University of Michigan93.6458014A8057837-0276.72867.2732Stantord University93.6476014A8057837-02 $(4167)$ 6.27.352Stantord University93.6476014A8057837-02 $(4167)$ 6.23.287Stantord University93.6476014A8057837-02 $(4167)$ 2.32.87Stantord University150466693-023.28.76.25.28Stantord University150466693-023.28.76.25.28Tufts Medical Center, Inc.93.641801A806597-01A12.9.682.1.07University of California at San Francisco93.641801A806541-012.1.19University of Michigan93.645801A805641-01 <td></td> <td></td> <td></td> <td>106,353</td> <td></td> <td></td> <td>34</td> <td></td>				106,353			34	
Standerd University       93.86       5R014R05787-02       227.82       -       -       227.82         Standerd University       93.86       7R014R05787-02       (16.77)       -       -       24.84         Standerd University       93.86       7R014R05787-02       (16.77)       -       -       23.87       -       26.985         Standerd University       50.866       R014R05677-0141       12.076       -       -       25.985         Tuffs Medical Center, Inc.       93.86       R014R05677-0141       12.076       -       -       12.076         University       Colorado       93.84       R014R05677-0141       12.076       -       -       2.12.97         University       Colorado       93.84       R014R05677-0141       12.076       -       -       2.12.97         University       Colorado       93.84       R014R05207-031       -       12.97       -       -       2.12.97         University       Colorado       93.84       SR014R05208-063       -       17.92       -       -       7.12.97         University       Colorado       93.84       SR014R05208-063       -       17.42       -       -       7.17.42       -       -			93.846 5R21AR065968+02				-	
Sharlord University       93.64       78014A805593-02       (41.677)       -       -       (41.677)         Superconducting Systems, Inc.       93.64       78014A805593-02       -       23.87       -       -       23.287         Tuths Medical Center, Inc.       93.64       18014R06597-01A1       26.985       -       -       26.287         Tuths Medical Center, Inc.       93.64       18014R06597-01A1       26.985       -       -       26.287         University of California stam Francisco       93.64       18014R06541-01       -       12.076       -       21.2076         University of Michigan       93.64       87014R05264-03       (46.53)       -       -       6.12.076         University of Michigan       93.64       87014R05266-03       (46.53)       -       -       6.16       -         University of Michigan       93.64       87014R05206-03       (46.53)       -       16.96       -       175.42       -       -       175.42       -       175.42       -       175.42       -       175.42       -       175.42       -       175.42       -       175.42       -       175.42       -       175.42       -       175.42       -       175.42       - </td <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td>					-			
Superconducting Systems, Inc.       98.46       48444A06509-0.2       -       32.87       -       42.835         Inthe Medical Center, Inc.       93.46       R01AR06537401A1       12.076       -       -       12.026         University of Colorado       93.46       R01AR06537401A1       12.076       -       -       12.026         University of Colorado       93.46       R01AR06537401A1       12.076       -       -       12.076         University of Colorado       93.46       R01AR06537401A1       -       2.10       -       -       2.112         University of Colorado       93.46       R01AR06537401A1       -       2.10       -       -       2.112       -       -       2.112       -       -       2.112       -       -       2.112       -       -       2.112       -       -       2.112       -       -       2.121       -       -       2.121       -							-	
Turbs Medical Center, Inc.       93.64       1001AR005377-01A1       26.95       -       -       26.265         Turbs Medical Center, Inc.       93.64       101AR005377-01A1       20.07       -       12.076       -       12.076         Turbs Medical Center, Inc.       93.64       101AR005377-01A1       12.076       -       12.076       -       12.076         University of California t3Gan Francisco       93.64       101A15416       -       21.919       -       16.916       -       16.916       -       17.914       -       17.914       -       17.914       -       17.914       -       17.914       -       17.914       -       17.914       -       17.914       -       17.914       -				(41,677)			-	
Turks       Brid Angeodry Contract       93.84       R01/ANGEOST/OP1A1       12,076       -       12,076         University of Colorado       93.84       R01/ANGEOST/OP1A1       -       (12,07)       -       (12,07)         University of Colorado       93.84       R01/ANGEOST/OP1A1       -       2,119       -       2,129       -       2,129       -       2,129       -       2,169       -       1,665       -       1,665       -       1,665       -       1,665       -       1,665       -       1,665       -       1,665       -       1,67,462       -		Superconducting Systems, Inc.		-	32,387			
University of California tSan Francisco       93.46       NO1A115416       -       (11,27)       -       (11,27)         University of Michigan       93.46       SR01ARD62641-01       -       2,119         University of Michigan       93.46       SR01ARD6206-03       (46,53)       -       -       6,163         University of Michigan       93.46       SR01ARD6206-03       (46,53)       -       -       6,166         University of Michigan       93.46       SR01ARD6206-03       -       16,162       -       172,142       -       -       172,42       -				26,985				26,985
University of Colorado       93.84       5001AP06206-03       4,653       -       -       2,119       -       2,169       -       4,653       -       -       4,653       -       -       4,653       -       166       -       166       -       166       -       166       -       166       -       166       -       166       -       166       -       167,422       -       172,42       -       173,42       -       174,42       -       174,42       -       174,42       -       174,42       -				12,076	-			
University of Michigan       93.64       \$R014R02066-03       (4.653)       -       -       (4.653)         University of Michigan       93.64       \$R014R02066-03       -       166       -       166         University of Minnesota       93.64       \$R014R02066-03       -       12,142       -       -       172,142         University of Minnesota       93.64       \$R014R02070-03       -       172,42       -       172,42         University of Stouth Carolina       93.64       \$R02701-3701       -       7,582       -       7,5742         Guil Coast Jewish Family Services, Inc.       93.05       927013701       -       7,582       -       7,578         Biomedical Research Training       Beth Isreel Deconses Medical Center       93.85       \$R016M07394-00       -       7,802       -       7,802         Bindpan and Women's Hospital, Inc.       93.85       \$R016M07394-00       -       7,802       -       7,802       -       7,802       -       7,802       -       7,802       -       7,802       -       7,802       -       7,802       -       7,802       -       7,802       -       7,802       -       7,802       -       7,802       -       7,802				-		-	-	
University of Michigan         93.84         5R01/4R06206-04         166         -         166           University of Michigan         93.84         5R01/4R062070-03         172,142         -         157,492           University of South Carolina         93.84         5R56AR063745-02         157,492         -         157,492           University of South Carolina         93.84         5R56AR063745-02         157,492         -         157,492           Assistance for Torture Victims         Gulf Coast Jewish Family Services, Inc.         93.80         92/013/701         75,758         -         75,789           Biomedical Research Training         Berh Israel Deaconess Medical Center         93.89         SP01/KN07384-00         18,798         -         18,798           Biomedical Research Training         Bridge 12 Technologies Inc         93.89         SP01/KN07384-00         18,792         -         78,022           Bridge 12 Technologies Inc         93.89         SP01/K0108735-01         2,292         -         2,329				-	2,119			
University of Minnesota         93.46         \$R5014R02070-03         -         172,142         -         172,142           University of South Carolina         93.64         \$R56RAR05374-02         157,442         -         172,142           University of South Carolina         93.64         \$R56RAR05374-02         157,442         -         75,768         -         76,7263				(4,653)	-			
University of South Carolina         93.84         5R56AP603745-02         157,492         -         -         157,492           Guil Coast Jewish Family Services, Inc.         93.604         902/10137/01         75,78         -         75,758           Assistance for Torture Victims         Beth Israel Deaconess Medical Center         93.89         5010(M073894-08)         18,78         -         18,789           Biomedical Research Training         Bridge 12 Technologies Inc         93.89         500(M0073894-08)         18,798         -         78,022         -         78,022           Bridgemand Wheren's Hospital, Inc.         93.89         500(M007354-10)         2,292         -         2,329				-			-	
Guil Coast Jewish Family Sarvices, Inc.         98.06         92/D113/D1         -         75,78         -         75,78           Assistance for Torture Victims         Beth Isreel Deaconess Medical Center         93.85         9K01K0M72384-06         17,88         -         18,788           Biomedical Research Training         Bridge 12 Technologies Inc         93.85         9K01K0M72394-06         -         76,022         -         78,022           Bigham and Women's Hospital, Inc.         93.85         9K01K0873-01         -         2,229         -         78,022				-	172,142	-	-	
Assistance for Torture Victims         Beth Israel Deaconess Medical Center         93.859         5R01/GM07384-081         18,788         -         18,789           Biomedical Research and Research Training         Bridge 12 Technologies Inc         93.859         1R43GM10875-01         7.0.02         -         7.8,02         - </td <td></td> <td></td> <td></td> <td>157,492</td> <td>-</td> <td></td> <td></td> <td></td>				157,492	-			
Biomedical Research Training         Bridge 12 Technologies Inc         93.85         1843GM110875-01         78.022         -         78.022         -         78.022         -         78.022         -         78.022         -         78.022         -         78.022         -         78.022         -         28.022         -         28.022         -         28.022         -         28.022         -         28.022         -         28.022         -         28.022         -         28.022         -         28.022         -         28.022         -         28.022         -         28.022         -         28.022         -         28.022         -         28.022         -         -         28.022         -         -         28.022         -         -         28.022         -         -         28.022         -         -         28.022         -         -         28.022         -         -         28.022         -         -         28.022         -         -         28.022         -         -         28.022         -         -         28.022         -         -         28.022         -         -         28.022         -         -         28.022         -         -         -				-	75,758			
Brigham and Women's Hospital, Inc. 93.859 5P01GM061354-10 2,929 2,929 2,929				18,798	-			
	Biomedical Research and Research Training			-			-	
Broad Institute, Inc. 93.859 5U01GM092691-05 1,831 1,831				-	2,929			
		Broad Institute, Inc.	93.859 5U01GM092691-05	1,831	•	-	-	1,831

The accompanying notes are an integral part of this schedule.

RESEARCH AND D RESEARCH PASS-	DEVELOPMENT AND RESEARCH TRAINING CLUSTER								
	CFDA Program	Pass-Through Sponsor	CFDA #	Pass-Through Number	BWH	MGH	McLean	Other	Total
		Broad Institute, Inc.	93.859	R01GM077465	-	33,729			33,729
		Children's Hospital of Boston	93.859	5R01GM104303-02	-	39,169			39,169
		Dana Farber Cancer Institute	93.859	5R01GM107427-02	-	319,297	-	-	319,297
		Dana Farber Cancer Institute Harvard School of Public Health	93.859 93.859	7R01GM103552-07 5U54GM088558-05	- 743	21,629	-	-	21,629 743
		Massachusetts Institute of Technology	93.859 93.859	1R01GM101420-01A1	743	-			743
		Massachuseus institute of recimology Mayo Clinic	93.859	5U19GM061388-15		11.859	199.392		211,251
		President and Fellows of Harvard College	93.859	1R01GM116525-01	-	4,548			4,548
		President and Fellows of Harvard College	93.859	3R01GM083303-07S1	-	65,076			65,076
		President and Fellows of Harvard College	93.859	5P01GM047467-23	-	358,606	-	-	358,606
		President and Fellows of Harvard College	93.859	5P01GM099117	(4,088)			-	(4,088)
		President and Fellows of Harvard College President and Fellows of Harvard College	93.859 93.859	5P01GM099117-03 5P01GM099177-04	- 102.496	(11,458)	-	-	(11,458) 102,496
		President and Fellows of Harvard College	93.859 93.859	5P50GM107618-02	102,496	10,553			102,496
		President and Fellows of Harvard College	93.859	5R01GM098549-03	0,487	94,977	-		94,977
		Tufts Medical Center, Inc.	93.859	R01GM088470-05	-	(7,807)	-		(7,807)
		University of California at San Diego	93.859	2R01GM032373-31A1	14,887	-		-	14,887
		University of Mississippi Medical Center	93.859	1R01GM103799	35	-		-	35
		University of Pittsburgh	93.859	3R01GM097471-04	-	11,106			11,106
		University of Pittsburgh	93.859	5R01GM097471-03	-	10,637			10,637
		University of Pittsburgh	93.859	5R01GM097471-04	61,519		-	-	61,519
		University of Pittsburgh	93.859	5R01GM101197-02	45,104	-	-	-	45,104
		University of Southern California Beth Israel Deaconess Medical Center	93.859 93.839	5U24GM104203-05 5R01HL092125-05	(271)	(2,216)		-	(2,216) (271)
	Blood Diseases and Resources Research	Boston Medical Center	93.839	2U54HL070819-08	(14,749)				(14,749)
	blog biseases and resources research	Brigham and Women's Hospital, Inc.	93.839	5R01HL116854-02	(14,745)	98,292			98,292
		Brown University	93.839	1U01HL114476-03	_	170 332		-	170.332
		Children's Hospital of Boston	93.839	5P01HL032262-34	232.350	-	-		232,350
		Children's Hospital of Boston	93.839	5P01HL095489-05	431,641	-		-	431,641
		Children's Hospital of Boston	93.839	5R01HL069990-11	41,797				41,797
		Children's Hospital of Boston	93.839	5U01HL117720-03	311,923				311,923
		Dana Farber Cancer Institute	93.839	5P50HL110790-03	283,468		-	-	283,468
		Dana Farber Cancer Institute	93.839 93.839	U01HL69249 5R01HI 101382-04	-	311	-	-	311 1 987
		Duke University National Marrow Donor Program	93.839 93.839	U01HL101382-04	-	1,987 (6,129)			(6,129)
		New England Research Institute. Inc.	93.839	U01HL065238	6 157	(0,129)			(6,129)
		New England Research Institute, Inc.	93.839	U01HL072268	6,157	(89)			(89)
		University of Massachusetts Medical School	93.839	1R01HL125089-01	110,864	(05)			110,864
		Washington University	93.839	5U01HL088476-04		17.528	-		17,528
		Brigham and Women's Hospital, Inc.	93.396	5P01CA120964-09	-	168,689		-	168,689
	Cancer Biology Research	Brigham and Women's Hospital, Inc.	93.396	5U01CA084301-15	-	90			90
		Broad Institute, Inc.	93.396	5U24CA180922-03	37,068				37,068
		Dana Farber Cancer Institute	93.396	2R01CA042368-29A1	4,914		-	-	4,914
		Dana Farber Cancer Institute Dana Farber Cancer Institute	93.396 93.396	2R01CA131945-06A1 5P01CA080111-17	86,275			-	86,275
		Dana Farber Cancer Institute Dana Farber Cancer Institute	93.396 93.396	5P01CA080111-17 5R01CA151898-05	18,181 8,652	•		-	18,181 8,652
		Georgetown University	93.396	5R01CA151698-05 5R01CA170653-03	82,972				82,972
		Indiana University	93.396	5R01CA155332-04	02,572	43,123			43,123
		inVicro	93.396	5R44CA157090-04	-	304,700	-		304,700
		Johns Hopkins University	93.396	5R01CA142691-05	23,283	-		-	23,283
		Massachusetts General Hospital	93.396	5U19CA179563-03	342,698	-	-	-	342,698
		MD Anderson Cancer Center	93.396	5P01CA117969-10	-	109,837			109,837
		Molecular Insight Pharmaceuticals, Inc	93.396	2R44CA157090-02	-	1,073			1,073
		Mount Sinai School of Medicine	93.396	5P01CA080058-15 5R01CA092433-13		142,188	-	-	142,188
		President and Fellows of Harvard College Regents of the University of California	93.396 93.396	5R01CA092433-13 5R01CA172667-03	19,654 66,328	•		-	19,654 66,328
		Scripps Research Institute	93.396	2R01CA132630-03	101.693				101,693
		University of California at Irvine	93.396	1R01CA190964-01	101,000	201.086	-		201,086
		University of Pennsylvania	93.396	3U01CA143056-04	-	(11)			(11)
		University of Texas Southwestern Medical Center	93.396	5U01CA141576-05	-	(20,511)			(20,511)
		University of Texas, MD Anderson Cancer Center	93.396	5P01CA117969-10	-	383,832			383,832
		University of Wisconsin - Madison	93.396	5U01CA141583-05	(23)				(23)
		Vanderbilt University	93.396	5R01CA151566-05	-	(4,625)	-	-	(4,625)
		Washington University	93.396	5P01CA101937-12		420,802			420,802
	Cancer Cause and Prevention Research	Baylor College of Medicine Beth Israel Deaconess Medical Center	93.393 93.393	5R01CA139020-05 5R01CA170549-03	118,923 222,352			-	118,923 222,352
	Carlee Cause and Prevention Research	Brigham and Women's Hospital. Inc.	93.393	5R01CA160679-03	222,302				222,002
		California Pacific Medical Center	93.393	5R21CA158808-02	10,430		64,211		74,641
		Dana Farber Cancer Institute	93.393	1R03CA188140-01	-	27,761		-	27,761
		Dana Farber Cancer Institute	93.393	5R01CA151993-05	80,857	-		-	80,857
		Dana Farber Cancer Institute	93.393	5R21CA177233-02		6,084		-	6,084
		Fred Hutchinson Cancer Research Center	93.393	1U01CA182940-01		174,429			174,429
		Fred Hutchinson Cancer Research Center	93.393	1U24CA180996-01A1	127,272	-		-	127,272
		Fred Hutchinson Cancer Research Center Fred Hutchinson Cancer Research Center	93.393 93.393	2U01CA137088-05 5R01CA176272-03	201,163	- 70.907		-	201,163 70,907
		Fred Hutchinson Cancer Research Center Fred Hutchinson Cancer Research Center	93.393 93.393	5R01CA176272-03 5U01CA164930-03	90.095	70,907	-	-	70,907 90.095
		Harvard School of Public Health	93.393 93.393	5R01CA164930-03 5R01CA050385-25	90,095			-	10,095
		IGI Technologies, Inc.	93.393	5R42CA137886-03	83.319				83,319
		International Agency for Research on Cancer	93.393	5U01CA155340-03	66,643				66,643
		Johns Hopkins University	93.393	5R01CA054358-21	-	18,959	-	-	18,959
		Kaiser Foundation Research Institute	93.393	UM1CA1736-02	1,394			-	1,394
		Massachusetts Institute of Technology	93.393	7R01CA160860-03	133,473		-	-	133,473
		Mayo Clinic Rochester	93.393	5R01CA140286-05	16,542			-	16,542

