Stanford University

E.I.N. # 941156365 Reports on Financial Statements and Federal Award Programs in Accordance with OMB Circular A-133 For the year ended August 31, 2014

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Independent Auditor's Report

To the Board of Trustees of The Leland Stanford Junior University

Report on the Consolidated Financial Statements

We have audited the accompanying consolidated financial statements of the Leland Stanford Junior University and its subsidiaries (the "University"), which comprise the consolidated statements of financial position as of August 31, 2014 and 2013, and the related consolidated statements of activities and cash flows for the years then ended, and the related notes to the 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 audit. We conducted our audit 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 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 is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

In our opinion, the consolidated financial statements referred to above present fairly, in all material respects, the consolidated financial position of the University as of August 31, 2014 and 2013, and the changes in its net assets and its cash flows for the years then ended in accordance with accounting principles generally accepted in the United States of America.

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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 Summary Schedule of Expenditures of Federal Awards and Schedule of Expenditures of Federal Awards (the "Schedules") for the year ended August 31, 2014 are 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 are not a required part of the consolidated financial statements. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the consolidated financial statements. The information has been subjected to the auditing procedures applied in the audit of the consolidated financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the consolidated financial statements or to the consolidated financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the Schedules are 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 10, 2014 on our consideration of the University's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts and grant agreements and other matters for the year ended August 31, 2014. 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 the University's internal control over financial reporting and compliance.

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San Francisco, California December 10, 2014

CONSOLIDATED STATEMENTS OF FINANCIAL POSITION

At August 31, 2014 and 2013 (in thousands of dollars)

				2014				2013
	U	VIVERSITY	H	IOSPITALS	CO	NSOLIDATED	CO	NSOLIDATED
ASSETS								
Cash and cash equivalents	\$	630,214	\$	641,812	\$	1,272,026	\$	1,421,683
Assets limited as to use		300,566		751,066		1,051,632		896,182
Accounts receivable, net		454,990		698,519		1,153,509		1,008,338
Receivables (payables) from SHC and LPCH, net		85,909		(85,909)		-		-
Prepaid expenses and other assets		67,869		151,360		219,229		199,108
Pledges receivable, net		711,795		254,032		965,827		961,734
Student loans receivable, net		81,441		-		81,441		78,437
Faculty and staff mortgages and other loans receivable, net		507,187		-		507,187		453,330
Investments at fair value, including securities pledged or on loan								
of \$155,758 and \$55,355 for 2014 and 2013, respectively	2	7,828,590		2,634,974		30,463,564		26,974,475
Plant facilities, net of accumulated depreciation		4,558,913		2,273,399		6,832,312		5,994,616
Works of art and special collections		-		-		-		-
TOTAL ASSETS	\$ 35	5,227,474	\$	7,319,253	\$	42,546,727	\$	37,987,903
LIABILITIES AND NET ASSETS								
LIABILITIES:								
Accounts payable and accrued expenses	\$	644,821	\$	750,246	\$	1,395,067	\$	1,332,137
Accrued pension and post retirement benefit cost		566,236		117,339		683,575		669,585
Pending trades of securities		232,893		-		232,893		405,748
Liabilities under security lending agreements		191,011		-		191,011		84,048
Deferred rental and other income		616,575		-		616,575		584,067
Income beneficiary share of split interest agreements		436,166		-		436,166		394,195
Notes and bonds payable	:	3,264,636		1,873,873		5,138,509		4,782,478
U.S. government refundable loan funds		53,999		-		53,999		54,019
TOTAL LIABILITIES	(6,006,337		2,741,458		8,747,795		8,306,277
NET ASSETS:								
Unrestricted	1	5,467,689		3,451,013		18,918,702		16,429,137
Temporarily restricted		7,844,164		915,748		8,759,912		7,419,222
Permanently restricted		5,909,284		211,034		6,120,318		5,833,267
TOTAL NET ASSETS	29	9,221,137		4,577,795		33,798,932		29,681,626
TOTAL LIABILITIES AND NET ASSETS	\$ 35	5,227,474	\$	7,319,253	\$	42,546,727	\$	37,987,903

CONSOLIDATED STATEMENTS OF ACTIVITIES

For the years ended August 31, 2014 and 2013 (in thousands of dollars)