CFDA Program	Pass-Through Sponsor	CFDA #	Pass-Through Number	BWH	MGH	McLean	Other	Tota
	Memorial Sloan-Kettering Institute Cancer Center	93 393	5U01CA152959-04		95.170			
	Ohio State University	93.393	5P01CA163205-03	434,704				
	President and Fellows of Harvard College	93.393	1R03CA173785-01A1	11,732				
	President and Fellows of Harvard College	93.393	2R01CA050385-26A1	158,591			-	
	President and Fellows of Harvard College	93.393	5R01CA050597-18	12,145				
	President and Fellows of Harvard College	93.393	5R01CA179129-03	-	15,738		-	
	President and Fellows of Harvard College	93.393	5R33CA174560-03	-	87,026	-	-	
	President and Fellows of Harvard College	93.393	5U19CA148065-04	38,912	•	-	-	
	President and Fellows of Harvard College	93.393	5UM1CA167552-03	274,773			-	
	President and Fellows of Harvard College Regents of the University of Michigan	93.393 93.393	5UM1CA176726-03 1R21CA172892	1,978,606 13,583		-	-	
			5R01CA152192-05		-		-	
	Regents of the University of Michigan Temple University	93.393 93.393	1R01CA158361-01A1	83,854	(201)			
	Trustees of Dartmouth College	93.393	1P01CA154292-01A1	112.545	(201)			
	Trustees of Dartmouth College	93.393	U19CA148127-03	(3.899)				
	Trustees of Indiana University	93.393	1R03CA188568-01	11,912				
	Trustees of Indiana University	93.393	7R03CA167741-03	18,541		-	-	
	University of Colorado at Denver	93.393	5R01CA181207-02	· · · · ·	83,015	-		
	University of Hawaii	93.393	5P01CA168530-03	867,840	· · · ·		-	
	University of Maryland	93.393	5R01CA163018-03	-	(24,819)		-	
	University of Maryland	93.393	7R01CA163018-04	15,045		-	-	
	University Of Massachusetts	93.393	5R01CA166666-04	250,920			-	
	University of Massachusetts at Amherst	93.393	5R03CA186228-02	21,092		-	-	
	University of Massachusetts at Amherst	93.393	5U01CA049449-25	264,610			-	
	University of Pennsylvania	93.393	5R01CA133004-05	-	139,461		-	
	University of Pittsburgh	93.393	5R01CA141596-05	-	(6,033)	-	-	
	University of Rochester	93.393	1R01CA157823-01A1	16,811		-	-	
	University of Vermont	93.393	1R21CA137650-01A2	6,077				
	University of Washington Vanderbilt University	93.393 93.393	5R01CA173754-03 7R01CA141596-06	-	45,989 18,634		-	
	Beth Israel Deaconess Medical Center	93.393	5P50CA101942-10	79,481	18,634 (10,374)	-	-	
Cancer Centers Support Grants	Brigham and Women's Hospital. Inc.	93.397	5P50CA105009-05	79,461	(10,374) 6.249			
Cancer Centers Support Grants	Dana Farber Cancer Institute	93.397	1U54CA156732-05	-				
	Dana Farber Cancer Institute	93.397	2P50CA127003-06A1	22.063	14,938 68,950			
	Dana Farber Cancer Institute	93.397	3P30CA006516-50S2	22,003	53,879			
	Dana Farber Cancer Institute	93.397	5P30CA006516-48	(1,792)	55,678			
	Dana Farber Cancer Institute	93.397	5P30CA006516-50	1,264,382	1,392,237			
	Dana Farber Cancer Institute	93 397	5P50CA090381-12	113 185	13.507			
	Dana Farber Cancer Institute	93 397	5P50CA090381-13	31,367	-			
	Dana Farber Cancer Institute	93.397	5P50CA090578-10		(1,993)			
	Dana Farber Cancer Institute	93.397	5P50CA127003-07	178,794	247.393			
	Dana Farber Cancer Institute	93.397	5P50CA127003-08	· · · ·	312.531			
	Dana Farber Cancer Institute	93.397	5P50CA168504-02	109,660	69.887			
	Dana Farber Cancer Institute	93.397	5U54CA156732-04	-	(4,111)	-	-	
	Dana Farber Cancer Institute	93.397	P50CA127003-06A1	-	(102)		-	
	Dana Farber Cancer Institute	93.397	W81XWH-13-1-0029	98,492		-	-	
	Dana Farber/Harvard Cancer Center	93.397	2P50CA090381-13	15,013			-	
	Dartmouth College	93.397	5U54CA163307-04	314,697		-	-	
	Dartmouth College	93.397	U54CA163307-02	177,241	•	-	-	
	Harvard School of Public Health	93.397	5U54CA155626-03 2P50CA098252-11	(131)				
	Johns Hopkins University Massachusetts General Hospital	93.397 93.397	2P50CA098252-11 5P50CA165962-02	86 567	1,475	-	-	
		93.397	5P50CA165962-02 5P50CA165962-03		-			
	Massachusetts General Hospital Massachusetts Institute of Technology	93.397	5U54CA143874-05	17,951 (52,480)		-	-	
	Massachusetts Institute of Technology Massachusetts Institute of Technology	93.397	5U54CA143874-05 5U54CA151884-05	(52,480) 66,139	450.793	-	-	
	Massachusetts Institute of Technology	93.397	U54CA151884	66,139	450,793 82,948			
	Mayo Clinic	93.397	5P50CA116201-09		79,158			
	MD Anderson Cancer Center	93 397	5U54CA163125-05	-	180,204			
	President and Fellows of Harvard College	93.397	1U54CA155626-04	377.842				
	President and Fellows of Harvard College	93.397	5U54CA155626-03	24.444	-			
	President and Fellows of Harvard College	93.397	5U54CA155626-05	237,582	56,540	-	-	
	SARC	93.397	5U54CA168512-02	-	31,013	-	-	
	SARC	93.397	5U54CA168512-03	150,613	32,392	-		
	University of Pennsylvania	93.397	5U54CA163313-05	-	352,876	-	-	
	University of Pittsburgh	93.397	5P50CA121973-07	-	67,904		-	
	University of Texas, MD Anderson Cancer Center	93.397	1U54CA163125-01	-	(5,586)	-	-	
	University of Texas, MD Anderson Cancer Center	93.397	5U54CA163191-05	-	307,050	-	-	
	Washington University	93.397	5P50CA171963-03	-	67,062		-	
	Washington University	93.397	5U54CA155496-04	21,164	· · ·		-	
00	Arizona State University	93.399	5U01CA117374-10		99,681	-	-	
Cancer Control	Dana Farber Cancer Institute	93.399	5P50CA148596-05 1UG1CA189823-01	10,999		-	-	
	Mayo Clinic	93.399		93,044	-		-	
	President and Fellows of Harvard College	93.399	5P50CA148596-05	37,966		-	-	
	University of Texas, MD Anderson Cancer Center	93.399 93.399	2P50CA083639-14 5P50CA083639-14	-	76,322		-	
Conner Detection and Discounts	University of Texas, MD Anderson Cancer Center			-	(4,753)		-	
Cancer Detection and Diagnosis Research	American College of Radiology Imaging Network (ACRIN)	93.394 93.394	5U01CA080098-10 CA181275-01A1	-	(113)		-	
	Baylor College of Medicine Board of Trustees of the University of Illionois (The)	93.394 93.394	CA181275-01A1 CA177462A	-	59,080		-	
	Board of Trustees of the University of Illionois (The) Brigham and Women's Hospital. Inc.	93.394 93.394	CA177462A 2R01CA120528-09	60,310	44 631		-	
				-			-	
	Brigham and Women's Hospital, Inc.	93.394	5R01CA120528-10	-	18,841		-	
	Brigham and Women's Hospital, Inc. Broad Institute Inc.	93.394 93.394	5U24CA180918-03 5U24CA160034-05	-	146,851 112,652		-	
	Broad Institute, Inc. CorticoMetrics, LLC	93.394 93.394	5U24CA160034-05 1R41CA183150-01A1	-	112,652 62,008		-	

ASS-THROUGH CFDA Program	Pass-Through Sponsor	CFDA # I	Pass-Through Number	BWH	MGH	McLean	Other	То
	Dana Farber Cancer Institute	93.394	1U01CA190234-01	5.989		-		
	Dana Farber Cancer Institute	93.394	1U24CA194354-01	18,224		-		
	Dana Farber Cancer Institute	93.394	5R01CA114465-09	57,435	35,761	-		
	Dana Farber Cancer Institute	93.394	5R01CA161026-04	36.680			-	
	Dana Farber Cancer Institute		5R01CA170592-04	21,665	-			
	Dana Farber Cancer Institute		5R01CA175732-02	20,431	-		-	
	Dana Farber Cancer Institute		5R21CA167800-02	10.365				
	Fred Hutchinson Cancer Research Center	93.394	5P01CA091955-10	(17,105)	-		-	
	IQ Medical Imaging LLC	93.394	1R41CA192600-01A1	(,	9,038		-	
	IQ Medical Imaging LLC		A222465.01		84,665			
	Massachusetts General Hospital		5R01CA115746-08	118,156	04,000			
	New York University School of Medicine		1R01CA178949-01	117.280	-		-	
	Northeastern University		5U01CA151452-05		93.649		-	
	Ohio State University		5R01CA134451-06		30,743			
	Physical Sciences, Inc.	93.394	1R41CA192446-01	33,317	55,745			
	Robin Medical Inc		1R43CA193134-01	33,317	34.863			
	Sloan Kettering Institute for Cancer Research		1R01CA182076-01A1	-	38,239	-		
	University of Texas Health Science Center at San Antonio	93.394	3U01CA086402	-	102 449		-	
			3001CA086402 U01CA086402	-		-	-	
	University of Texas Health Science Center at San Antonio				144,633	-	-	
	University of Texas Southwestern Medical Center		5R01CA154475-04	51,944	-	-	-	
	Washington University		1U24CA196171-01	27,622	-	-	-	
	Washington University		HHSN261201000061C	12,700	-	-	-	
	Massachusetts General Hospital		5R25CA181000-02	5,201	-	-	-	
Cancer Research Manpower	President and Fellows of Harvard College		5T32CA009001-39	42,827	-	-	-	
	American College of Radiology Imaging Network (ACRIN)		5U01CA080098-14	-	240	-	-	
Cancer Treatment Research	Beth Israel Deaconess Medical Center	93.395	5R01CA152330-03	(3,762)	-	-	-	
	Beth Israel Deaconess Medical Center		5R01CA183605-03	-	30,426		-	
	Boston University	93.395	5R01CA149561-03	183,776	-		-	
	Brigham and Women's Hospital, Inc.		7U01CA031946-29	-	61,461	-	-	
	Children's Hospital of Boston		5R01CA158467-04	96,554	-	-	-	
	Children's Hospital of Philadelphia (The)		1U10CA180886	-	713	-	-	
	Dana Farber Cancer Institute	93.395	1R01CA178264-01A1		32,690	-	-	
	Dana Farber Cancer Institute		1U10CA180867-02	8,018	-		-	
	Dana Farber Cancer Institute	93.395	1UM1CA186709-01	-	328,557		-	
	Dana Farber Cancer Institute	93.395	5P01CA142536-04	31,968	-	-	-	
	Dana Farber Cancer Institute	93.395	5P01CA142536-05	9,999	-		-	
	Dana Farber Cancer Institute	93.395	5P01CA154303-04	-	56.419		-	
	Dana Farber Cancer Institute	93.395	5R01CA135257-08	-	41.284		-	
	Dana Farber Cancer Institute		5R01CA140594-07		210.194		-	
	Dana Farber Cancer Institute		5U10CA180867-02	_	132.818		-	
	Dana Farber Cancer Institute		R01CA150226	62,324	102,010			
	ECOG ACRIN Cancer Research Group		1U10CA180820-02	02,024	20,467			
	ECCG ACRIN Cancer Research Group	93.395	1UG1CA189828-01		22,645			
	ECOG ACRIN Cancer Research Group		5U10CA180820-02		56.770			
	Frontier Science & Technology Research Foundation	93.395	5U10CA021115-39	-	13 041	-		
	Frontier Science & Technology Research Foundation		U10CA021115-39	-	6 270		-	
	Johns Hopkins University		2UM1CA137443-06	-	22.000		-	
	Johns Hopkins University		5U01CA137443-05	-	(10.651)		-	
	Massachusetts General Hospital		5P01CA069246-17	54.134	(10,651)		-	
					-	-	-	
	Massachusetts General Hospital	93.395	5P01CA069246-18	179,763	-	-	-	
	Massachusetts General Hospital		5R21CA164726-02	715	-	-	-	
	Mayo Clinic		1UG1CA189823-02	193,319	-	-	-	
	New York University School of Medicine	93.395	5R01CA176502-02	-	145,245	-	-	
	NRG Oncology		5U10CA180868-02	-	6,244		-	
	President and Fellows of Harvard College		5P01CA139980-05	-	131,661		-	
	Regents of the University of California San Diego		5P01CA081534-14	5,129	-		-	
	Scripps Research Institute		1R01CA178315-01A1	-	36,548		-	
	Swedish Medical Center		1R01CA184283-01	178,482	-		-	
	Temple University		5R01CA166144-04	36,265	-	-	-	
	University of Alabama at Birmingham	93.395	5R21CA173120-02		105,951	-	-	
	University of Texas, MD Anderson Cancer Center		N01CN035159	472	-	-	-	
	Washington State University	93.395	5R01CA164366-04		8,313	-	-	
Cardiovascular Diseases Research	Beth Israel Deaconess Medical Center	93.837	1R01HL111465-01A1	299,566	-	-	-	
	Beth Israel Deaconess Medical Center	93.837	1R01HL122547-01A1	· · · · · ·	9,951	-	-	
	Beth Israel Deaconess Medical Center	93.837	2T32HL007734-21A1		11,811	-	-	
	Beth Israel Deaconess Medical Center		5P01HL076540-10	70,396			-	
	Beth Israel Deaconess Medical Center		5R01HL109634-04	149.243				
	Beth Israel Deaconess Medical Center		5R01HL122987-02	226,032				
	Beth Israel Deaconess Medical Center		5U01HL072737-07	(497)				
	Beth Israel Deaconess Medical Center		5UM1HL108724-02	(457)	63.706			
	Brigham and Women's Hospital, Inc.		1U01HL107352-01A1		114,598		-	
	Brigham and Women's Hospital, Inc.	93.837	5R01HL091157-04	-	(44,590)			
	Brigham and Women's Hospital, Inc. Brigham and Women's Hospital, Inc.		5R01HL091157-04 5R01HL099073-04	-	(44,591) 8,817		-	
				-		-	-	
	Brigham and Women's Hospital, Inc.		5R01HL114805-03		35,929			
	Brigham and Women's Hospital, Inc.		5R01HL117713-02	3,687			-	
	Brigham and Women's Hospital, Inc.		5U01HL101422	88,509	•		-	
	Brigham and Women's Hospital, Inc.		5U54HL119145-02	-	911,499		-	
	Children's Hospital of Boston		5U01HL098147-06	206,488			-	
	Children's Hospital of Oakland		5U19HL069757-14	56,170		-		
	Cleveland Clinic Foundation	93.837 5	5U34HL123416-02		19,487			
	Columbia University	93.837 5	5R01HL109711-05	-	49,635	-	-	
			5R01HL109711-05 5U34HL115015-02	-	49,635 26,382	-	-	