			2014				2013
	U	NIVERSITY	HOSPITALS	COI	NSOLIDATED	CO	NSOLIDATED
UNRESTRICTED NET ASSETS							
OPERATING REVENUES:							
Student income:							
Undergraduate programs	\$	317,401	\$ -	\$	317,401	\$	311,027
Graduate programs		313,824	-		313,824		297,042
Room and board		151,313	-		151,313		144,887
Student financial aid		(248,848)	-		(248,848)		(241,512)
TOTAL STUDENT INCOME		533,690	-		533,690		511,444
Sponsored research support:							
Direct costs - University		669,670	-		669,670		657,296
Direct costs - SLAC National Accelerator Laboratory		369,317	-		369,317		350,406
Indirect costs		227,160	-		227,160		225,500
TOTAL SPONSORED RESEARCH SUPPORT		1,266,147	-		1,266,147		1,233,202
Health care services:							
Patient care, net		-	3,914,973		3,914,973		3,710,326
Physicians' services and support - SHC and LPCH, net		670,023	(670,023)		-		-
Physicians' services and support - other facilities, net		27,482	-		27,482		23,250
TOTAL HEALTH CARE SERVICES		697,505	3,244,950		3,942,455		3,733,576
CURRENT YEAR GIFTS IN SUPPORT OF OPERATIONS		211,841	678		212,519		185,145
Net assets released from restrictions:							
Payments received on pledges		98,630	1,556		100,186		81,781
Prior year gifts released from donor restrictions		38,063	8,148		46,211		45,231
TOTAL NET ASSETS RELEASED FROM RESTRICTIONS		136,693	9,704		146,397		127,012
Investment income distributed for operations:							
Endowment		985,215	14,551		999,766		934,303
Expendable funds pools and other investment income		180,895	735		181,630		84,458
TOTAL INVESTMENT INCOME DISTRIBUTED FOR OPERATIONS		1,166,110	15,286		1,181,396		1,018,761
SPECIAL PROGRAM FEES AND OTHER INCOME		493,446	148,096		641,542		549,428
TOTAL OPERATING REVENUES		4,505,432	3,418,714		7,924,146		7,358,568
OPERATING EXPENSES:							
Salaries and benefits		2,659,610	1,689,502		4,349,112		4,029,022
Depreciation		310,958	148,185		459,143		425,585
Other operating expenses		1,321,272	1,259,750		2,581,022		2,339,137
TOTAL OPERATING EXPENSES		4,291,840	3,097,437		7,389,277		6,793,744
CHANGE IN NET ASSETS FROM OPERATING ACTIVITIES	\$	213,592	\$ 321,277	\$	534,869	\$	564,824

CONSOLIDATED STATEMENTS OF ACTIVITIES, Continued For the years ended August 31, 2014 and 2013 (in thousands of dollars)

		2014			2013		
	UNIVERSITY	HOSPITALS	CO	NSOLIDATED	CON	SOLIDATED	
UNRESTRICTED NET ASSETS (continued)							
CHANGE IN NET ASSETS FROM OPERATING ACTIVITIES	\$ 213,592	\$ 321,277	\$	534,869	\$	564,824	
NON-OPERATING ACTIVITIES:							
Increase in reinvested gains	1,561,670	288,009		1,849,679		1,077,779	
Donor advised funds, net	29,314	-		29,314		1,930	
Current year gifts not included in operations	17,673	-		17,673		2,902	
Equity and fund transfers from Hospitals, net	69,018	(69,018)		-		-	
Capital and other gifts released from restrictions	167,626	380		168,006		201,483	
Pension and other post employment benefit related changes							
other than net periodic benefit expense	11,952	5,725		17,677		178,080	
Transfer to permanently restricted net assets, net	(41,232)	-		(41,232)		(37,010)	
Transfer to temporarily restricted net assets, net	(41,028)	-		(41,028)		(19,621	
Swap interest and change in value of swap agreements	(12,072)	(37,532)		(49,604)		120,610	
Other	5,765	(1,554)		4,211		(185	
NET CHANGE IN UNRESTRICTED NET ASSETS	1,982,278	507,287		2,489,565		2,090,792	
TEMPORARILY RESTRICTED NET ASSETS							
Gifts and pledges, net	372,875	88,179		461,054		441,719	
Increase in reinvested gains	1,083,505	44,460		1,127,965		558,697	
Change in value of split interest agreements, net	18,470	212		1,127,505		1,438	
Net assets released to operations	(136,693)	(25,668)		(162,361)		(146,327	
Capital and other gifts released to unrestricted net assets	(167,626)	(23,000)		(168,006)		(201,483	
Gift transfers to Hospitals, net	(2,575)	2,575		(100,000)		(201,405	
Transfer from unrestricted net assets, net	41,028	2,575		41,028		19,621	
Transfer from permanently restricted net assets, net	25,483	_		25,483		4,744	
Other	(3,058)	(97)		(3,155)		(2,149	
NET CHANGE IN TEMPORARILY RESTRICTED NET ASSETS	1,231,409	109,281		1,340,690		676,260	
PERMANENTLY RESTRICTED NET ASSETS							
Gifts and pledges, net	154,068	764		154,832		164,860	
Increase in reinvested gains	64,256	-		64,256		17,261	
Change in value of split interest agreements, net	50,276	1,938		52,214		24,987	
Transfer from unrestricted net assets, net	41,232	-		41,232		37,010	
Transfer to temporarily restricted net assets, net	(25,483)	-		(25,483)		(4,744	
NET CHANGE IN PERMANENTLY RESTRICTED NET ASSETS	284,349	2,702		287,051		239,374	
NET CHANGE IN TOTAL NET ASSETS	3,498,036	619,270		4,117,306		3,006,426	
Total net assets, beginning of year	 25,723,101	3,958,525		29,681,626		26,675,200	
TOTAL NET ASSETS, END OF YEAR	\$ 29,221,137	\$ 4,577,795	\$	33,798,932	\$	29,681,626	

CONSOLIDATED STATEMENTS OF CASH FLOWS

For the years ended August 31, 2014 and 2013 (in thousands of dollars)

				2014				2013
	U	NIVERSITY		PITALS	CO	NSOLIDATED	CO	NSOLIDATED
CASH FLOW FROM OPERATING ACTIVITIES								
Change in net assets	\$	3,498,036	\$	619,270	\$	4,117,306	\$	3,006,426
Adjustments to reconcile change in net assets to net cash								
provided by (used for) operating activities:								
Depreciation		310,958		148,185		459,143		425,585
Amortization, loss on disposal of fixed assets and other adjustments		6,272		(2,537)		3,735		12,149
Net gains on investments and security agreements		(3,667,658)		(264,103)		(3,931,761)		(2,365,886)
Net losses (gains) on derivatives		8,616		-		8,616		(34,407
Changes in split interest agreements		34,672		(2,150)		32,522		27,024
Investment income for restricted purposes		(29,526)		(25,693)		(55,219)		(27,246)
Gifts restricted for long-term investments		(247,716)		(68,508)		(316,224)		(295,605)
Equity and fund transfers from Hospitals		(66,443)		66,443		-		-
Gifts of securities and properties		(11,372)		-		(11,372)		(50,025)
Premiums received from bond issuance		97,359		8,382		105,741		113,731
Changes in operating assets and liabilities:								
Accounts receivable and receivables								
from SHC and LPCH, net		(12,865)		(42,827)		(55,692)		(49,276)
Pledges receivable		(107,032)		-		(107,032)		(12,999)
Prepaid expenses and other assets		(3,698)		(15,331)		(19,029)		(14,728)
Accounts payable and accrued expenses		17,588		61,857		79,445		(64,911)
Accrued pension and post retirement benefit costs		23,312		(9,322)		13,990		(133,960)
Deferred rental and other income		32,508		-		32,508		27,339
Other				(3,780)		(3,780)		(3,126)
NET CASH PROVIDED BY (USED FOR) OPERATING ACTIVITIES		(116,989)		469,886		352,897		560,085
		(,		
CASH FLOW FROM INVESTING ACTIVITIES								
Land, building and equipment purchases		(696,511)	(620,333)		(1,316,844)		(1,032,377)
Student, faculty and other loans:								
New loans made		(118,134)		-		(118,134)		(70,684)
Principal collected		56,084		-		56,084		70,077
Increase in assets limited as to use		(135,328)		(20,117)		(155,445)		(167,858)
Purchases of investments	((25,113,421)	(151,650)		(25,265,071)	(20,252,633)
Sales and maturities of investments		25,418,479		104,460		25,522,939		19,892,351
NET CASH USED FOR INVESTING ACTIVITIES		(588,831)	(6	687,640)		(1,276,471)	(1,561,124)
CASH FLOW FROM FINANCING ACTIVITIES								
Gifts and reinvested income for restricted purposes		312,701		94,782		407,483		477,155
Equity and fund transfers from Hospitals		56,453		,		407,403		477,155
Proceeds from borrowing		623,127		(56,453)		-		406 710
5				200,000		823,127		496,719
Bond issuance costs and interest rate swaps		(2,423)		(1,284)		(3,707)		(2,229)
Repayment of notes and bonds payable		(545,210)		(14,910)		(560,120)		(226,856)
Increase (decrease) in liabilities under security lending agreements		106,963		-		106,963		(57,151)
Other		(20)		191		171		236
NET CASH PROVIDED BY FINANCING ACTIVITIES		551,591		222,326		773,917		687,874
INCREASE (DECREASE) IN CASH AND CASH EQUIVALENTS		(154,229)		4,572		(149,657)		(313,165)
Cash and cash aquivalents beginning of year		784,443		637,240		1,421,683		1,734,848
Cash and cash equivalents, beginning of year	+	CO0						
CASH AND CASH EQUIVALENTS, END OF YEAR	\$	630,214	\$	641,812	\$	1,272,026	- P	1,421,683
	\$	630,214	\$	641,812	\$	1,272,026	<u> </u>	1,421,683
CASH AND CASH EQUIVALENTS, END OF YEAR	\$ \$	630,214 111,210	\$ \$	641,812 58,701	\$ \$	1,272,026 169,911	⊅ \$	1,421,683 201,632
CASH AND CASH EQUIVALENTS, END OF YEAR SUPPLEMENTAL DATA:		· · · ·		-	·	<u> </u>		<u> </u>

NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS

1. Basis of Presentation and Significant Accounting Policies

BASIS OF PRESENTATION

The consolidated financial statements include the accounts of Stanford University (the "University"), Stanford Health Care (SHC), formerly known as Stanford Hospital and Clinics, as well as Lucile Salter Packard Children's Hospital at Stanford (LPCH) and other majority-owned or controlled entities of these organizations. All significant inter-entity transactions and balances have been eliminated upon consolidation. Certain prior year amounts have been reclassified to conform to the current year's presentation. These reclassifications had no impact on the change in net assets or total net assets.

University

The University is a private, not-for-profit educational institution, founded in 1885 by Senator Leland and Mrs. Jane Stanford in memory of their son, Leland Stanford Jr. A Board of Trustees (the "Board") governs the University. The University category presented in the consolidated financial statements comprises all of the accounts of the University, including its institutes and research centers, and the Stanford Management Company.

SLAC National Accelerator Laboratory (SLAC) is a federally funded research and development center owned by the Department of Energy (DoE). The University manages and operates SLAC for the DoE under a management and operating contract; accordingly, the revenues and expenditures of SLAC are included in the University's *Statements of Activities*, but SLAC's assets and liabilities are not included in the University's *Statements of Financial Position*. SLAC employees are University employees and participate in the University's employee benefit programs. The University holds some receivables from the DoE substantially related to reimbursement for employee compensation and benefits.

Hospitals

SHC and LPCH are California not-for-profit public benefit corporations. The University is the sole member of each of these entities. SHC and LPCH support the mission of medical education and clinical research of the University's School of Medicine (SoM). Collectively, these entities comprise Stanford Medicine. They operate two licensed acute care and specialty hospitals on the Stanford campus and numerous physician clinics on the campus, in community settings and in association with regional hospitals in the San Francisco Bay Area and elsewhere in California. The University has partnered with SHC and LPCH, respectively, to establish physician practice management organizations to support Stanford Medicine's mission of delivering quality care to the community and conducting research and education.

The "Hospitals" category presented in the consolidated financial statements comprises all of the accounts of SHC, LPCH, the University HealthCare Alliance and Packard Children's Health Alliance physician practice management organizations, and a captive insurance company which SHC and LPCH jointly control. For purposes of presentation of the Hospitals' balance sheets, statements of operations and changes in net assets and statements of cash flows in these consolidated financial statements, conforming reclassifications have been made to the Hospitals' revenues, expenses, investment income and interentity receivables and payables consistent with categories in these consolidated financial statements.

TAX STATUS

The University and the Hospitals are exempt from federal and state income taxes to the extent provided by Section 501(c)(3) of the Internal Revenue Code and equivalent state provisions, except with regard to unrelated business income which is taxed at corporate income tax rates.

In accordance with the guidance on accounting for uncertainty in income taxes, management regularly evaluates its tax positions and does not believe the University or Hospitals have any uncertain tax positions that require disclosure or adjustment to the consolidated financial statements. The University and Hospitals are subject to routine audits by taxing jurisdictions. The University and Hospitals believe they are no longer subject to income tax examinations for fiscal years prior to August 31, 2010.

BASIS OF ACCOUNTING

The consolidated financial statements are prepared in accordance with accounting principles generally accepted in the United States of America ("U.S. GAAP"). These principles require management to make estimates and assumptions that affect the reported amounts of assets and liabilities, the disclosure of contingent assets and liabilities at the date of the consolidated financial statements and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates.

For financial reporting purposes, net assets and revenues, expenses, gains and losses are classified into one of three categories - unrestricted, temporarily restricted or permanently restricted.