RESEARCH AND	DEVELOPMENT AND RESEARCH TRAINING CLUSTER
RESEARCH PASS	S-THROUGH
CFDA Agency	CFDA Program

Pass-Through Sponsor	CFDA #	Pass-Through Number	BWH	MGH	McLean	Other	Total
Duke University	93.837	2U10HL084904-06		(496)		-	(496)
Duke University	93.837	2U10HL084904-08	(220)				(220)
Duke University	93.837	4R01HL098237-03		(9,933)			(9,933)
Duke University	93.837 93.837	5U01HL084904	730 291	40.623		-	730
Duke University Duke University	93.837 93.837	5U10HL084904-08 5U10HL084904-09	291 89,686	40,623 49,479		-	40,914 139,165
Duke University	93.837	R01HL105448		45,475			229
Duke University	93.837	U01HL084904-08	5,713	-			5,713
Duke University	93.837	U01HL105463	4,900				4,900
Duke University	93.837	U10HL084904		31,699			31,699
Duke University	93.837	U10HL084904-07	-	49,095			49,095
DVX, LLC	93.837	HL071359	15,691			-	15,691
Emory University	93.837	1R01HL119798-03	15,796	-			15,796
Emory University	93.837	5U01HL105561-02		199,607		-	199,607
Fred Hutchinson Cancer Research Center Fred Hutchinson Cancer Research Center	93.837 93.837	5R01HL05065-04 5U01HL100395-07	31,273	107.395			31,273 107,395
George Washington University	93.837	R01HL101274-05	-	226,755			226.755
Harvard Pilgrim Health Care	93.837	5R01HL096905-05	264,222	220,735			264,222
Icahn School of Medicine at Mount Sinai	93.837	5R01HL118440-02		380.775			380,775
Icon Clinical Research	93.837	1U01HL117006-01A1	2,316	-			2,316
Johns Hopkins University School of Medicine	93.837	5R01HL112299-03	-	22,185			22,185
Massachusetts General Hospital	93.837	1R01HL107268-05	41,946	-			41,946
Massachusetts General Hospital	93.837	1R01HL109506-04	183,585	-			183,585
Massachusetts General Hospital	93.837	1R01HL112746-02	103				103
Massachusetts General Hospital	93.837	1R01HL122177-01A1	5,072	-			5,072
Massachusetts General Hospital	93.837	1R01HL125869-01A1	-	-	9,484		9,484
Massachusetts General Hospital Massachusetts General Hospital	93.837 93.837	1R01HL96738-02 1U01HL123339-02	(10,044) 44,060				(10,044) 44,060
Massachusetts General Hospital	93.837	1U10HL110337-04	326,689	-			326,689
Massachusetts General Hospital	93.837	4R01HL095123-03	(52)				(52)
Massachusetts General Hospital	93 837	5R01HL098280-05	305.190	-			305,190
Massachusetts General Hospital	93.837	5R01HL107268-04		-		20,094	20,094
Massachusetts General Hospital	93.837	5R01HL112831-03	188,723	-			188,723
Massachusetts General Hospital	93.837	5R01HL122177-02	1,655	-			1,655
Massachusetts General Hospital	93.837	5U01HL123336-02	-	8,441			8,441
MONTREAL HEART INSTITUTE	93.837	1U01HL105561-01	5,291	-			5,291
Mount Sinai Medical Center	93.837	1U01AT001156	19,836	-			19,836
Mount Sinai School of Medicine Mount Sinai School of Medicine	93.837 93.837	2U01HL088942-07 5U01HL088942-08	1,018	232,745			1,018 232,745
Mount Sinai School of Medicine Mt. Sinai Medical	93.837 93.837	5U01HL088942-08 5U01HL088942-08	1.833	232,745			232,745
National Marrow Donor Program	93.837	1R01HL085707-01A2	1,033	2 604			2.604
New England Research Institute, Inc.	93.837	1U01HL105463	_	3,853			3,853
New England Research Institute, Inc.	93.837	5U01HL072291-09	6.072	-			6.072
New England Research Institute, Inc.	93.837	5U01HL098188-02	3,289				3,289
New England Research Institute, Inc. (NERI)	93.837	U01HL107407	353	-			353
New York University School of Medicine	93.837	1R01 HL119153	-	4,000		-	4,000
New York University School of Medicine	93.837	U01HL105907	13,517	-			13,517
NIH-NHLBI National Heart, Lung, and Blood Institute	93.837	5U54HL119145-03	(24,275)	-		-	(24,275)
Northwestern University Oregon Health & Science University (OHSU)	93.837 93.837	1R01HL122328 5R01HL111033-03	65.033	10,739		-	10,739 65 033
Oregon Health & Science University (OHSU)	93.837	R01HL118277	21,309	-			21,309
Penn State University	93.837	5U10HL098115-03	(1.970)	-			(1,970)
Penn State University	93.837	5U10HL098115-04	11.850	-			11,850
Penn State University	93.837	5U10HL098115-06	186,965	-			186,965
Penn State University	93.837	U10HL098115-06	54	-			54
President and Fellows of Harvard College	93.837	1U19HL129903-01	-	71,330			71,330
President and Fellows of Harvard College	93.837	5R01 HL104284-04	87,384	-			87,384
President and Fellows of Harvard College	93.837	5R01HL035464-25	74,678	-			74,678
President and Fellows of Harvard College President and Fellows of Harvard College	93.837 93.837	5R01HL060712-14 5R01HL080644-09	117,481 21,743	-			117,481 21,743
President and Fellows of Harvard College	93.837	5R01HL080644-09 5R01HL113567-03	21,743 54,218	-			54.218
President and Fellows of Harvard College	93.837	5R01HL116391-03	34,218	273.013			273 013
President and Fellows of Harvard College	93.837	R01HL119153	-	48,739			48,739
Psychological Applications, LLC	93.837		365				365
Regents of the University of California	93.837	1R01HL117713-01	337,354	-			337,354
Regents of the University of California	93.837	1R01HL125034-01A1	6,521				6,521
Regents of the University of California	93.837	1R56HL125034-01	7,970	-			7,970
Regents of the University of California	93.837	5R01HL114918-02		20,883			20,883
Regents of the University of California	93.837	5R01HL117713-03	10,426			-	10,426
Riparian Pharmaceuticals, Inc. RTI International	93.837 93.837	1R41HL118826-01 1U10HL119991-01	100,106 159,006				100,106 159,006
Spaulding Rehabilitation Hospital	93.837 93.837	5R01HL117037-03	159,006	32.417		-	32.417
Spaulding Renabilitation Hospital Tufts University	93.837 93.837	1R01HL106160-02	-	32,417 8.221	-	-	32,417 8,221
Tufts University	93.837	7R01HL106160-02 7R01HL115189-03	61.287	0,221	-	-	61.287
University of California at San Diego	93.837	5U01HL126494-02		131.089			131.089
University of California at San Francisco	93.837	1R01HL125034-01A1		46.245			46.245
University of California at San Francisco	93.837	1R56 HL125034-01	-	27,144	-	-	27,144
University of Cape Town	93.837	HHSN268200900030C	(12,865)		-	-	(12,865)
University of Maryland	93.837	5U01HL099997-07	-	180,318	-	-	180,318
University of Maryland	93.837	5U01HL105198-10	27,526		-	-	27,526
University of Maryland at Baltimore	93.837	5U01HL099997-06	-	204,796	-	-	204,796
University of Michigan	93.837 93.837	1R01HL127564-01 5R01HL110068-04	- 149 537	11,039	-	-	11,039
University of Mississippi Medical Center	93.837	SRUTHL110068-04	149,537	•			149,537

RESEARCH AND RESEARCH PASS	DEVELOPMENT AND RESEARCH TRAINING CLUSTER								
CFDA Agency		Pass-Through Sponsor	CFDA #	# Pass-Through Number	BWH	MGH	McLean	Other	Total
		University of Mississippi Medical Center	93.837	R25HL126145		17,189	-	-	17,189
		University of Pennsylvania	93.837	1U54HL117798-04	110,563	-			110,563
		University of Pennsylvania University of Pennsylvania	93.837 93.837	5R01HL111883-04 5U54HL117798-04	317,754	-		-	317,754 51,393
		University of Pennsylvania University of Pittsburgh	93.837	5R01HL119246-03	51,393	-			14,419
		University of Texas Health Science Center at Houston	93.837	5R01HL102830-04	22.614				22.614
		University of Virginia	93.837	5U01HL117006-02	121,956				121,956
		University of Virginia	93.837	5U01HL117006-03	286,284	-			286,284
		University of Washington	93.837	5R01HL120393-02	-	28,237			28,237
		Vanderbilt Medical Center Vanderbilt University	93.837 93.837	5R01HL112746-04 5R01HL112746-04	104,742	161,613			161,613 104,742
		Vanderbilt University Vanderbilt University	93.837	5U01HL112/46-04 5U01HL122904-03	104,742	20.045			20,045
		Vanderbilt University	93.837	5U19HL065962-13		50,684			50,684
		Vanderbilt University	93.837	5U19HL65962-14	76,487			-	76,487
		Vanderbilt University	93.837	7 R01 HL102780-04	165,018	-			165,018
		Wake Forest University Health Sciences	93.837	1R01HL111362		22,386		-	22,386
		Washington University Washington University School of Medicine	93.837 93.837	1U34HL123831-01 5R01HL118305-02	14,211 123,148	•			14,211 123.148
		Wright State University	93.837	5R01HL056653-16	44,477				44,477
		Yale University	93.837	1R01HL115295-01	6,770				6,770
		Yale University	93.837	5U34HL105285-03	(2,582)	-			(2,582)
	Centers for Disease Control and Prevention Investigations and Technical Assistance	Olive View-UCLA Education and Research Institute	93.283	5U01CK000176-03	50				50
	Child Health and Human Development Extramural Research	Boston College	93.865	5R00HD068506-05	-	19,423			19,423
		Boston Medical Center Boston University	93.865 93.865	5R01HD072069-02 5R01HD064595-05	25,628 11,189	•		-	25,628 11,189
		Boston University	93.865	5R01HD064595-05 5R01HD067270-04	21,308				21,308
		Case Western Reserve University	93.865	1R01HD077220-01A1		114,723			114,723
		Children's Hospital of Boston	93.865	1R01HD76258-01A1	-	73,950			73,950
		Children's Hospital of Boston	93.865	5R21HD076442-02	-	11,115			11,115
		Children's Hospital of Boston Children's Hospital of Boston	93.865 93.865	5U01HD045991-13 HHSN275201300003C	43,332 (343)	21,263		-	64,595 (343)
		Content S Hospital of Boston Cornell University Medical Center	93.865	5R01HD069776-04	(343)	-		32 768	(343) 32,768
		Eastern Virginia Medical School	93.865	1R21HD060942-01A1				(324)	(324)
		Emory University	93.865	5R01HD075655-02	-	11,858		(	11,858
		Fenway Community Health Center	93.865	3U01HD068040-04	29,078				29,078
		Fenway Community Health Center	93.865	U01HD068040	-	12,434			12,434
		FHI 360	93.865	5R01HD077888-03	259,166	-			259,166
		Harvard School of Public Health Harvard School of Public Health	93.865 93.865	1R01HD080471-01 5R01HD061265-05	29,774 12,866	-			29,774 12,866
		Health Research, Inc.	93.865	5R01HD061916-05	45.192	-			45,192
		ISS, Inc.	93.865	1R43HD071761-01A1	-	25,968		-	25,968
		Johns Hopkins School of Public Health	93.865	R01HD066156	38,930		14,711	-	53,641
		Judge Baker Children's Center	93.865	5R01HD060986-03	-			2,285	2,285
		Massachusetts General Hospital Massachusetts General Hospital	93.865 93.865	5R21HD073553-02 5U54HD028138-25	338,586	-	- 19,642		358,228
		Massachusetts General Hospital	93.865	7R01HD060986-05	336,566		19,042		330,220
		Miriam Hospital (The)	93.865	1R01HD078515-01A1	38.150				38,150
		President and Fellows of Harvard College	93.865	1R01HD080471-02	-	21,264		-	21,264
		President and Fellows of Harvard College	93.865	5R01HD057941-04	-	(1,019)			(1,019)
		Regents of the University of California	93.865	1R01HD078748-01A1	-	148,347			148,347
		Regents of the University of Michigan Rehabilitation Institute of Chicago	93.865 93.865	5R01HD75655-02 R24HD050821-06	-	29,995		97,184	127,179
		RTI International	93.865	5U01HD063036-04	(11,290)				(11.290)
		Trustees of Boston University	93.865	1R01HD064595-05	(11,280)	46,106			46,106
		Trustees of Boston University	93.865	1R01HD067270-01	-	1,985		123,081	125,066
		Trustees of Boston University	93.865	5R24HD065688	-	-			-
		University of Massachusetts at Amherst	93.865 93.865	1R01HD078517-02 5R01HD074581-03	187,243	24.378			187,243 24,378
		University of Massachusetts at Worcester University of North Carolina, Chapel Hill	93.865	1U01HD073984-01	-	24,378 249,887			24,378
	Community Services Block Grant	University of Wisconsin - Madison	93.865	1P01HD076892-01A1	283,262	248,007		5,788	289,050
	Coordinated Services and Access to Research for Women, Infants, Children, and Youth	Tufts University	93.569	U01AG022376				-	
	Diabetes, Digestive, and Kidney Diseases Extramural Research	Dimock Community Health Center	93.153	H12HA24846A0	78,054	-			78,054
		Beth Israel Deaconess Medical Center	93.847	1R01DK098525-01A1	-	167,875			167,875
		Beth Israel Deaconess Medical Center Beth Israel Deaconess Medical Center	93.847 93.847	1R01HL122987-01 2R01DK088826-05	94,230	18,696		-	18,696 94,230
		Beth Israel Deaconess Medical Center	93.847	3U01DK0882919-07S1	94,230	142,235			142,235
		Beth Israel Deaconess Medical Center	93.847	5P01DK080665-05	(1,367)				(1,367)
		Beth Israel Deaconess Medical Center	93.847	5R01HL110733-04	-	13,191			13,191
		Beth Israel Deaconess Medical Center	93.847	5U01DK082919-07	-	60,329			60,329
		Beth Israel Deaconess Medical Center	93.847	5U19DK080652-05	-	469			469
		Boston Medical Center Boston Medical Center	93.847 93.847	2P30DK046200-22 5P30DK046200-22	16,761	54,989 20,554			54,989 37,315
		Boston Medical Center Boston Medical Center	93.847 93.847	5P30DK046200-22 5R01DK088782-04	16,/61	20,354			117,298
		Boston Medical Center	93.847	P30DK046200	23,526				23,526
		Brigham and Women's Hospital, Inc.	93.847	5R01DK084064-02		61,382			61,382
		Brigham and Women's Hospital, Inc.	93.847	5R01DK099739-02	-	11,620			11,620
		Brigham and Women's Hospital, Inc.	93.847	R01DK101442	-	35,208	-		35,208
		Broad Institute, Inc. Broad Institute, Inc.	93.847 93.847	1137106 / 5R24DK080261 1R01DK092405-01A1	-	161,856 41 952	-		161,856 41,952
		erous manute, me.	20.047	110151002403-01A1	-	*1,832	-		41,002

The accompanying notes are an integral part of this schedule.

RESEARCH AND D	DEVELOPMENT AND RESEARCH TRAINING CLUSTER
RESEARCH PASS	-THROUGH
CFDA Agency	CFDA Program

Digestive Diseases and Nutrition Research Discovery and Applied Research for Technological Innovations to Improve Human Health

		Pass-Through Number					
Broad Institute, Inc.	93.847	1R01DK098032-01		9,288	-	-	
Broad Institute, Inc.	93.847	1U54DK105566-01	11,217	101,446		-	1
Broad Institute, Inc.	93.847	2R01DK064869-10	-	9,774	-	-	
Broad Institute, Inc.	93.847	U01DK085526		10,285	-	-	
Broad Institute, MIT	93.847	1U54DK105566-01	-	309,459	-	-	3
Case Western Reserve University	93.847	1DP3DK101074-01	-	33,973		-	
Case Western Reserve University	93.847	1DP3DK104438-01		33.717	-	-	
Case Western Reserve University	93 847	5U01DK094157-03		255.075		_	2
Children's Hospital of Boston	93.847	5P30DK034854-28	(6,182)	200,010			-
Children's Hospital of Boston Children's Useriated of Boston	93.847	5P30DK034854-28 5P30DK034854-29	(6,182) 38,282	-	-	-	
Children's Hospital of Boston		5P30DR034654-29		-	-	-	
Children's Hospital of Boston	93.847	5P30DK034854-30	470,802	-	-	-	4
Children's Hospital of Boston	93.847	5P30DK049216-20	-	(181)	-	-	
Children's Hospital of Boston	93.847	5R01DK084001-04	22,766	-		-	
Children's Hospital of Boston	93.847	5R01DK087992-05	58,215	-	-	-	
Collagen Medical, LLC	93 847	5R44DK095617-03		107,296		_	
Dana Farber Cancer Institute	93.847	5R37 DK031405-33	3,178	101,200			
Fred Hutchinson Cancer Research Center	93.847	5R24DK099808-02	156.720				
				-	-	-	
Geisinger Clinic	93.847	5R01DK082551-05	26,028	-	-	-	
George Washington University	93.847	2U01DK048489-22	-	160,775	-	-	
George Washington University	93 847	5U01DK048489-21		177,125	-		
George Washington University	93.847	5U01DK061230-11		647,024		_	
	93.847	5U01DK098246-02		666.768			
George Washington University					-	-	
Georgia Regents University	93.847	3U24DK076169-08S4	(1,391)	12,922	-	-	
Georgia Regents University	93.847	3U24DK076169-09	60,000		-		
Georgia Regents University	93.847	5U24DK076169-09		10,246	-	-	
Ioslin Diabetes Center	93 847	1UC4DK101108-01	-	28.636		-	
Kaiser Foundation Research Institute	93.847	1R01DK085070-02	-	28,030			
			-			-	
Maine Medical Center	93.847	1R24DK092759-01		620,580	-	-	
Massachusetts General Hospital	93.847	2P30DK040561-16A1	124,396	-	-	-	
Massachusetts General Hospital	93.847	5P30DK040561-17	21.930	-	-	-	
Massachusetts General Hospital	93 847	5P30DK040561-18	16,878			-	
Massachusetts General Hospital	93.847	5P30DK057521				56,814	
Massachusetts General Hospital	93.847	5P30DK057521-15	50,802			00,014	
		5F30DR057521-15		-	-	-	
Massachusetts General Hospital	93.847	5R01DK049302-18	61,029	-	-	-	
Massachusetts General Hospital	93.847	5R01DK057683-17	14,967	-	-	-	
Massachusetts General Hospital	93.847	5R01DK088214-03	54,058	-		-	
Massachusetts General Hospital	93.847	5R01DK095964-03	207,342			-	
Massachusetts General Hospital	93.847	5R01DK101495-02	186,569	-			
			100,009		-	-	
Montreal Heart Institute	93.847	2U01DK062432-14		230,687	-	-	
Montreal Heart Institute	93.847	5R01DK064869-12	-	155,086	-	-	
Montreal Heart Institute	93.847	5U01DK062432-11		(1,556)		-	
Mount Sinai School of Medicine	93.847	2R01DK080789-06A1	138,198		-	-	
Northwestern University	93.847	7R01DK076116-07		71,338			
Northwestern University	93.847	R21DK100754	9.819	71,336			
Draan Solutions	93.847	1R41DK100754	9,619	18 442	-	-	
			-	18,442	-	-	
President and Fellows of Harvard College	93.847	1R01DK090435-01A1	(9,971)	-	-	-	
President and Fellows of Harvard College	93.847	1UC4DK104165-01	470.144	-	-	-	
President and Fellows of Harvard College	93.847	5P01DK056246-15		591.511	-	-	
President and Fellows of Harvard College	93.847	5R01DK088718-05	1.936				
	93.847	1R01DK084978-02	1,530	(9.797)			
Regents of the University of California			-		-	-	
Rush University	93.847	1R01DK101350-01	-	267,217	-	-	
San Diego State University	93.847	1R01DK099360-01A1	169,125	-		-	
Trustees of Boston University	93.847	5R01DK085633-04		(1,592)	-		
Frustees of Boston University	93 847	5R01DK097657-02		229.004			
			-		-	-	
rustees of Boston University	93.847	DP3DK101084-01	-	19,043	-	-	
fufts Medical Center, Inc.	93.847	1R01DK092563-02	-	(549)	-	-	
Fufts Medical Center, Inc.	93.847	5R01DK090401-04	29,655			-	
Jniversity of Chicago	93 847	R01DK098435		33 264		-	
Jniversity of Maryland at Baltimore	93.847	5P30DK090868-05	-	22 242		-	
Sinversity of maryidflu at Dalumore			22,329		-		
Iniversity of Massachusetts at Worcester	93.847	1R01DK095728-01A1		108,994	-	-	
Jniversity of New Mexico	93.847	5R01DK083424-03	23,350	-	-	-	
University of North Carolina, Chapel Hill	93.847	5U01DK092239-04	-	9,934		-	
Iniversity of Notre Dame	93.847	1R01DK100237-01	167.306			-	
Jniversity of Oklahoma Health Sciences Center	93 847	5R01DK082766-03		(320)		-	
			-				
Iniversity of Pennsylvania	93.847	3U01DK060990-12S2	-	(1,414)		-	
Iniversity of Pennsylvania	93.847	4UH3DK102384-02	-	11,691		-	
Jniversity of Pennsylvania	93.847	5U01DK099919-02	30,750	-		-	
Iniversity of Pittsburgh	93.847	1R01DK102495-02		113,527		-	
Jniversity of Washington	93.847	R01DK088762-05	233,818				
Jniversity of Washington - Seattle	93.847	5R01DK088762-05	200,818	9.508		-	
Jinversity of virasinfigion - Seattle			-			-	
University of Wyoming	93.847	1R15DK092696-01A1	-	33,875		-	
/anderbilt Medical Center	93.847	5R01DK096994-02	84,491		-	-	
/anderbilt Medical Center	93.847	7R01DK081572-06		39,489		-	
/anderbilt University	93.847	5R01DK103658-02	174,045			-	
/irginia Commonwealth University	93.847	5R01DK094818-02		40,298	-	-	
			-			-	
/irtici LLC	93.847	1R43DK101197-01A1	-	30,878	-	-	
Montreal Heart Institute	93.848	5R01DK064869-09		(3,600)	-	-	
Boston University	93.286	5U54EB015403-04	-	21,791		-	
Case Western Reserve University	93.286	1U01EB20955-01	362	2.,			
			362			-	
Case Western Reserve University	93.286	5R01EB017219-03	-	152,031		-	
Children's Hospital of Boston	93.286	5R01EB017337-02	-	536,531		-	
Cleveland Clinic Foundation	93.286	5R01EB014296-04	73,713	-	-	-	
Cornell University	93.286	5R01EB017274-03		512,252	-	-	
Kitware, Inc	93.286	5R01EB014955-03	18 660	012,202		-	
viware, inc	93.286 93.286	5R01EB014955-03 5R01EB014947-03		-		-	
			37.870				
Massachusetts General Hospital	93.286	5U54EB015408-02	4,276			-	
Massachusetts General Hospital Massachusetts General Hospital Northeastern University				(8.489)	-	-	

y CFDA Program	Pass-Through Sponsor	CFDA #	Pass-Through Number	BWH	MGH	McLean	Other	То
	President and Fellows of Harvard College	93.286	5R01EB013042-04		95,625			
	President and Fellows of Harvard College	93.286	5R01EB014703-04	-	199,117			
	Rensselaer Polytechnic Institute	93.286	5R01EB015478-03	-	137,211			
	Stanford University	93.286	5R01EB015776-05	95,065				
	Sunnybrook Health Science Center	93.286	7R01EB003268-10	122,220				
	Trustees of Boston University	93.286	5R01EB016102-03	299,535		-	-	
	Trustees of Boston University	93.286	5U54EB015403-03	60.481				
	University of California at San Diego	93.286	5R01EB000790-10	· · · · ·	385,494	-	-	
	University of California at San Diego	93.286	5R01EB012597-04	32,818				
	University of California at San Francisco	93.286	5R01EB009756-05	-	(1,566)		-	
	University of California, San Diego Medical Center	93.286	5R01EB009282-07	-	151,458			
	University of Illinois at Urbana Champaign	93.286	R21EB018001	-	125,965			
	University of Pennsylvania	93.286	5R01EB018464-02	-	157,229			
Drug Abuse and Addiction Research Programs	Beth Israel Deaconess Medical Center	93.279	5R01DA036298-02	-	154,933			
	Boston Medical Center	93.279	5R01DA031059-04	-	55,023			
	Fenway Community Health Center	93.279	1R21DA035113	-	13,430		-	
	Fenway Community Health Center	93.279	5R21DA033720	-	(1,360)		-	
	Inflexxion	93.279	SR44DA026359-03	32,251		-	-	
	McLean Hospital Corporation	93.279	5R01DA029141-03	· · · · ·	145,278	-	-	
	McLean Hospital Corporation	93.279	5R21DA031925-02	-	46.412			
	McLean Hospital-Internal	93.279	1R03DA034102-01	(35)	· · ·			
	Mount Sinai Hospital	93.279	2P01DA008227-22A1		-	54,984		
	Northeastern University	93.279	5R01DA26795-05	-		(4,908)		
	Northeastern University	93.279	5R37DA023142	-		204,239		
	President and Fellows of Harvard College	93.279	1R01DA035214-03	-		54,266		
	President and Fellows of Harvard College	93.279	5R01DA034022-02	28,495				
	Regents of the University of California	93.279	5R01DA031056-03		(6,765)	19.845		
	Southern Illinois University	93.279	1R01DA036032-01	-	(0): 00)			
	Stony Brook University	93.279	1R21DA038467-01		23,136			
	University of Arizona	93.279	5R01DA034975-02		143 432			
	University of Hawaii	93.279	5R01DA019912-07		141,557			
	University of Massachusetts at Worcester	93.279	5R01DA031081-04		42.674			
	University of New Mexico		5 R01 DA016017-12		70,219			
	University of New Mexico	93.279	5R01DA031056-06	-	37,636			
	University of Pennsylvania	93.279	5R01DA022339-06		(160)			
Environmental Health	University of Pennsylvania	93.279	5R01DA022339-06 5R01DA033641-04	-	140,653		-	
Environmental Health	Johns Hopkins University	93.113	5P01ES018176-05	-	21,529			
		93.113	RD-83451001-2	-		41.567	-	
	Johns Hopkins University Natural Pharmacia International, Inc.	93.113	1R430D020186	-	53,642	41,007	-	
		93.113	1R430D020186 1R21ES024236-01	16.144	-		-	
	President and Fellows of Harvard College	93.113 93.113			-			
	President and Fellows of Harvard College		2P30ES000002-51	2,700	-		-	
	President and Fellows of Harvard College	93.113	2R01ES009718-13		(731)		-	
	President and Fellows of Harvard College	93.113	5P30ES000002-50	102	-		-	
	President and Fellows of Harvard College	93.113	5R01ES009411-09	22,730	-			
	President and Fellows of Harvard College	93.113	5R01ES009718-17	-	731			
	President and Fellows of Harvard College	93.113	5R01ES014370-10	32,785	-		-	
	President and Fellows of Harvard College	93.113	5R01ES015172-07	297	-			
	President and Fellows of Harvard College	93.113	5R01ES019853-04	199,134	-		-	
	President and Fellows of Harvard College	93.113	5R01ES021372-03	74,489	-		-	
	President and Fellows of Harvard College	93.113	5R21ES019982-02	40,086	-		-	
	Regents of the University of California	93.113	5R01ES023316-03	-	482,094		-	
	The Curators of the University of Missouri	93.113	5R01ES021394-04	-	44,295		-	
	Trustees of Dartmouth College	93.113	5P01ES022832-03	46,679				
	Tufts University	93.113	5R01ES008314-19	-	41,830		-	
	Tufts University	93.113	U01ES020888	-	15,860			
	University of Illinois at Urbana Champaign	93.113	5P01ES022848-02	104,965	-		-	
Extramural Research Programs in the Neurosciences and Neurological Disorders	University of Michigan	93.113	5R01ES018872-04	36,198				
	Advanced MRI Technologies LLC	93.853	1R44NS084788-01	-	(2,258)		-	
	Angion Biomedica Corp.	93.853	2R44NS045373-04	-	(2,644)			
	Beth Israel Deaconess Medical Center	93.853	5U01NS074425-03	-	2,355		-	
	Boston University	93.853	5R01NS072023-05	-	168,644			
	Boston University Medical Center	93.853	2R56NS078337-04	309,394	-			
	Boston University Medical Center	93.853	5R01NS078337-03	8,273			91,626	
	Brain Plasticity Institute	93.853	2R44NS71780-03A-1		-		52.847	
	Brigham and Women's Hospital - Internal Funds	93.853	1R01NS085002-01A1	-				
	Brigham and Women's Hospital, Inc.	93.853	1U54NS079201-02		1,050,531			
	Broad Institute, Inc.	93.853	U01NS082079		3,291	-		
	Brown University	93.853	5R01NS079533-04	-	24.524			
	Case Western Reserve University	93.853	1U01NS082329-01A1	-	129.371	-		
	Case Western Reserve University	93.853	5U01NS082329-01A1	-	2.204.456		-	
	Cedars-Sinai Research Institute	93.853	1U01NS088312-01	-	2,204,456			
	Cedars-Sinai Research Institute	93.853	1U01NS088312-01	-	673 039			
	Cedars-Sinai Research Institute Children's Hospital	93.853 93.853	1001NS088312-02 5R01NS066929-05	-			-	
				-	11,829			
	Children's Hospital of Boston	93.853 93.853	5R01NS066929-05 5R01NS074430-03	10,757		-		
	Children's Hospital of Boston					-		
	Columbia University	93.853	5P50NS049060-09	22,226	· · · ·	-		
	Convergence Medical Devices, Inc.	93.853	2R44NS070385	-	26,095	-		
	CorticoMetrics, LLC	93.853	1R41NS083101-01A1	-	(7,656)	-		
	Electrical Geodesics, Inc.	93.853	2R44NS071988-03A1	-	217,109	-	-	
	Electrical Geodesics, Inc. Emory University Emory University	93.853 93.853 93.853	2R44NS071988-03A1 5 U01 NS038455-13S1 5U01NS038455-14	- 16,351 700,647	217,109		329,645	

RESEARCH AND I	DEVELOPMENT AND RESEARCH TRAINING CLUSTER						
RESEARCH PASS-THROUGH							
CFDA Agency	CFDA Program						

Family Smoking Prevention and Tobacco Control Act Regulatory Research

Food and Drug Administration Research

Grants for Faculty Development in Family Medicine Human Genome Research

Global AIDS

Pass-Through Sponsor	CFDA #	Pass-Through Number	вжн	MGH	McLean	Other	Total
Icahn School of Medicine at Mount Sinai	93 853	5B01NS081282-03	-	16 565		7 584	24.149
Indiana University	93.853	5R01NS078173-04	127,791			-	127,791
Massachusetts General Hospital	93.853	1U10NS086729-01	· -	-			
Massachusetts General Hospital	93.853	5R01NS062092-05	7,349	-			7,349
Massachusetts General Hospital	93.853	5R01NS077908-04	9.388	-			9,388
Massachusetts General Hospital	93.853	5U10NS077360-05	43,228	-			43,228
Massachusetts General Hospital	93.853	5U10NS080369-04	2,638	-			2,638
Massachusetts General Hospital	93.853	5U10NS086729-03	20,369	-			20,369
Massachusetts General Hospital	93.853	U01NS062835	14,227	-			14,227
Massachusetts Institute of Technology	93.853	5R01NS078839-03	· -	196,459			196,459
Mayo Clinic Jacksonville	93.853	5U01NS080168-02	-	220			220
Medical University of South Carolina	93.853	5U01NS058728-04	-	(4,889)			(4,889)
Mount Sinai School of Medicine	93.853	5U01NS086625-02	-	313,515			313,515
Northwestern University	93.853	5R21NS084210-02	-	71,945			71,945
Northwestern University	93.853	5U01NS080818-02	-	731			731
Ohio State University	93.853	5R01NS043246-09	9,342	-			9,342
Ohio State University	93.853	5U01NS079163	-	(13,262)			(13,262)
President and Fellows of Harvard College	93.853	5R01NS045893-10	59,814	-			59,814
President and Fellows of Harvard College	93.853	5R01NS061858-05	-	(3,118)			(3,118)
President and Fellows of Harvard College	93.853	5R01NS073124-06	-	128,914			128,914
Regents of the University of California	93.853	1R01NS081180-01A1	-	269,473			269,473
Regents of the University of California	93.853	1U24NS078370-02	-	(21,522)			(21,522)
Regents of the University of California	93.853	5R01NS071463-05	-	6,662			6,662
Regents of the University of California	93.853	5U01NS086090-02	-	169,674			169,674
Regents of the University of Michigan	93.853	U01NS062091	-	43,784			43,784
Regents of the University of Michigan	93.853	U01NS062778	-	296			296
Regents of the University of Michigan	93.853	U01NS062835	-	74,387			74,387
Regents of the University of Michigan	93.853	U01NS069498	-	12.526			12.526
Regents of the University of Minnesota	93.853	5U01NS062091-05	3,957				3,957
Rutgers University	93.853	R01NS038384-05	(254)	-			(254)
Seattle Children's Hospital	93.853	R01NS065818		189			189
Skupit Inc	93.853	2R44NS070385	-	133.136			133,136
Trustees of Boston University	93.853	1U01NS086659-01	-	191,151			191,151
Trustees of Boston University	93.853	5R01NS073118-05	-	193.108			193,108
Trustees of Indiana University	93 853	1R21NS087379-01A1	106,331				106,331
University of Alabama, Birmingham	93.853	5U01NS042685-10	367	-			367
University of California at Davis	93.853	5R25NS077582-03	5.663	-		156,572	162,235
University of California at San Francisco	93.853	1U01NS086090-01	· -	-			
University of Cincinnati	93.853	5P50NS044283-10	-	332			332
University of Cincinnati	93.853	5U01NS069763-04	-	203.629			203,629
University of Cincinnati	93.853	5U01NS069763-05	-	18,065			18,065
University of Maryland at Baltimore	93.853	5U01NS069208	-	37.075			37.075
University of Maryland at Baltimore	93.853	5U01NS069208-02	19,689				19,689
University of Maryland at Baltimore	93.853	5U01NS069208-03	6,000	-			6,000
University of Maryland at Baltimore	93.853	5U01NS069208-04	· · ·	35,031			35,031
University of Massachusetts at Worcester	93.853	5R01NS038194-15	-	100,092			100,092
University of Massachusetts at Worcester	93.853	5R01NS079836-03	12,169	-			12,169
University of Massachusetts at Worcester	93.853	5U01NS064096-04	-	86,364			86,364
University of Medicine and Dentistry of New Jersey	93.853	5R01NS038384-05	-	25,111			25,111
University of Minnesota	93.853	5U01NS062091-04	-	(101)			(101)
University of Pennsylvania	93.853	1R21NS080268-01A1	(276)	-			(276)
University of Pittsburgh	93.853	1U01NS081041-01A1		95			95
University of Southern California	93.853	5R21NS087194-02	285,727	-			285,727
University of Wisconsin - Madison	93.853	5P01NS042803-10	1,257	-	(15,467)		(14,210)
Vanderbilt University	93.853	2R01NS049251-08	262,783	-	90,196		352,979
Virginia Commonwealth University	93.853	5R01NS070715-04	· · ·	-			-
Virginia Commonwealth University	93.853	PD303745-SC105592	-	-			
Wake Forest University	93.853	2R01NS058949-05A1	-	62,184			62,184
Wake Forest University Health Sciences	93.853	R01NS058949	-	5,536			5,536
Washington University	93.853	1U01NS084970-02	-	23,029			23,029
Yale University	93.853	1U01NS084495-03	-	664,487			664,487
Yale University	93.853	5U01NS044876-10	-	81,996			81,996
Georgetown University	93.077	R01DA036497-01	-	24,383			24,383
Pennsylvania State University	93.077	5P50DA036107-02	-	275,603			275,603
Brigham and Women's Hospital, Inc.	93.103	1U01FD004856-01	-	(2,335)			(2,335)
Children's Hospital of Boston	93.103	2P50FD003792-04	-	(1,649)			(1,649)
New England Pediatric Device Consortium	93.103	1P50FD004907-01	-	105,245			105,245
New England Pediatric Device Consortium	93.103	5P50FD004907-02	-	86,208			86,208
Tufts Medical Center, Inc.	93.103	1R01FD003899-01A4	128,462	-			128,462
University of Miami	93.103	5R01FD003517-04		4,477			4,477
University of Rochester	93.103	5R01FD003908-02	-	(103)			(103)
African Society for Laboratory Medicine	93.067	U2GGH000710		20,959			20,959
Botswana Harvard AIDS Institute Partnership	93.067	5U2GPS001882-05	19,467				19,467
Harvard School of Public Health	93.067	5U01GH000447-03	96,896	-			96,896
President and Fellows of Harvard College	93.067	3U01GH000447-04S1		211,556			211,556
President and Fellows of Harvard College	93.067	5U01GH000447-04	91,043	· · ·	-		91,043
President and Fellows of Harvard College	93.067	HSPH-01 u/ 1U1GH000770	4,791				4,791
President and Fellows of Harvard College	93.067	HSPH-01 u/5UGGH000942-03	67,705		-		67,705
President and Fellows of Harvard College	93.895	5R01GM079330	24,322		-		24,322
Broad Institute, Inc.	93.172	5P50HG006193-05	170,058	239,516	-		409,574
Broad Institute, Inc.	93.172	5U54HG006991-03		300,203			300,203