Unrestricted Net Assets

Unrestricted net assets are expendable resources which are not subject to donor-imposed restrictions. Unrestricted net assets include funds designated for operations, net investment in plant facilities, certain investment and endowment gains and funds functioning as endowment. These net assets may be designated by the University or the Hospitals for specific purposes under internal operating and administrative arrangements or be subject to contractual agreements with external parties. Donor-restricted contributions that relate to the University's or the Hospitals' core activities and are received and expended or deemed expended based on the nature of donors' restrictions are classified as unrestricted. All expenses are recorded as a reduction of unrestricted net assets.

The operating activities of the University and the Hospitals include the revenues earned and expenses incurred in the current year to support the University's core activities of teaching and research or the Hospitals' patient care, teaching and research missions. The non-operating activities of the University and Hospitals include increases in reinvested gains, current year gifts not included in operations, capital and other gifts released from restrictions, pension and other post employment benefit related changes other than net periodic benefit expense and certain other non-operating activities.

Transfers from unrestricted net assets to temporarily restricted net assets and permanently restricted net assets are primarily the result of donor redesignations or matching funds that are added to donor gift funds which then take on the same restrictions as the donor gift.

Temporarily Restricted Net Assets

Temporarily restricted net assets include gifts and pledges that are subject to donor-imposed restrictions that expire with the passage of time, payment of pledges or specific actions to be undertaken by the University or the Hospitals, which are then released and reclassified to unrestricted net assets. In addition, appreciation and income on certain donor-restricted endowment funds are classified as temporarily restricted net assets until authorized for spending (see *Notes 12 and 13*). Donor-restricted resources intended for capital projects are initially recorded as temporarily restricted and released from their temporary restrictions and reclassified as unrestricted net assets when the asset is placed in service.

Also included in this category is the University's net equity in split interest agreements that are expendable at maturity.

Permanently Restricted Net Assets

Permanently restricted net assets consist primarily of endowment, annuity and life income funds which are subject to donor-imposed restrictions requiring that the principal be invested in perpetuity. Permanently restricted net assets may also include funds reclassified from other classes of net assets as a result of donor-imposed stipulations, the University's net equity in split interest agreements that are not expendable at maturity and net assets which by donor stipulation must be made available in perpetuity for specific purposes.

CASH AND CASH EQUIVALENTS

Cash and cash equivalents included in the *Statements of Financial Position* consist of U.S. Treasury bills, commercial paper, certificates of deposit, money market funds and all other short-term investments with original maturities of 90 days or less at the time of purchase. These amounts are carried at cost, which approximates fair value. Cash and cash equivalents that are held for investment purposes are classified as investments (see *Note 5*).

ASSETS LIMITED AS TO USE

Assets limited as to use include accounts of the University that solely hold proceeds of tax-exempt bonds issued for the benefit of the University and limited by the terms of indentures to use for qualified University capital projects. Assets limited as to use also include trustee-held accounts holding proceeds of tax-exempt bonds issued for the benefit of the Hospitals and limited by the terms of indentures to use for qualified Hospital capital projects. Assets limited as to use consist of cash and cash equivalents and short-term investments, recorded at cost, which approximates fair value.

ACCOUNTS AND LOANS RECEIVABLE

Accounts and loans receivable are carried at cost, less an allowance for doubtful accounts.

PLEDGES RECEIVABLE

Unconditional promises to give are included in the consolidated financial statements as pledges receivable and are classified as temporarily restricted or permanently restricted, depending upon donor stipulations. Pledges recognized on or after September 1, 2008 are recorded at an applicable risk-adjusted discount rate commensurate with the duration of the donor's payment plan. Pledges recognized in periods prior to September 1, 2008 were recorded at a discount based on the U.S. Treasury rate. Conditional promises, which depend on the occurrence of a specified future and uncertain event, such as matching gifts from other donors, are recognized when the conditions are substantially met.

INVESTMENTS

Investments are recorded at fair value. Gains and losses (realized and unrealized) on investments are recognized in the *Statements of Activities* (see *Note 5*).

The investment portfolio may be exposed to various risks, including, but not limited to, interest rate, market, sovereign, concentration, counterparty, liquidity and credit risk. Fair value reporting requires management to make estimates and assumptions about the effects of matters that are inherently uncertain. Estimates developed using methods such as discounted cash flow are subjective, requiring significant judgments such as the amount and timing of future cash flows and the selection of appropriate discount rates that reflects market and credit risks. Management of the University and the Hospitals regularly assess these risks through established policies and procedures. Actual results could differ from these estimates and such differences could have a material impact on the consolidated financial statements.