CFDA Program	Pass-Through Sponsor	CFDA #	Pass-Through Number	BWH	MGH	McLean	Other	
	Broad Institute, Inc.	93.172	U01HG006569		9,774	-	-	
	Case Western Reserve University	93.172	5R01HG005691-03	6,846	· ·		-	
	Dana Farber Cancer Institute	93.172	5 U01 HG006492-04	-	50,974			
	Dana Farber Cancer Institute	93.172	5P50HG004233-07	55,434	-	-	-	
	Dana Farber Cancer Institute	93.172	5U01HG006492-04	222,596			-	
	Fred Hutchinson Cancer Research Center Griffin Laboratories	93.172 93.172	5U41HG004059-10 5R42DC011212-03	95,906				
	Griffin Laboratories Massachusetts Institute of Technology	93.172	1R01HG008363-01	3,570	210,599	-	-	
	Massachusetts Institute of Lechnology Memorial Sloan-Kettering Institute Cancer Center	93.172	5U01HG007033-02	3,570 (86,499)				
	Mount Sinai School of Medicine	93.172	7U01HG007033-03	230.473				
	President and Fellows of Harvard College	93 172	1U54HG007963-01	200,410	635.033			
	President and Fellows of Harvard College	93.172	5P50HG005550-05		307,240			
	Regents of the University of California	93.172	5R01HG007063-02	29,435	-	-	-	
International Research and Research Training	Stanford University	93.172	5P01HG000205-25		106,693			
Lung Diseases Research	American University of Beirut	93.989	1D43TW009118-01A1	16,360		-	-	
	Baylor College of Medicine	93.838	5R01HL110883-03	-	799			
	Baystate Medical Center	93.838	5U01HL122989-02	16,566	-			
	Beth Israel Deaconess Medical Center Beth Israel Deaconess Medical Center	93.838 93.838	5R01HL111430-03 5U01HL123022-02	258,629	10.673			
	Beth Israel Deaconess Medical Center Boston University Medical Center		5001HL123022-02 5R01HL108678-04	-		-	-	
	Boston University Medical Center	93.838 93.838	5R01HL111574-04	-	292,138 40,011			
	Brigham and Women's Hospital, Inc.	93.838	5P01HL108801-04		137,105			
	Children's Hospital of Boston	93.838	5U01HL086649-05		445			
	Columbia University	93.838	5R01HL086936-06	71,956	-			
	Cornell University	93.838	5P01HL114501-02	170,110		-	-	
	Cornell University	93.838	5P01HL114501-03	367,630			-	
	Cornell University Weill Medical College	93.838	5P01HL114501-03	635,637	-	-	-	
	Cornell University Weill Medical College	93.838	7R01HL060234-13	148,176	-	-	-	
	Dana Farber Cancer Institute	93.838	5R01HL111759-03	363,326				
	Duke University Mavo Clinic	93.838 93.838	5U10HL080413-05	2,398				
	Mayo Clinic Mayo Clinic	93.838	2R01HL092961-05A1 5U01HL108712-03	67.215	73,289 4.805	-		
	Mayo Clinic MIRTECH INC	93.838	1R41HL117339-01	67,215 3.342	4,805	-	-	
	Mount Sinai School of Medicine	93.838	5R01HL080674-09	3,342 75,828				
	Mount Sinai School of Medicine	93.838	5R01HL114396-04	3.473				
	National Jewish Health	93.838	5R01HL089897-08	196.688				
	President and Fellows of Harvard College	93.838	1P01HL120839-01A1	565,047				
	President and Fellows of Harvard College	93.838	1R01HL121266-01	9.142	-			
	President and Fellows of Harvard College	93.838	5P01HL120839-02	· · ·	154,576	-	-	
	President and Fellows of Harvard College	93.838	5R01HL060710-13		222,493			
	President and Fellows of Harvard College	93.838	5R01HL114769-02	81,376	-	-	-	
	Regents of the University of California	93.838	5U01HL108713-02	-	127,450	-	-	
	Regents of the University of Minnesota	93.838	U10HL074424	(7,950)	-	-	-	
	Rensselaer Polytechnic Institute Seattle Children's Research Institute (CRO)	93.838 93.838	5R01HL119248-02 R01HL105849	(4,490)	98,982			
	Trustees of Boston University	93.838	5R01HL105849 5R01HL116163-02	(4,490) 198,613	-	-	-	
	Trustees of Boston University	93.838	R01HL098437-04	101.971				
	University of Alabama	93,838	5R01HI 116213-03	101,8/1	199.816			
	University of California at San Francisco	93.838	5U01HL108713-02	_	44,958			
	University of Michigan	93.838	5R01HL118017-02		10,284			
	University of Mississippi Medical Center	93.838	5R01HL110068-04	79,615				
	University of Pennsylvania	93.838	1R01HL097796-02	-	(623)			
	University of Rochester	93.838	1R01HL120908	49,108				
Maternal and Child Health Federal Consolidated Programs	University of Wisconsin - Madison	93.838	1R01HL119946-01A1	3,188	-	-	-	
	Educational Development Center, Inc.	93.110	UF4MC26525	128,133		-	-	
	Mount Sinai School of Medicine	93.110	5H30MC24048-03-00	-	2,053	-	-	
	National Coalition for Health Professional Education in Genetics, Inc.	93.110	1U22MC24100:03	-	(3,646)			
Maternal and Child Health Services Block Grant to the States Medical Library Assistance	National Coalition for Health Professional Education in Genetics, Inc. Altarum Institute	93.110 93.994	UC7MC21713 HHS2502006460281	-	(3,216) (1,025)	-	-	
Medical Library Assistance Mental Health Research Grants	Brigham and Women's Hospital. Inc.	93.994	5U54LM008748-10	-	(1,025) (1,351)		-	
	Beth Israel Deaconess Medical Center	93.242	2R01MH048832-20A1		49.357			
	Beth Israel Deaconess Medical Center	93.242	2U01MH081928-06A1	198,961	42,403			
	Beth Israel Deaconess Medical Center	93.242	5R01MH092440-03		82.825			
	Beth Israel Deaconess Medical Center	93.242	5R01MH101052-02	24,495	-			
	Beth Israel Deaconess Medical Center	93.242	5U01MH081928-05	-	(6)	-	-	
	Boston University School of Medicine	93.242	1R21MH106796-01		6,993			
	Brigham and Women's Hospital, Inc.	93.242	1R01MH101244-02	-	119,331	-	-	
	Brigham and Women's Hospital, Inc.	93.242	5R01MH090291-05	-	98,302			
	Brigham and Women's Hospital, Inc.	93.242	5R01MH091448-05	-	15,350	-	-	
	Brigham and Women's Hospital, Inc. Broad Institute, Inc.	93.242 93.242	5R01MH097979-03 1R01MH094469-01	-	1,990 70,767		-	
	Broad Institute, Inc. Broad Institute, Inc.	93.242	1R01MH094469-01 1R01MH099064-01	-		-		
	Broad Institute, Inc. Broad Institute. Inc.	93.242 93.242	1R01MH099064-01 1U01MH100229-01	-	3,799 98.440		-	
	Broad Institute, Inc.	93.242	1U01MH100229-01	-	19,549			
	Broad Institute, Inc.	93.242	5R01MH095088-04	-	94,478			
	Broad Institute, Inc.	93.242	R01MH095086-04 R01MH105500-01	-	94,478 6.377	42,536		
	Brown University	93.242	1R01MH106174-01	-	70,610			
	Brown University	93.242	1R34MH097820-01A1	_				
	Butler Hospital	93.242	5P50MH086400-05	-	63,705	-	-	
	Butler Hospital	93.242	5U01MH076179-05	-	47,695	-	-	
	Children's Hospital of Boston	93.242	5R01MH078829-17	-	31,322		-	
	Children's Hospital of Boston	93.242	5R01MH087786-05	17,762	· · ·	(9,069)	-	
	Children's Memorial Hospital (Illinois)	93.242	5R01MH094323-05		45,981		-	
	Columbia University	93 242	1R01 MH099322-01A1					

RESEARCH AND	DEVELOPMENT AND RESEARCH TRAINING CLUSTER	
RESEARCH PASS	S-THROUGH	
CFDA Agency	CFDA Program	

Minority Health and Health Disparities Research

National Center for Research Resources

National Center for Advancing Translational Sciences

Pass-Through Sponsor	CFDA #	Pass-Through Number	BWH	MGH	McLean	Other	Total
columbia University	93.242	1R21MH102570 - 01A1	116,485			-	1
enway Community Health Center	93.242	5R01MH094323	-	680			
Fenway Community Health Center	93.242	5R34MH095584	-	12.883			
Fenway Community Health Center	93.242	5UM1AI069412-08	-	5,692			
FHC	93.242	1R43MH107037-01A1	-	13.629			
Florida International University	93.242	5R21MH103054-02	16.975	-	-	-	
Harvard School of Public Health	93.242	5R01MH087344-05	2.438			_	
Henry M Jackson Foundation	93.242	5U01MH087981	2,400	79.640			
Johns Hopkins University	93 242	5R01MH104553-02		94.059		_	
Johns Hopkins University	93.242	7UM1AI068632-07		8	74,479		
King's College London	93.242	5R01MH100470-02	29,578	0	20,263		
Massachusetts General Hospital	93 242	1R01MH097964-04	20,070	-	20,205	-	
Massachusetts General Hospital	93.242	1R01MH097964-04 1R01MH100350-02	-	-	23.101		
	93.242	223505	-		23,101		
Massachusetts General Hospital Massachusetts General Hospital	93.242	223505 5R01MH054907-20	-	-	-	-	
			4,395	-	-	-	
Massachusetts General Hospital	93.242	5R01MH090326-05	39,393	-		-	
Massachusetts General Hospital	93.242	5R01MH092380-03	43,335	-	57,269	-	
Massachusetts General Hospital	93.242	7R01MH095792-03	-	-	-	-	
Massachusetts Institute of Technology	93.242	1R01MN091115-04	-	38,110	-	-	
McLean Hospital Corporation	93.242	1R01MH104560-02	-	147,707	-	-	
McLean Hospital Corporation	93.242	5R01MH068376-11		21.035	-	-	
McLean Hospital Corporation	93 242	5R01MH095809-03		88 304	-	-	
McLean Hospital Corporation	93.242	5R01MH101521-03		165,849		_	
McLean Hospital Corporation	93.242	5R21MH096107-02		28,259			
		5P50MH096890-04	-		-	-	
Mount Sinai School of Medicine	93.242		-	65,921	-	-	
Mount Sinai School of Medicine	93.242	5R01MH079157-05	-	(27,014)	-	-	
New York University School of Medicine	93.242	7R01MH084900-04	-	2,314	-	-	
NorthShore University HealthSystem Research	93.242	5R01MH094091-03	-	(14,818)	-	-	
President and Fellows of Harvard College	93.242	1DP2MH103909-01	-	31,925	-	-	
President and Fellows of Harvard College	93.242	5P50MH106933-02	-	1,304,552	-	-	1.
President and Fellows of Harvard College	93.242	5R01MH081862-06		44.522	-	-	
President and Fellows of Harvard College	93 242	5R01MH087328-02		(2,455)		_	
President and Fellows of Harvard College	93.242	5R01MH100216-02	308.998	(2,400)			
President and Fellows of Harvard College PsychoGenics, Inc.	93.242	PGI2004	308,998	(115)	-	-	
	93.242	5R01MH091221-03	-		-	-	
Regents of the University of California			-	(2,035)	-	-	
Regents of the University of California	93.242	5R24MH106096-02		118,080	-	-	
Regents of the University of California	93.242	R01MH096767	-	324,730	91,824	-	
Research Foundation for Mental Hygeine, Inc.	93.242	7R01MH1099322-03		-		-	
Rush University Medical Center	93.242	7R01MH081130-06		(94)		-	
San Diego State University	93.242	1R21MH103603-01	-	34,404	193,499	-	
Superconducting Systems, Inc.	93 242	6R44MH097272-04		123.975	156 619	-	
Torrey Pines Institute for Molecular Studies	93.242	1R01MH085607-01A2				_	
University of California at Davis	93.242	1R01MH100030-02				_	
University of California at Los Angeles	93.242	1R34MH104072-01		40.659			
University of California at Los Angeles	93.242	5R01MH086356-05		40,659	-	-	
			11,657	-	-	-	
University Of Massachusetts	93.242	5U01MH088278-05	-	65,981	-	-	
University of Minnesota	93.242	5R24MH105998-02	-	16,315	-	-	
University of Pennsylvania	93.242	5R01MH092862-05	114,043	-	-	-	
University of Pittsburgh	93.242	1R01MH093246-02	-	79,822	-	-	
University of Puerto Rico	93.242	5R01MH081975-05	-	(1,121)	-	-	
University of Rochester	93.242	1P50MH086400-05	-	112,665	-	-	
University of Rochester	93.242	R01MH045573-24		170,899	(32,294)	-	
University of Texas at Austin	93.242	1R01MH104562-01		122,690	(0=)=0 !)	_	
University of Texas Southwestern Medical Center	93 242	5U01MH092221-03		(52,340)			
			-		-	-	
University of Texas Southwestern Medical Center	93.242	5U01MH092221-04	-	253,685	4,602	-	
University of Texas Southwestern Medical Center	93.242	N01MH090003	-	6,222	-	-	
University of Texas Southwestern Medical Center	93.242	U01MH092221-04	-	-	57,784	-	
University of Washington	93.242	5R01MH095507-04		14,601		-	
University of Wisconsin - Madison	93.242	5R01MH097464-03	-	-	-	-	
Yale University	93.242	5R01MH105203-02	-	426,331	-	-	
Case Western Reserve University	93 307	5R21MD007632-02	8 839		-	-	
Environment and Health Group, Inc.	93.307	R43MD009454-02	17,821				
Fenway Community Health Center	93.307	5R24MD008073-03	17,021	9.329	-	-	
		5R24MD008073-03 5R01MD006086-06		9,329	-	-	
Mount Sinai School of Medicine	93.307		58,183	-	-	-	
President and Fellows of Harvard College	93.307	5R01MD006230-03	14,835	-	-	-	
EXCMR	93.350	9R24TR000473-02	7,195	-	(92)	-	
Harvard Catalyst - The Harvard Clinical and Translational Science Center	93.350	3UL1TR001086-02S2	50,026		-	-	
Harvard Catalyst - The Harvard Clinical and Translational Science Center	93.350	5KL2TR001100-02				-	
President and Fellows of Harvard College	93.350	1UL1TR001102-01	98,624	53,706			
President and Fellows of Harvard College	93.350	1UL1TR001102-02	6.790.253				6
President and Fellows of Harvard College	93.350	5UL1TR001102-02	0,100,203	226.714	-		
					-	-	
President and Fellows of Harvard College	93.350	5UL1TR001102-03	829,726	5,384,202	-		6
President and Fellows of Harvard College	93.350	8KL2TR000168-05	8,438		-	-	
President and Fellows of Harvard College	93.350	8UL1TR000170-05	31,004	512		-	
University of Pittsburgh	93.350	3UH2TR000503-02S1	-	(3,716)			
University of Pittsburgh	93.350	3UL1TR000005-09S1		325,376		-	
University of Pittsburgh	93.350	4UH3TR000503-03	-	676.153			
University of Pittsburgh	93.350	5UH2TR000503-02		(130,750)			
American College of Radiology	93.389	U10CA021661	-	(130,750) 30,624			
			-			-	
Brigham and Women's Hospital, Inc.	93.389	2P41RR019703-10	-	56,781	-	-	
Brown University	93.389	5R01GM098461-05	-	84,051			
Massachusetts General Hospital	93.389	U10CA021661	(13,413)			-	
Massachusetts Institute of Technology	93.389	5R010D011141-03	55,317				
President and Fellows of Harvard College	93.389	1UL1RR025758-01	-	(92.873)		-	
	93.389 93.389	1UL1RR025758-01 3UL1TR000170-05S1	- (53,871)	(92,873)	-	-	

	DEVELOPMENT AND RESEARCH TRAINING CLUSTER								
RESEARCH PASS CFDA Agency	-THROUGH CFDA Program	Pass-Through Sponsor	CFDA #	Pass-Through Number	BWH	MGH	McLean	Other	Total
	National Center on Sleep Disorders Research	President and Fellows of Harvard College	93.389	8UL1TR000170-05	(351)	-		-	(351)
		Technest, Inc. Beth Israel Deaconess Medical Center	93.389 93.233	2R44RR020245-02A2 01027616	22,904 2.646				22,904 2.646
		Beth Israel Deaconess Medical Center Beth Israel Deaconess Medical Center	93.233	2P01HL095491-06	2,646		-	-	2,646
	National Institutes of Health Contracts	Beth Israel Deaconess Medical Center	93.233	5P01HL095491-06	119.303				119.303
		Beth Israel Deaconess Medical Center	93.233	5R01HL110350-04	237,702				237,702
		California Pacific Medical Center	93.233	5R01HL071194-11	4.801				4,801
		Advanced MRI Technologies LLC	93.	4R44NS084788	· · · ·	2,859			2,859
		Arsenal Medical, Inc.	93.	A206608		(10,150)			(10,150)
		Arsenal Medical, Inc.	93.	W911NF-12-C-0066		(164,552)			(164,552)
		Battelle Memorial Institute	93.	SP0700-00-D-3180/DO 0783	99,496				99,496
		Beth Israel Deaconess Medical Center Boston University	93. 93	HHSA2902006000221 83457702	7 690	47	-	-	47 7 690
			93. 93.						
		Boston University Brigham and Women's Hospital, Inc.	93.	N01-HC-25195 U10	131,691	749			131,691 749
		Broad Institute, Inc.	93.	268201000029C-4-0-2		27.863			27,863
		Broad Institute, Inc.	93.	HHSN26620040001C	(7,039)				(7,039)
		Case Western Reserve University	93.	HHSN275201100018C		(6,925)	-	-	(6,925)
		Charles River Analytics, Inc.	93.	2014-13121700006		226,414			226,414
		Children's Hospital of Boston	93.	HHSN272201400052C	62,028		-	-	62,028
		Collagen Medical, LLC	93.	HHSN268201400044c		92			92
		DocBox, Inc.	93.	W81XWH-13-C-0107		771,287			771,287
		EMMES Corporaton Fenway Community Health Center	93. 93.	HHSN263201300005C R34MH104083	70,351	1,672	-	-	70,351 1,672
		Global Health Service Corps	93.	R34WH104063	-	546 825			546.825
		Harvard Pilgrim Health Care	93.	HHSF223200910006I/HHSF22301007T-000		3.473		-	3.473
		Harvard Pilgrim Health Care	93.	HHSF223200910006I/HHSF22301007T-008	130.492				130,492
		Harvard Pilgrim Health Care	93.	HHSF223200910006I/HHSF22301008T-001	360,608				360,608
		Harvard Pilgrim Health Care	93.	HHSF223200910006I/HHSF22301008T-15	3,202		-	-	3,202
		Harvard Pilgrim Health Care	93.	HHSF223200910006I/HHSF22301009T-012	7,258				7,258
		Harvard Pilgrim Health Care	93.	HHSF223200910006I/HHSF22301012T-000	18,137	-	-	-	18,137
		Harvard Pilgrim Health Care Harvard Pilgrim Health Care	93. 93.	HHSF223200910006I/HHSF22301016T HHSF223200910006I-HHSF22301012T-004	117,630 13,282				117,630 13,282
		Harvard Plight Health Care Harvard School of Public Health	93. 93.	5U90TP000417-05	13,282	13,330			13,282
		John Snow Inc	93	303011000417-03	12 787	13,330			12,787
		Johns Hopkins School of Public Health	93.		183				183
		Johns Hopkins University	93.	HHSN268200736197C	41,490				41,490
		Leidos Biomedical Research Inc	93.	HHSN261200800001E	45,409	446,429			491,838
		Massachusetts General Hospital	93.	HHSN268201000033C/N01-HV-00241	645,176				645,176
		Massachusetts General Hospital	93.	HHSN268201000044C	77,744		-	-	77,744
		Mayo Clinic	93.	HHSN2612012000421		34,383			34,383
		Mayo Clinic Mount Sinai Hospital	93. 93.	HHSN261201200042I HHSN268201000045C	434,721	968	-	-	968 434,721
		Nanofiber Solutions, LLC	93. 93.	HHSN268201000045C					434,721 (722)
		National Association of State Mental Health Program Directors	93.	HHSS2832012000211	(722)	2,000			2,000
		National Opinion Research Center	93.	HHSN275201200004I		91,006			91,006
		New England Research Institute, Inc.	93.	HHSN268200425207C	91,593				91,593
		Northeastern University	93.	HSHQDC-10-D-00030		1,199	-	-	1,199
		Northeastern University	93.	HSHQDC-10-D-0030	-	1,434	-	-	1,434
		Physical Sciences, Inc.	93.	HHSN268201400066C	37,984				37,984
		Physical Sciences, Inc. Polestar Technologies, Inc.	93. 93.	W81XWH-12-C-0075 W81XWH-10-C-0039	-	110,004 (12,909)			110,004 (12,909)
		PPD Development, LLC	93.	HISN261201100105C	3,712	(12,909)			3,712
		President and Fellows of Harvard College	93.	027270.387214.0221	3,712	336			336
		President and Fellows of Harvard College	93.	150123.5065855.0007	(206)	-			(206)
		President and Fellows of Harvard College	93.	HHSN275201000020C	216,659				216,659
		Radiological Society of North America	93.	HHSN268201300071C		51,573		-	51,573
		Radiological Society of North America	93.	HHSN286201300071C		43,912			43,912
		Regents of the University of California	93.	HHSN271201200005-1		(53,999)			(53,999)
		Regents of the University of California Reimers Systems, Inc.	93. 93.	N01-AI-15416 N00014-11-C-0424	(2,656)	9,144			6,488 (45,214)
		SAIC-Frederick, Inc.	93. 93.	N00014-11-C-0424 HHSN261200800001E	647.561	(45,214)		-	(45,214) 647 798
		SensoPath Technologies Inc	93.	HHSN26120120000001E HHSN261201200093C	047,001	97,956			97,956
		Siamab Therapeutics	93.	HHSN2612012000035C		22,775			22,775
		Social and Scientific Systems, Inc.	93.	HHSN261200800001E	37,925	90.271			128,196
		Social and Scientific Systems, Inc.	93.	HHSN272200900001/2/3I, HHSN27200001	2,249	-			2,249
		University of Alabama	93.	HHSN268201100025C	78,225				78,225
		University of Buffalo	93.	HHSN268201100001C	219,660				219,660
		University of California at San Francisco University of Cincinnati	93.	N01A115416 HHSF223201110112A		34,617	-	-	34,617
			93.	HHSF223201110112A HHSN266200700023C	51,062			-	51,062
	NIEHS Superfund Hazardous Substances Basic Research and Education	University of Florida University of Texas, MD Anderson Cancer Center	93. 93.	HHSN266200700023C HHSN261201200034I 02	5,139 1,100		-	-	5,139 1,100
	NIEHS Superrund Hazardous Substances Basic Research and Education Nurse Education, Practice and Retention Grants	University of Texas, MD Anderson Cancer Center University of Utah	93. 93.	W911NF-15-2-0046	29,003			-	29,003
		Westat. Inc.	93.	HHSD2002013M53968B	9.850				9,850
	Nursing Research	Trustees of Boston University	93.143	5P42ES007381-19	51,256				51,256
	-	Boston College	93.359	5UD7HP25059-03-00	354,254		-	-	354,254
		Massachusetts General Hospital	93.359	1D11HP18974-01-00	(9,372)			-	(9,372)
	Occupational Safety and Health Program	Boston College	93.361	1R15NR013274-02	47,462			-	47,462
		Penn State University College of Medicine	93.361	5R01NR012757-03	153,092		-	-	153,092
		President and Fellows of Harvard College	93.361	5R01NR013945-03	40,501			-	40,501
		California Pacific Medical Center Harvard School of Public Health	93.262	5R21OH010204-02 5U19OH008861-07	111,832	-	-	-	111,832
		Harvard School of Public Health Harvard School of Public Health	93.262 93.262	5U19OH008861-07 5U19OH008861-08	-	(135) 143 577		-	(135) 143.577
	Oral Diseases and Disorders Research	Harvard School of Public Health Northeastern University	93.262 93.262	5U19OH008861-08 5R21OH010564-02	-	143,577 13.240	-	-	143,577 13.240
		President and Fellows of Harvard College	93.262	5R010H002421-21	75,528	13,240			75,528
		President and Fellows of Harvard College	93.262	5T42OH008416-10	2,580				2,580

RESEARCH AND RESEARCH PASS	DEVELOPMENT AND RESEARCH TRAINING CLUSTER								
CFDA Agency		Pass-Through Sponsor	CFDA #	Pass-Through Number	BWH	MGH	McLean	Other	Total
		Brigham and Women's Hospital, Inc.	93.121	5U01DE024443-02	-	260,171			260,171
		Carolinas HealthCare System	93.121	1R01DE023375-01A1	25,766				25,766
		Carolinas HealthCare System	93.121	5U01DE022909-04	172,822	-	-	-	172,822
		Forsyth Institute, The Massachusetts Institute of Technology	93.121 93.121	1R01DE024468-01 5R01DE013023-15	-	131,701	-	-	131,701 133,916
	PPHF: Racial and Ethnic Approaches to Community Health Program financed solely by Public Prevention and Health Funds	President and Fellows of Harvard College	93.121 93.121	5R01DE013023-15 5R01DE013349-13S1	81.381	133,916			81,381
	Prevention of Disease, Disability, and Death by Infectious Diseases	Stanford University	93.121	5R01DE021468-05	159.380				159.380
	Recovery Act – Comparative Effectiveness Research - AHRQ	University of North Carolina, Chapel Hill	93.121	5U01DE017018-10	24,274		-	-	24,274
		Partners in Health	93.738	1U58DP005874-1	137,984		-	-	137,984
	Research and Training in Complementary and Alternative Medicine	President and Fellows of Harvard College	93.084	1U38PS004644-01		165,673		91,199	256,872
		Harvard Clinical Research Institute (HCRI) University of Washington - Seattle	93.715 93.715	1R01HS019408-01 1R01HS019222-01	4,795 2.790	-	-	-	4,795 2,790
		Aver and Kuris Research Engineering. Inc	93.715	1R01HS019222-01 1R43AT006489-01	2,790				2,790
		Beth Israel Deaconess Medical Center	93.213	5R01AT005436-05	59.209				59,209
		Beth Israel Deaconess Medical Center	93.213	5R01AT006358-04	94,334		132,843		227,177
		Boston University	93.213	5R01AT007257-03	70,128		-	58	70,186
		Boston University Highland Instruments	93.213 93.213	5R01AT007483-03 1R44AT008637	-				-
		Highland Instruments Massachusetts General Hospital	93.213 93.213	5P01AT006663-05	118,492				118,492
		Massachusetts General Hospital	93.213	5R01AT005280-05	67.626				67,626
		Massachusetts General Hospital	93.213	5R01AT006464-05	77,044		-	-	77,044
		Massachusetts General Hospital	93.213	5U01AT000613-07	-	140,156	-	-	140,156
		Massachusetts General Hospital Miriam Hospital (The)	93.213 93.213	5U01AT000613-11 5R34 AT007569-04	2,133		-	-	2,133 44,664
		Miriam Hospital (The) University of Maryland at Baltimore	93.213 93.213	5R34 A1007569-04 5R34AT006945-03	44,664	- (3)			44,664 (3)
	Research on Healthcare Costs, Quality and Outcomes	University of Michigan	93.213	1R01AT007550-02		(3)			188,044
		Wake Forest University	93.213	5P50AT002782-10	267.596	-			267,596
		Wake Forest University Health Sciences	93.213	P50 AT002782	19,983		-	-	19,983
		Albert Einstein College of Medicine of Yeshiva University	93.226	1R21HS023704-01	22,951		-	-	22,951
		Children's Hospital of Boston	93.226	1R18HS023291-01	64,070	-	-	-	64,070
		Children's Hospital of Boston Duke University	93.226 93.226	5U18HS020513-02 1P50HS023418-01	151,007	957			957 151,007
		Florida State University College of Medicine	93.226	1R01HS018694	(1.920)				(1.920)
		Harvard Clinical Research Institute (HCRI)	93.226	1R01HS022966-01	225,282		-	-	225,282
		Harvard Pilgrim Health Care	93.226	2R01HS018414-06	4,356		-	-	4,356
		Harvard Pilgrim Health Care	93.226	5R18HS021424-04	121,073	-	-		121,073
		Harvard School of Public Health Northwestern University	93.226 93.226	5R18HS019631-03 U19HS021093	18,874 10.053	-	-	-	18,874 10,053
		President and Fellows of Harvard College	93.226	5R01HS018533-05	(32,369)			(123)	(32,492)
		Regents of the University of Michigan	93.226	1R01HS020644-01	(32,309)	(4,325)		(123)	(4,325)
		Society of Hospital Medicine	93.226	1R18HS019598-03	(3,694)	-	-	-	(3,694)
		Trustees of Dartmouth College	93.226	1R01HS018459-01	-		-	-	-
		University of North Carolina, Chapel Hill	93.226	5R18HS020451-03		(531)	-	-	(531)
	Research Related to Deafness and Communication Disorders	University of Oklahoma Health Sciences Center University of Washington	93.226 93.226	1R18HS023919-01 1R01HS022972-01	50,939 22.066			87,742	50,939 109.808
	Research Related to Dealiness and Communication Disorders	Vanderbilt University	93.226	5R18HS020415-03	22,066	10,006		07,742	10,006
		Yale University	93.226	5U18HS016978-08		171,006			171,006
		Arizona State University	93.173	14-362	-				-
		Boston University	93.173	5P50DC013027-03		222,460		-	222,460
		Boston University Duke University	93.173 93.173	5U19DC003610-11 1U24DC012206-01A1	- 1857	(12,759)	-	- 58 677	(12,759) 60,534
		Mass Eye and Ear Institute	93.173	1R01DC014924-01	4,331			56,677	4,331
		Mass Eve and Ear Institute	93.173	5R01DC000194-31		44,327			44,327
		Massachusetts Institute of Technology	93.173	1R01DC011339-01A1	-		-	-	-
		MGH Institute of Health Professions	93.173	1R01DC013547-02	-	15,594	-	-	15,594
		Northwestern University	93.173 93.173	5P50DC012283-03 1R43DC013743-01	-	371,967 38,957	-	-	371,967 38.957
	Test for Suppresssion Effects of Advanced Energy	Physical Sciences, Inc. Regents of the University of California	93.173	2R01DK035423-19A1		(1,419)			(1,419)
	Trans - NIH Revocery Act Research Support	Stanford University	93.173	1R01DC014034-01A1	-	31,344			31,344
		Trustees of Boston University	93.173	5R01DC002852-19	-	31,461	-	1,980	33,441
		University of Colorado	93.999	5U01CA157715-04	118,239			-	118,239
		American College of Radiology Imaging Network (ACRIN)	93.701	5U10CA080098-14	-	12,645	-	-	12,645
		Brigham and Women's Hospital, Inc. EMMES Corporaton	93.701 93.701	U01NS062835 1U01NS026835-01A1	-	652			652
		Tufts University	93.701	1RC2ES018822-01		(2.978)			(2,978)
	Trans - NIH Research Support	University of Pennsylvania	93.701	1RC4AG039114-01	(974)	-	-	-	(974)
		University of Pittsburgh	93.701	1RC1HL102429-01	(4,614)	-	-		(4,614)
		University of Southern California Beth Israel Deaconess Medical Center	93.701 93.310	1RC4AG039115-01 5UH2TR000901-02	(19,528) 122,235	- 10 906		-	(19,528) 133.141
		Beth Israel Deaconess Medical Center Brigham and Women's Hospital, Inc.	93.310 93.310	5UH21R000901-02 5U01HG007690-02	122,235	10,906 101,189		-	133,141 101,189
		Broad Institute. Inc.	93.310	2U54DK102557-02		230,279		-	230,279
		Broad Institute, Inc.	93.310	3R01MH101820-02S1	-	2,283		-	2,283
		Broad Institute, Inc.	93.310	R01DK092405	-	18,761	-	-	18,761
		Broad Institute, Inc.	93.310	U19AI089992	-	1,296		-	1,296
		Broad Institute, Inc. Dana Farber Cancer Institute	93.310 93.310	U54DK023789 3R01HL111759-02S1	- 32,046	18,761		-	18,761 32,046
		Duke University Medical Center	93.310	5R01NS067686-06	32,046			-	501
		Massachusetts Institute of Technology	93.310	5R01GM104948-04	-	253,016		-	253,016
		President and Fellows of Harvard College	93.310	5DP1EB016985-03	-	23,580			23,580
	Vision Research	President and Fellows of Harvard College	93.310	5U54HG006097-03S1	-	(828)			(828)
		Regents of the University of California University of Massachusetts at Worcester	93.310 93.310	5UH2TR000931-02 5UH2TR000888-02	-	37,266 37,926		-	37,266 37,926
		Massachusetts Eye and Ear Infirmary	93.310	2R01EY015473-11	425.662	37,926			425.662
		y	55.567		420,002				.20,002