PLANT FACILITIES

Plant facilities are recorded at cost or, for donated assets, at fair value at the date of donation. Interest expense for construction financing, net of income earned on unspent proceeds, is capitalized as a cost of construction. Depreciation is computed using the straight-line method over the estimated useful lives of the assets.

The useful lives used in calculating depreciation for the years ended August 31, 2014 and 2013 are as follows:

	UNIVERSITY	HOSPITALS
Land improvements	10-25 years	10-25 years
Buildings and building improvements	4-50 years	7-40 years
Furniture, fixtures and equipment Utilities	3-10 years 5-40 years	3-20 years N/A

WORKS OF ART AND SPECIAL COLLECTIONS

Works of art, historical treasures, literary works and artifacts, which are preserved and protected for educational, research and public exhibition purposes, are not capitalized. Donations of such collections are not recorded for financial statement purposes. Purchases of collection items are recorded as operating expenses in the period in which they are acquired. Proceeds from sales of such items are used to acquire other items for the collections.

DONATED ASSETS

Donated assets, other than works of art and special collections as discussed above, are recorded at fair value at the date of donation. Undeveloped land, including land acquired under the original endowment from Senator Leland and Mrs. Jane Stanford, is reported at fair value at the date of acquisition. Under the terms of the original founding grant, a significant portion of University land may not be sold.

DONOR ADVISED FUNDS

The University receives gifts from donors under donor advised fund (DAF) agreements. These funds are owned and controlled by the University and are separately identified by donor. A significant portion of the gift must be designated to the University. At August 31, 2014 and 2013, approximately \$321.3 million and \$268.1 million, respectively, of DAFs may be used to support other approved charities; the donors have advisory privileges with respect to the distribution of these funds.

Current year gifts under the DAF agreements are included in the *Statements of Activities* as "donor advised funds, net" at the full amount of the gift. Transfers of funds to other charitable organizations are included in the *Statements of Activities* as a reduction to "donor advised funds, net" at the time the transfer is made.

SPLIT INTEREST AGREEMENTS

Split interest agreements consist of arrangements with donors where the University and the Hospitals have an interest in assets held by the trustee and receive benefits that are shared with other beneficiaries. Split interest agreements where the University and the Hospitals are not the trustee are recorded in the "assets held by other trustees" category of "investments" in the *Statements of Financial Position* as described in *Note 5*.

The assets held under split interest agreements where the University is the trustee were \$773.6 million and \$679.7 million at August 31, 2014 and 2013, respectively, and were recorded in various categories in "investments"; the discounted present value of any income beneficiary interest is reported as "income beneficiary share of split interest agreements" in the *Statements of Financial Position*. The discount rates used, which range from 1% to 6%, are established in the year the gift was received and are based on tables established by the Internal Revenue Service.

During fiscal years 2014 and 2013, the discounted present value of new gifts subject to split interest agreements where the University is the trustee, net of the income beneficiary share, were \$17.9 million and \$21.2 million, respectively, and were included in "gifts and pledges, net" in the *Statements of Activities*. Actuarial gains or losses are included in "change in value of split interest agreements, net" in the *Statements of Activities*.

Funds subject to donor-imposed restrictions requiring that the principal be invested in perpetuity are classified as "permanently restricted net assets" in the *Statements of Financial Position*; all others are classified as "temporarily restricted net assets" until the expiration of the donor-imposed restrictions, at which point they will be classified as "unrestricted net assets."

SELF-INSURANCE

The University self-insures at varying levels for unemployment, disability, workers' compensation, property losses, certain health care plans and general and professional liability losses. The Hospitals self-insure at varying levels for health care plans, workers' compensation and, through their captive insurance company, for professional liability losses. Third-party insurance is purchased to cover liabilities above the self-insurance limits. Estimates of retained exposures are accrued.

INTEREST RATE EXCHANGE AGREEMENTS

The University and the Hospitals have entered into several interest rate exchange agreements to reduce the effect of interest rate fluctuation on their variable rate revenue bonds and notes. Current accounting guidance for derivatives and hedges requires entities to recognize all derivative instruments at fair value. The University and the Hospitals do not designate and qualify their derivatives for hedge accounting; accordingly, any changes in the fair value (i.e. gains or losses) flow directly to the *Statements of Activities* in "swap interest and change in value of swap agreements". The settlements (net cash payments less receipts) under the interest rate exchange agreements are recorded in the *Statements of Activities* in "swap interest and change in value of swap agreements" for the University and in "other operating expenses" for the Hospitals.

The University has entered into interest rate swaps to reduce the effect of interest rate fluctuations of certain investment positions (see Note 7).

STUDENT INCOME

Financial assistance in the form of scholarship and fellowship grants that cover a portion of tuition, living and other costs is reflected as a reduction of student income.

PATIENT CARE AND OTHER SERVICES

Health Care Services

The Hospitals derive a majority of patient care revenues from contractual agreements with Medicare, Medi-Cal and other third-party payers. Payments under these agreements and programs are based on a variety of payment models. "Patient care, net" is reported in the *Statements of Activities* at the estimated net realizable amounts from patients, third-party payers, and others for services rendered, including estimated retroactive audit adjustments under reimbursement agreements with third-party payers and bad debts. Retroactive adjustments are estimated and recorded in the period the related services are rendered and adjusted in future periods, as final settlements are determined. Contracts, laws and regulations governing the Medicare and Medi-Cal programs are complex and subject to interpretation. As a result, it is reasonably possible that recorded estimates may change by a material amount in the near term. The Hospitals provision for doubtful accounts of \$153.5 million and \$123.5 million, respectively, for the years ended August 31, 2014 and 2013, is based upon management's assessment of expected net collections considering historical experience and other collection indicators.

The University has entered into various operating agreements with the Hospitals for the professional services of SoM faculty members, and for non-physician services such as telecommunications, facilities, and other services.

Charity Care

The Hospitals provide care to patients who meet certain criteria under their charity care policies without charge or at amounts less than their established rates. The Hospitals do not record revenue for amounts determined to qualify as charity care.

The estimated cost of providing charity care was \$17.4 million and \$20.4 million for the years ended August 31, 2014 and 2013, respectively. This cost is estimated by calculating a ratio of total costs to gross patient service charges at established rates, and then multiplying that ratio by gross uncompensated patient service charges at established rates associated with providing care to charity patients. The Hospitals received \$684 thousand and \$652 thousand during the years ended August 31, 2014 and 2013, respectively, from contributions that were restricted for the care of indigent patients.

The Hospitals also provide services to other patients under the Medicare, Medi-Cal and other publicly sponsored programs, which reimburse at amounts less than the cost of the services provided to the recipients. Estimated costs in excess of reimbursements for the Medicare, Medi-Cal and other publicly sponsored programs for the years ended August 31, 2014 and 2013 were \$676.8 million and \$557.3 million, respectively.

Provider Fee

The State of California enacted legislation in 2009 through 2014 which established a Hospital Quality Assurance Fee (QAF) Program and a Hospital Fee Program. These programs imposed a provider fee on certain California general acute care hospitals that, combined with federal matching funds, would be used to provide supplemental payments to certain hospitals and support the State's effort to maintain health care coverage for children. Certain rates under these programs are pending approval from the Centers for Medicare & Medicaid Services.

For the years ended August 31, 2014 and 2013, the Hospitals recorded \$12.9 million and \$52.6 million, respectively, in "other operating expenses" and recognized \$24.1 million and \$133.0 million, respectively, in "patient care, net" revenue under these programs.

RECENT ACCOUNTING PRONOUNCEMENTS

In May 2014, the Financial Accounting Standards Board (FASB) issued an update to the Accounting Standards Codification (ASC) to improve consistency of revenue recognition practices across industries for economically similar transactions. The core principle is that an entity recognizes revenue for goods or services to customers in an amount that reflects the consideration it expects to receive in return. The guidance is effective for periods beginning after December 15, 2016. The University and Hospitals are currently evaluating the impact that this guidance will have on its consolidated financial statements.

In October 2012, the FASB issued an update to the ASC to improve consistency in the classification of cash receipts from the sale of certain donated financial assets, such as securities, in the statement of cash flows. This guidance requires an entity to classify such cash receipts consistently with cash donations received if those receipts were from the sale of donated financial assets that have no entity-imposed limitations for sale and were converted nearly immediately into cash. The guidance is effective for periods beginning after June 15, 2013. The University and Hospitals adopted this guidance in fiscal year 2014 and applied it retroactively. Accordingly, consolidated cash receipts from the sale of donated financial assets of \$128.7 million and \$80.7 million were classified in the operating and financing sections, respectively, in the *Statement of Cash Flows* for the year ended August 31, 2014. For fiscal year 2013, \$158.9 million of consolidated cash receipts were reclassified from the investing section to the operating section (\$52.8 million) and financing section (\$106.1 million) in the *Statement of Cash Flows*.

In December 2011, the FASB issued an update to the ASC which expanded the required disclosures about offsetting and related arrangements of an entity's financial assets and liabilities. The disclosures are intended to provide additional information to assist financial statement users in understanding the effect of those arrangements on the entity's financial position. This guidance is effective for annual periods beginning after January 1, 2013. The University and Hospitals have adopted this guidance for the year ended August 31, 2014 (see *Notes 5 and 7*).