RESEARCH PASS-THE								
CFDA Agency CF	FDA Program	Pass-Through Sponsor	CFDA # Pass-Through Number	BWH	MGH	McLean	Other	Total
		Massachusetts Eye and Ear Infirmary	93.867 5R01EY020928-04	169.126				169,126
		Massachusetts Institute of Technology	93.867 5P30EY002621-38	-	50,741			50,741
		Tufts University	93.867 5R01EY021820-02	345,718	-			345,718
	Department of Health and Human Services	University of Utah	93.867 R01EY022663	316,473	72.815.598	1.565.526	1.394.055	316,473
	Department of Health and Human Services			61,061,729	72,815,598	1,565,526	1,394,055	137,436,908
Department of Homelar	nd Security							
As	sistance to Firefighters Grant	Cambridge Health Alliance, PSC	97.044 EMW-2011-FP-00663	59,756				59,756
Ce	enters for Homeland Security	Northeastern University	97.061 2008-ST-061-ED0001	-	(90,467)			(90,467)
		Northeastern University	97.061 2013-ST-061-ED0001	-	38,155			38,155
		Northeastern University Northeastern University	97.061 COE-2008-ST-061ED-0001 97.061 HSHQDC-10-D-00030	-	(5,117) 56,038			(5,117) 56,038
		Northeastern University	97.061 HSHQDC-10-D-00030 97.061		56,038			56,038
	Department of Homeland Security	Normada an on Norday	51.551	59.756	(1.959)			57.797
					(1,000)			
Department of Veterans								
	A Boston Healthcare System	Boston Veterans Affairs Medical Center	93.M			<u> </u>	18,401	18,401
	Department of Veterans Affairs				· .	<u> </u>	18,401	18,401
Environmental Protection	nn Agency							
	cience To Achieve Results (STAR) Research Program	Trustees of Dartmouth College	66.509 RD-83544201	59.755				59.755
		University of Illinois at Urbana Champaign	66.509 83543401	50,863				50,863
	Environmental Protection Agency			110,618				110,618
	nd Space Administration erospace Education Services Program	Massachusetts Institute of Technology	43.001 NNX08AX15G		(114)			(114)
Ae	nospace Education Services Program	Massachusetts Institute of Technology	43.001 NNX15AF85G		17.542			17,542
		National Space Biomedical Research Institute (NSBRI)	43.001 SMST02201	-	(14,418)			(14,418)
Ex	ploration	Thomas Jefferson University	43.003 NNX15AC14G	25,182	-			25,182
Te	achnology Transfer	National Space Biomedical Research Institute (NSBRI)	43.002 HFP02701	68,756				68,756
		National Space Biomedical Research Institute (NSBRI)	43.002 HFP02801	301,352		-	-	301,352
		National Space Biomedical Research Institute (NSBRI) National Space Biomedical Research Institute (NSBRI)	43.002 HFP02802 43.002 NCC9-58	237,061	- 19,600			237,061 19,600
		National Space Biomedical Research Institute (NSBRI) National Space Biomedical Research Institute (NSBRI)	43.002 NCC9-58 43.002 SMST02701	-	70.100			70,100
		National Space Biomedical Research Institute (NSBRI)	43.002 SMST02801		477.752			477,752
	National Aeronautics and Space Administration		40.002 000702007	632,351	570,462			1,202,813
National Science Found		- · · · · ·						
Bic	ological Sciences	Duke University Lehigh University	47.074 IOS-929226 47.074 1455613	-	28,532 9,421		-	28,532 9.421
Co	omputer and Information Science and Engineering	Fred Hutchinson Cancer Research Center	47.074 1455615 47.070 IIS-1247813	133.237	9,421			133.237
	singleter and mitorimation occurred and Engineering	University of Pennsylvania	47.070 CNS-1035712	100,207	144.070			144,070
En	ngineering Grants	Argosy Omnimedia, Inc.	47.041 1416946	-	88,229			88,229
		Lumicell Diagnostics, Inc.	47.041 1152489	59,494	· ·			59,494
		Lumicell Diagnostics, Inc.	47.041 1152489 (A221225)	-	18,966			18,966
		Massachusetts Institute of Technology	47.041 CBET-0939511	(15,499)				(15,499)
		Remedium Technologies, Inc. Research Foundation of State University of New York	47.041 IIP-1256477 47.041 CBET-1264440	-	7,390 116,861			7,390 116,861
Ma	athematical and Physical Sciences	Children's Hospital of Boston	47.041 CBE1-1264440 47.049 PHY-1261071		1,439			1,439
IVIE		Trustees of Boston University	47.049 DMS-1042134		78,291			78,291
So	ocial, Behavioral, and Economic Sciences	Trustees of Boston University	47.075 SMA-0835976	146,023			-	146,023
	National Science Foundation			323,255 \$ 66,134,666 \$	493,199 76,033,749 \$	1,565,526 \$	3,207,780 \$	816,454 146,941,721
	d Development Pass-Through							

#### RESEARCH AND DEVELOPMENT AND RESEARCH TRAINING CLUSTER DIRECT TRAINING CFDA Agency CFDA Program CFDA # BWH MGH McLean Other Total Department Of Defense Military Medical Research and Development 12.420 192,999 1,280,819 1,473,818 Department Of Defense 192,999 1,280,819 1,473,818 Department of Energy Office of Science Financial Assistance Program 81.049 577.923 577.923 577,923 577,923 Department of Energy Department of Health and Human Services Aging Research 93.866 741,962 691.952 1.433.914 Alcohol Research Programs 93.273 317,651 114,590 432,241 Allergy, Immunology and Transplantation Research 93.855 2,338,706 3,078,653 5,417,359 Arthritis, Musculoskeletal and Skin Diseases Research 93.846 2,646,341 860,895 3,507,236 Biomedical Research and Research Training 93.859 881,238 653,308 1,534,546 Blood Diseases and Resources Research 93.839 492,337 492,337 Cancer Cause and Prevention Research 93 393 1.167.865 1.167.865 Cancer Research Manpower 93.398 1,492,982 4,555,425 6,048,407 Cardiovascular Diseases Research 93.837 5,821,991 2,530,552 8,352,543 Career Development Awards 93 277 154.793 154,793 Child Health and Human Development Extramural Research 93.865 1,178,130 1,501,090 51,578 295,807 3,026,605 Diabetes, Digestive, and Kidney Diseases Extramural Research 93.847 3,704,403 6,411,668 10,116,071 Discovery and Applied Research for Technological Innovations to Improve Human Health 93.286 306,683 1,074,579 1,381,262 Drug Abuse and Addiction Research Programs 93.279 1,221,826 1,684,584 2,906,410 Environmental Health 93 113 416.635 416.635 Extramural Research Programs in the Neurosciences and Neurological Disorders 698.047 5.470.515 93.853 4.772.468 Human Genome Research 93.172 87,077 87,077 International Research and Research Training 672.215 93 989 361.134 311.081 Lung Diseases Research 93.838 1,929,727 726,785 2,656,512 Medical Library Assistance 93.879 53,105 53,105 Mental Health National Research Service Awards for Research Training 93.282 56,576 56,576 Mental Health Research Career/Scientist Development Awards (12,095)(12,095) 93.281 Mental Health Research Grants 93 242 729 814 4,080,604 1 404 684 6.215.102 National Center on Sleep Disorders Research 93.233 211.699 211.699 National Research Service Award in Primary Care Medicine 93.186 363,627 363,627 \_ National Research Service Awards Health Services Research Training 93 225 45,844 45.844 Oral Diseases and Disorders Research 109,718 109,718 93.121 Research and Training in Complementary and Alternative Medicine 93.213 (9,679) 432,073 422,394 Research on Healthcare Costs, Quality and Outcomes 93.226 261,645 20,123 281.768 Research Related to Deafness and Communication Disorders 93.173 65,326 35,806 29,520 Trans - NIH Research Support 93.310 124,110 136 889 260,999 Vision Research 93.867 (524)(524) Department of Health and Human Services 24,443,100 35,267,643 3.312.012 325.327 63,348,082 National Science Foundation Social, Behavioral, and Economic Sciences 47.075 19,155 19,155 National Science Foundation 19,155 19,155 24,636,099 37,145,540 3,312,012 325,327 \$ \$ \$ \$ 65,418,978

Total Direct Training

RESEARCH AND DEVELOPMENT AND RESEARCH TRAINING PASS-THROUGH	1 TRAINING CLUSTER								
CFDA Agency	CFDA Program	Pass-Through Sponsor	CFDA #	Pass-Through Number	BWH	MGH	McLean	Other	Total
Department of Health and Human Services		Beth Israel Deaconess Medical Center	93,866						
	Aging Research	Beth Israel Deaconess Medical Center Boston University	93.866	5T32AG23480-10 5T32AG000277-10	\$ 45,432 \$	- \$ (4.841)	- \$	- \$	45,432 (4.841)
		Harvard Medical School	93.866	5T32AG000222-23	-	(4,841) 62,831			(4,841) 62,831
		President and Fellows of Harvard College	93.866	2T32AG000222-23	-	(533)			(533)
		President and Fellows of Harvard College	93.866	2T32AG000222-23		24,388			24,388
		President and Fellows of Harvard College	93.866	2T32AGOO0222-22	15,364	24,000			15,364
		President and Fellows of Harvard College	93.866	5K01AT004916-05	-			(110)	(110)
		President and Fellows of Harvard College	93.866	5T32AG000222-22	20,682				20,682
		President and Fellows of Harvard College	93.866	5T32AG000222-23	37,612				37,612
	Allergy, Immunology and Transplantation Research	Harvard Medical School	93.855	5T32Al007245-30		(8)			(8)
		President and Fellows of Harvard College	93.855	2P30Al060354-11	-	3,916			3,916
		President and Fellows of Harvard College	93.855	5P30Al060354-10	-	(1,276)			(1,276
		President and Fellows of Harvard College President and Fellows of Harvard College	93.855 93.855	5T32Al007245-30 5T32Al007433-21	(4,763)	(322)			(4,763)
		President and Fellows of Harvard College	93.855	5T32Al007433-22		(322)			88.420
		President and Fellows of Harvard College	93.855	5T32AI007433-23		26,592			26,592
		President and Fellows of Harvard College	93.855	5T32Al007433-24	61,438	58,131			119,569
	Blood Diseases and Resources Research	Children's Hospital of Boston	93.839	5T32HL066987-14	43,906	55,185			99,091
	Cancer Cause and Prevention Research	Beth Israel Deaconess Medical Center	93.393	5K23CA139005-05		(745)			(745
	Cancer Centers Support Grants	Dana Farber Cancer Institute	93.397	5P50CA090381-10	(6,431)	-			(6,431
		SARC	93.397	5U54CA168512-01	83,636				83,636
	Cancer Research Manpower	Dana Farber Cancer Institute	93.398	5T32CA009361-32	53,424				53,424
		President and Fellows of Harvard College	93.398	5T32CA009001-38	3,809				3,809
		President and Fellows of Harvard College	93.398	5T32CA009001-39	53,404				53,404
	Cardiovascular Diseases Research	Beth Israel Deaconess Medical Center Beth Israel Deaconess Medical Center	93.837 93.837	2T32HL007734-21A1 5K23HL114963-02		35,433 19,483			35,433 19,483
		Beth Israel Deaconess Medical Center Beth Israel Deaconess Medical Center	93.837	5K23HL114963-02 5T32HL007893-17	-	13,287			13,287
		Newark Beth Israel Medical Center	93.837	5K23HL083096-05	8,273	13,207			8,273
		University of Maryland	93.837	5U01HL099997-07	0,275	399			399
	Child Health and Human Development Extramural Research	Children's Hospital of Boston	93.865	1T32HD075727-02		32,760			32,760
		Dana Farber Cancer Institute	93.865	5K12HD052896-08	29,106				29,106
		University of Pittsburgh	93.865	5K12HD001097-18	-			119,821	119,821
	Diabetes, Digestive, and Kidney Diseases Extramural Research	Cedar-Sinai Medical Center	93.847	5K23DK085148-05	-	16,910			16,910
		Georgia Regents University	93.847	3U24DK076169-08S4	-	5,463	-		5,463
		Joslin Diabetes Center	93.847	5T32DK007260-37		36,162			36,162
	Drug Abuse and Addiction Research Programs	International AIDS Society	93.279	2013D002898		13,581			13,581
	Environmental Health	President and Fellows of Harvard College	93.113		10,160	-			10,160
	Extramural Research Programs in the Neurosciences and Neurological Disorders	President and Fellows of Harvard College President and Fellows of Harvard College	93.853 93.853	3T32NS048005-10S1 5T32NS048005-10		52,721 (903)			52,721 (903)
	Geriatric Training for Physicians, Dentists and Behavioral/Mental Health Professionals	Beth Israel Deaconess Medical Center	93.853	5D01HP08794-08-00	6,513	(903)			(903) 6,513
	Global AIDS	Beth Israel Deaconess Medical Center	93.067	5U2GGH0011-40-02	132,338				132,338
	International Research and Research Training	Instituto de Efectividad Clinica y Sanitaria	93,989	5D43TW009126-04	7,801				7.801
		Vanderbilt Medical Center	93.989	5R24TW007988-05	.,	(1,148)			(1,148)
		Vanderbilt University	93.989	5R25TW009337-03		100,709			100,709
	Maternal and Child Health Federal Consolidated Programs	President and Fellows of Harvard College	93.110	114946.6001	25,763				25,763
	Mental Health Research Grants	Harvard Medical School	93.242	5T32MH019733-19	-	42,222			42,222
		Judge Baker Children's Center	93.242	5T32MH016259-32	-	4,136			4,136
		Judge Baker Children's Center	93.242	5T32MH016259-35	42,393	39,882			82,275
		Massachusetts General Hospital	93.242	1K23MH100450-01A1	-	-	9,213		9,213
		President and Fellows of Harvard College	93.242	5T32MH017119-28	-	(9,030)			(9,030)
	National Center for Advancing Translational Sciences	President and Fellows of Harvard College President and Fellows of Harvard College	93.350 93.350	1KL2TR001100-01 1KL2TR001100-02	(8,313)	(1,465)			(8,313)
		President and Fellows of Harvard College President and Fellows of Harvard College	93.350	1UL 1TR001102-01	(2,726)	(1,405)			(1,465)
		President and Fellows of Harvard College	93.350	5KL2TR001100-02	159,535	99,765			259,300
		President and Fellows of Harvard College	93,350	5KL2TR001100-03	96,428	341,190			437,618
		President and Fellows of Harvard College	93.350	5UL1TR001102-02	30,226	35,413			65.639
		President and Fellows of Harvard College	93.350	8KL2TR000168-05	-	(9,808)			(9,808)
	National Research Service Awards_Health Services Research Training	Children's Hospital of Boston	93.225	5T32HS000063-21	59,188				59,188
	Research and Training in Complementary and Alternative Medicine	Beth Israel Deaconess Medical Center	93.213	2T32AT000051-16	-	51,145			51,145
		Beth Israel Deaconess Medical Center	93.213	5K24AT004095-08	1,609				1,609
		Beth Israel Deaconess Medical Center	93.213	5K24AT004095-09	7,059				7,059
		Tufts Medical Center, Inc.	93.213	5K24AT007323-02	-	24,196		-	24,196
	Research on Healthcare Costs, Quality and Outcomes	Children's Hospital of Boston	93.226	1K12HS022986-01	-	166,121			166,121
	Substance Abuse and Mental Health Services_Projects of Regional and National Significance Vision Research	American Psychiatric Assocation (APA)	93.243	ET22EV00714E 17	38.549	(293)			(293
		Schepens Eye Research Institute	93.867	5T32EY007145-17	0010.10	-			38,549
	Department of Health and Human Services				1,051,415	1,420,069	9,213	119,711	2,600,408
National Aeronautics and Space Administration									
	Technology Transfer National Aeronautics and Space Administration	National Space Biomedical Research Institute (NSBRI)	43.002	PF03002	2,516	<u> </u>	<u> </u>	<u> </u>	2,516
Total Training Pass-Through	National Aeronautics and Space Administration				\$ 1,053,931 \$	1,420,069 \$	9,213 \$	119,711 \$	2,516
Total Research and Development and Research Ti	raining Cluster				\$ 1,053,931 \$ \$ 440,713,248 \$	454,636,272 \$	9,213 \$	9,067,988 \$	2,602,924 932,099,581
rotal Research and Development and Research II					φ 440,/13,248 \$	434,030,212 \$	21,002,013 \$	3,007,300 \$	332,033,381

STUDENT FINANCIAL AID CLUSTER CFDA Agency CFDA Program	CFDA #	BWH	1	MGH	McLean	Other	Total
Department of Education							
Federal Direct Student Loans	84.268	\$	-	\$ 84,444	\$ -	\$ 30,677,995	\$ 30,762,439
Department of Education			-	 84,444	 -	 30,677,995	 30,762,439
Department of Health and Human Services							
Nurse Faculty Loan Program (NFLP)	93.264		-	-	-	45,317	45,317
ARRA - Nurse Faculty Loan Program	93.408		-	-	 -	(862)	 (862)
Department of Health and Human Services			-	 -	 -	 44,455	 44,455
Total Student Financial Aid Cluster		\$	-	\$ 84,444	\$ -	\$ 30,722,450	\$ 30,806,894

OTHER PROGRAMS CFDA Agency	CFDA Program	Pass-Through Sponsor	CFDA #	Pass-Through Number	BWH	MGH	McLean	Other	Total
Department of Agriculture	Special Supplemental Nutrition Program for Women, Infants, and Children	Massachusetts Department of Public Health Massachusetts Department of Public Health	10.557 10.557	INTF3502M03700915066 INTF3502M03700915059	\$ 525,295 \$	- \$ 1.045.044	- \$	- \$	525,295 1.045.044
	Department of Agriculture	wasachuseus Department of Fubic Fleatur	10.337	1411 33021003700313033	525,295	1,045,044			1,570,339
Department of Education									
	Special Education-Grants for Infants and Families	Massachusetts Department of Public Health Massachusetts Department of Public Health	84.181 84.181	INTF3601HH2500224 INTF3601HH2500224167		(22,404) 118,122	-		(22,404) 118,122
	Department of Education	Massachusetts Department of Public Health	84.181	INTF3601HH2706811161	<u> </u>	(131) 95,587		<u> </u>	(131) 95,587
	Department of Education				<u> </u>	93,367	<u> </u>	<u> </u>	93,387
Department of Health and Human Services	Affordable Care Act (ACA) Childhood Obesity Research Demonstration	Massachusetts Department of Public Health	93.535	5U18DP003370-04		402,978			402,978
	Affordable Care Act (ACA) Maternal, Infant, and Early Childhood Home Visiting Program	Massachusetts Department of Public Health Massachusetts Department of Public Health	93.505 93.505	INTF3617MM3W11712007 INTF3617MM3W11712010		381,774 302,935			381,774 302,935
	ARRA PREVENTING HEALTHCARE-ASSOCIATED INFECTIONS	State of Tennessee Department of Health	93.717		1,762				1,762
	Birth Defects and Developmental Disabilities - Prevention and Surveillance Centers for Disease Control and Prevention_Investigations and Technical Assistance	Massachusetts Department of Public Health Massachusetts Department of Public Health	93.073 93.283	INTF3122H78500224039 1U01DD000493-01		124,063 (3,313)			124,063 (3,313)
	Family Planning_Services	Action For Boston Community Development Action For Boston Community Development		FPHPA016027-01-00	13,965 33,458	- (38,486)			13,965 (5,028)
	HIV Care Formula Grants	City of Springfield	93.917	20150112	- 33,408	(38,486)		120,203	120,203
	HIV Emergency Relief Project Grants	Massachusetts Department of Public Health BOSTON PUBLIC HEALTH COMMISSION	93.917 93.914	INTF4943MM3200120017 6H89HA00011-21-06		- 157.648		361,295	361,295 157,648
	Hospital Preparedness Program (HPP) Ebola Preparedness and Response Activities	Department of Public Health	93.817			696,833			696,833
	Maternal and Child Health Federal Consolidated Programs Mental Health Research Grants	Commonwealth Of Massachusetts SUNY Upstate Medical University	93.110 93.242	INTF3121M04403616016 5R01MH064824-13	- 105,888	33,156			33,156 105,888
	National Bioterrorism Hospital Preparedness Program	Commonwealth Of Massachusetts Department of Homeland Security	93.889 93.889	UNASSIGNED				21,723 27,256	21,723 27,256
		Massachusetts Board of Health	93.889	161326				416	416
		Massachusetts Department of Public Health Massachusetts Department of Public Health	93.889 93.889	INTF6207PP1204215576 INTF6207PP1204215596		-		8,555 7,711	8,555 7,711
		Massachusetts Department of Public Health	93.889	INTF6207PP1204215598		6,829		- 14.483	6,829 14,483
		Massachusetts Department of Public Health Massachusetts Department of Public Health	93.889 93.889	INTF6207PP1204215629 INTF6207PP1204215649				14,483 35,192	14,483 35,192
		Massachusetts Department of Public Health Massachusetts Department of Public Health	93.889 93.889	INTF6207PP1204215668 INTF6207PP1204215670		- 27.908		13,428	13,428 27,908
		Massachusetts Department of Public Health	93.889	INTF6207PP1204215679				10,126	10,126
		Massachusetts Department of Public Health Massachusetts Department of Public Health	93.889 93.889	INTF620PP1204215681	- 28,359			1,156 3,088	1,156 31,447
	National Institutes of Health Contracts	Massachusetts Hospital Association Commonwealth Of Massachusetts	93.889 93.	2H3HRH00011-12-00 INTF2351MM3802114012		- 121.851		20,428	20,428 121.851
	National institutes of realth Contracts	Commonwealth Of Massachusetts	93.	INTF3210MM3300123138		253,229		-	253,229
	Partnerships to Improve Community Health	Massachusetts Department of Public Health Boston Public Health Commission. City of Boston	93. 93.331	INTF3122HH4300522029 1U58DP005788-01		76,778 6,679		-	76,778 6.679
	Research on Healthcare Costs, Quality and Outcomes Small Rural Hospital Improvement Grant Program	Massachusetts Department of Public Health Department of Public Health-Rural Health Division	93.226 93.301	1R18HS019508-01 NERHRT	(3,204)	-		15,008	(3,204) 15,008
	Department of Health and Human Services	Department of Public Health-Kurai Health Division	93.301	NEKTIKI	180,228	2,550,862		660,068	3,391,158
Department of Housing and Urban Development									
	Continuum of Care Program	Hilltown Community Development Corp.	14.267	MA0401L1T071201	<u> </u>	-	<u> </u>	107,855	107,855
	Department of Housing and Urban Development				<u> </u>	<u> </u>		107,855	107,855
Department of Justice	Drug-Free Communities Support Program Grants	US Department of Justice	16 729	2005-JW-BX-K013		61			61
	OVW Technical Assistance Initiative	BOSTON PUBLIC HEALTH COMMISSION		2013-HI-AX-K008	(19,579)			<u> </u>	(19,579)
Total Other Deserves	Department of Justice				(19,579)	61	<u> </u>		(19,518)
Total Other Programs TOTAL FEDERAL EXPENDITURES					\$ 685,944 \$ \$ 441,399,192 \$	3,691,554 \$ 458,412,270 \$	<u>- \$</u> 27,682,073 \$	767,923 \$ 40,558,361 \$	5,145,421 968.051.896
					¥ 1,333,132 \$	450,412,210 \$	21,002,013 \$	40,000,001 Ø	300,031,030

#### 1. Organization

Partners HealthCare System, Inc. (PHS) is the sole member of The Massachusetts General Hospital (MGH), Brigham and Women's Health Care, Inc. (BWHC), NSMC HealthCare, Inc. (NSMC), Newton-Wellesley Health Care System, Inc. (NWHCS), Partners Continuing Care, Inc. (PCC), Partners HealthCare International, LLC (PHI) and Neighborhood Health Plan, Incorporated (NHP). The two physicians who serve as the President and Chief Executive Officer of PHS (PHS CEO) and the Chief Clinical Officer of PHS are the members of Partners Community Physicians Organization, Inc. (PCPO) formerly known as Partners Community HealthCare, Inc. The individual serving as the PHS CEO is the sole member of Partners Medical International, Inc. (PMI). PHS, together with all of its affiliates, is referred to as "Partners HealthCare."

Partners HealthCare currently operates two tertiary and seven community acute care hospitals in Massachusetts, one facility providing inpatient and outpatient mental health services and three facilities providing inpatient and outpatient services in rehabilitation medicine and long-term care. Partners HealthCare also operates physician organizations and practices, a home health agency, nursing homes and a graduate level program for health professions. Partners HealthCare provides services to patients primarily from the Greater Boston area as well as New England and beyond. In addition, Partners HealthCare is a nonuniversity-based nonprofit private medical research enterprise and is a principal teaching affiliate of the medical and dental schools of Harvard University. Partners HealthCare also operates a licensed, not-for-profit managed care organization that provides health insurance products to the Medical Assistance Program (Medicaid), Commonwealth Care (a series of health insurance plans for adults who meet income and other eligibility requirements) 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 Partners HealthCare and is recorded on the accrual basis of accounting.

The information in the Schedule is presented in accordance with the requirements of OMB Circular A-133. 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. Catalog of Federal Domestic Assistance (CFDA) and pass-through numbers are provided where available.

The Schedule identifies expenditures (in separate columns) of The Brigham and Women's Hospital, Inc. (BWH), The General Hospital Corporation (MGH) and The McLean Hospital Corporation (McLean). The Schedule combines expenditures of the MGH Institute of Health Professions (IHP), which is a graduate school that grants degrees in the field of health sciences, the Spaulding Rehabilitation Hospital Corporation (SRH), North Shore Medical Center, Inc. (NSMC), Newton Wellesley Hospital (NWH), Brigham and Women's Faulkner Hospital, Inc. (BWFH), Martha's Vineyard Hospital (MVH), Nantucket Cottage Hospital (NCH) and Cooley Dickinson Hospital (CDH) under the column "Other." These entities are all affiliates of Partners HealthCare. Expenditures reported in the Other column are delineated in the table that follows:

OTHER COLUMN BY ENTITY	BWFH	CDH	IHP	М∨н	NCH	NSMC	NWH	SRH	Total
Research and Development Direct Programs	\$ -	\$-	\$ 2,222,627	\$ -	\$-	\$-	\$-	\$ 3,192,543	\$ 5,415,170
Research and Development Passed Through Other Organizations	-	-	964,685	-	-	-	22,074	2,221,021	3,207,780
Research Training Direct Programs	-	-	29,520	-	-	-	-	295,807	325,327
Research Training Passed Through Other Organizations	-	-	-	-	-	-	-	119,711	119,711
Student Financial Aid Other Programs	21,139	603,836	30,722,450	- 35,708	- 11,426	46,835	- 48,979	-	30,722,450 767,923
	\$ 21,139	\$ 603,836	\$ 33,939,282	\$ 35,708	\$ 11,426	\$ 46,835	\$ 71,053	\$ 5,829,082	\$ 40,558,361

#### 3. Federal Student Loan Programs

During the year ended September 30, 2015, Partners HealthCare authorized the following amounts of new loans under the Federal Direct Student Loan Program:

		IHP	MGH	Total
84.268	Federal Direct Student Loans	\$ 12,061,167	\$ -	\$ 12,061,167
84.268	Federal Direct Student Loans - Direct Plus	105,999	-	105,999
84.268	Federal Direct Student Loans - Stafford	1,318,517	84,444	1,402,961
84.268	Federal Direct Student Loans - SLA	17,192,312	-	17,192,312
93.264	Nurse Faculty Loan Program	45,317	-	45,317
93.408	ARRA - Nurse Faculty Loan Program	(862)	 -	 (862)
	Total Federal Direct Student Loans	\$ 30,722,450	\$ 84,444	\$ 30,806,894

As of September 30, 2015, IHP had loans outstanding of \$274,201 for loans issued as part of the Nurse Faculty Loan Program and ARRA - Nurse Faculty Loan Program. The ARRA loans (CFDA number 93.408) were \$23,772 and the Non-ARRA loans (CFDA number 93.264) were \$250,429. As of September 30, 2015, there were no loans outstanding for MGH.

#### 4. Facilities and Administrative and Fringe Benefit Costs

Federal expenditures for Research and Development include facilities and administrative cost recoveries and fringe benefit cost recoveries in the amounts reported in the Schedule. Expenditures reported in Training and Other include the maximum facilities and administrative recoveries approved by the sponsor as well as fringe benefit recoveries. Partners HealthCare affiliates negotiated and were awarded facilities and administrative cost rates and fringe benefit rates with the DHHS Division of Cost Allocation as follows:

Institution	Rate Type	Period Covered	Rate
BWH	On-site research	Oct 1, 2014 - Sep 30, 2015	77%
	Off-site research	Oct 1, 2014 - Sep 30, 2015	27%
	Fringe	Oct 1, 2014 - Sep 30, 2015	12%-34%
IHP	On-site research	Oct 1, 2014 - Sep 30, 2015	60%
	Off-site research	Oct 1, 2014 - Sep 30, 2015	35%
	Fringe	Oct 1, 2014 - Sep 30, 2015	12%-37%
MGH	On-site research	Oct 1, 2014 - Sep 30, 2015	74%
	Off-site research	Oct 1, 2014 - Sep 30, 2015	27%
	Fringe	Oct 1, 2014 - Sep 30, 2015	12%-37%
McLean	On-site research	Oct 1, 2014 - Sep 30, 2015	58%
	Fringe	Oct 1, 2014 - Sep 30, 2015	31%
SRH	On-site research	Oct 1, 2014 - Sep 30, 2015	65%
	Fringe	Oct 1, 2014 - Sep 30, 2015	31%

#### 5. Women, Infants and Children (CFDA Number 10.557)

In addition to the \$1,570,339 presented in the Schedule for the Special Supplemental Nutrition Program for Women, Infants and Children grants, CFDA number 10.557, Partners HealthCare determines participant eligibility for receipt of food vouchers. The food vouchers for which Partners HealthCare determined eligibility amounted to \$4,649,205 in 2015.

#### 6. Subrecipients

During 2015, Partners HealthCare provided \$151,714,800 to subrecipients in the Research and Development and Research Training Cluster including \$87,355,483 from Brigham and Women's Hospital, \$60,074,054 from Massachusetts General Hospital, \$2,986,416 from McLean Hospital, \$879,132 from the MGH Institute of Health Professions and \$419,715 from Spaulding Rehabilitation Hospital.

During 2015, Partners HealthCare provided \$51,613 from Massachusetts General Hospital to a subrecipient through state contract INTF3210MM3300123138 and classified as an "Other" program in the Schedule of Expenditure of Federal Awards.

Part II Reports on Compliance and Internal Controls



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

To the Board of Directors of Partners HealthCare System, Inc. and Affiliates

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 Partners HealthCare System, Inc. and Affiliates (Partners HealthCare) which comprise the consolidated balance sheets as of September 30, 2015, and the related consolidated statements of operations, changes in net assets and cash flows for the year then ended, and the related notes to the consolidated financial statements, and have issued our report thereon dated December 11, 2015.

### Internal Control Over Financial Reporting

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

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

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#### **Compliance and Other Matters**

As part of obtaining reasonable assurance about whether Partners HealthCare's consolidated financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts and grant agreements, noncompliance with which could have a direct and material effect on the determination of consolidated 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.

PriewaterhouseCoopers 11P

December 11, 2015



## Independent Auditor's Report 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 OMB Circular A-133

To the Board of Directors of Partners HealthCare System, Inc. and Affiliates

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

We have audited Partners HealthCare System, Inc. and Affiliates' (Partners HealthCare) compliance with the types of compliance requirements described in the *OMB Circular A-133 Compliance Supplement* that could have a direct and material effect on each of its major federal programs for the year ended September 30, 2015. Partners HealthCare'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 the requirements of laws, regulations, contracts, and grants applicable to its federal programs.

### Auditor's Responsibility

Our responsibility is to express an opinion on compliance for each of Partners HealthCare'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 OMB Circular A-133, *Audits of States, Local Governments, and Non-Profit Organizations*. Those standards and OMB Circular A-133 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 Partners HealthCare'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 Partners HealthCare's compliance.

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

In our opinion, Partners HealthCare 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, 2015.

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

Management of Partners HealthCare 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 Partners HealthCare'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 OMB Circular A-133, 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 Partners HealthCare'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 has a material weakness in internal control over compliance 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 OMB Circular A-133. Accordingly, this report is not suitable for any other purpose.

PriewaterhouseCoopers JJP

December 23, 2015

Part III Federal Award Findings and Questioned Costs

## 1. Summary of Auditor's Results

Financial Statements Type of auditor's report issued	Unmodified
Internal control over financial reporting Material weakness(es) identified? Significant deficiency(ies) identified that are not considered to be material weaknesses?	yes <u>X</u> no yes <u>X</u> none reported
Noncompliance material to financial statements noted?	yes <u>X</u> no
Federal Awards Internal control over major programs Material weakness(es) identified? Significant deficiency(ies) identified that are not considered to be material weaknesses?	yes <u>X</u> no yes <u>X</u> none reported
Type of auditor's report issued on compliance for major programs	Unmodified
Any audit findings disclosed that are required to be reported in accordance with section 510(a) of OMB Circular A-133	yes <u>_X_</u> no
Identification of Major Programs	Name of Federal Program or Cluster
Identification of Major Programs Various CFDA numbers	Name of Federal Program or Cluster Research and Development, Research Training
	Research and Development,
Various CFDA numbers	Research and Development, Research Training
Various CFDA numbers Various CFDA numbers	Research and Development, Research Training Student Financial Aid ACA Maternal, Infant, and Early
Various CFDA numbers Various CFDA numbers 93.505 Dollar threshold used to distinguish between Type A	Research and Development, Research Training Student Financial Aid ACA Maternal, Infant, and Early Childhood Home Visiting Program
Various CFDA numbers Various CFDA numbers 93.505 Dollar threshold used to distinguish between Type A and Type B programs	Research and Development, Research Training Student Financial Aid ACA Maternal, Infant, and Early Childhood Home Visiting Program \$3,000,000
Various CFDA numbers Various CFDA numbers 93.505 Dollar threshold used to distinguish between Type A and Type B programs Auditee qualified as low-risk auditee?	Research and Development, Research Training Student Financial Aid ACA Maternal, Infant, and Early Childhood Home Visiting Program \$3,000,000

No findings to report.

2.

3.

#### A. Summary of Status of Prior Year Findings

#### 2014-001 Unallowable Costs

Partners HealthCare is subject to compliance requirements for allowability of costs under OASC-3 Hospital Cost Principles Section III B and the National Institutes of Health policy statement.

Of the 200 direct costs tested, PwC noted a \$1,817 charge for an airline flight which was expensed twice to the grant.

#### **Current Status of Prior Year Findings Listed Above**

Management's corrective action in response to the Prior Year Finding from 2014 was fully implemented during 2015, and we identified no reportable findings as a result of direct cost testing.

#### B. Other Matters

In FY14 Partners HealthCare identified one federal award in the Research and Development Cluster at Massachusetts General Hospital where salaries were incorrectly charged to the grant. Management performed an extensive review and identified corrections that were completed in the same year. Corrective action initiated in FY14 was completed as of March 2015.