2. Accounts Receivable

Accounts receivable, net of bad debt allowances, at August 31, 2014 and 2013, in thousands of dollars, are as follows:

		2014		2013
	UNIVERSITY	HOSPITALS	CONSOLIDATED	CONSOLIDATED
U.S. government sponsors	\$ 82,388	\$ -	\$ 82,388	\$ 77,613
Non-federal sponsors and programs	41,034	1,581	42,615	75,624
Pending trades of securities	272,243	-	272,243	194,331
Accrued interest on investments	13,059	-	13,059	8,659
Student	6,055	-	6,055	6,808
Patient and third-party payers	-	799,694	799,694	704,409
Other	42,317	33,736	76,053	58,112
	457,096	835,011	1,292,107	1,125,556
Less bad debt allowances	(2,106)	(136,492)	(138,598)	(117,218)
ACCOUNTS RECEIVABLE, NET	\$ 454,990	\$ 698,519	\$ 1,153,509	\$ 1,008,338

Amounts due from Blue Cross and Blue Shield represent 21% and 12%, and 23% and 17%, of the Hospitals' net patient accounts receivable, at August 31, 2014 and 2013, respectively. Each Hospital's management does not believe significant credit risks exist with these payers.

3. Pledges Receivable

Pledges are recorded at applicable risk-adjusted discount rates, ranging from 1.1% to 6.0% for the University and Hospitals, commensurate with the duration of the donor's payment plan. At August 31, 2014 and 2013, pledges receivable, net of discounts and allowances, in thousands of dollars, are as follows:

				2014				2013
	U	NIVERSITY	Н	OSPITALS	COI	NSOLIDATED	COI	NSOLIDATED
One year or less Between one year and five years	\$	133,942 654,628	\$	24,937 231,441	\$	158,879 886,069	\$	159,049 854,453
More than five years		75,315		25,348		100,663		166,342
		863,885		281,726		1,145,611		1,179,844
Less discounts and allowances		(152,090)		(27,694)		(179,784)		(218,110)
PLEDGES RECEIVABLE, NET	\$	711,795	\$	254,032	\$	965,827	\$	961,734

Conditional pledges for the University, which depend on the occurrence of a specified future and uncertain event, were \$14.4 million and \$9.0 million at August 31, 2014 and 2013, respectively. The Hospitals had conditional pledges of \$62.6 million and \$119.6 million at August 31, 2014 and 2013, respectively. The majority of these conditional pledges are related to construction or time defined milestones related to the Medical Center Renewal Project. Lucile Packard Foundation for Children's Health is the primary community fundraising agent for LPCH and the pediatric faculty and programs at the University's SoM.

4. Loans Receivable

The University's loans receivable consist primarily of student loans receivable and faculty and staff mortgages. Management regularly assesses the adequacy of the allowance for credit losses of its loans by performing ongoing evaluations, including such factors as the differing economic risks associated with each loan category, the financial condition of specific borrowers, the economic environment in which the borrowers operate, the level of delinquent loans and the value of any collateral.

STUDENT LOANS RECEIVABLE

Student loans receivable consist of institutional and federally-sponsored loans due from both current and former students. Student loans and allowance for student loan losses at August 31, 2014 and 2013, in thousands of dollars, are as follows:

	2014	2013
Institutional loans	\$ 22,687	\$ 20,144
Federally-sponsored loans	59,465	58,838
	82,152	78,982
Less allowance for student loan losses	(711)	(545)
STUDENT LOANS RECEIVABLE, NET	\$ 81,441	\$ 78,437

Institutional loans are funded by donor funds restricted for student loan purposes and University funds made available to meet demonstrated need in excess of all other sources of student loan borrowings.

Federally-sponsored loans are funded primarily by advances to the University primarily under the Federal Perkins Loan Program (the "Program"). Loans to students under the Program are subject to mandatory interest rates and significant restrictions, and loans issued under the Program can be assigned to the federal government in certain non-repayment situations. In these situations, the federal portion of the loan balance is guaranteed.

Amounts received under the Program are ultimately refundable to the federal government in the event the University no longer participates in the Program, and accordingly, have been reported as an obligation in the *Statements of Financial Position* as "U.S. government refundable loan funds".

FACULTY AND STAFF MORTGAGES

In a program to attract and retain excellent faculty and senior staff, the University provides home mortgage financing assistance, primarily in the form of subordinated loans. Notes receivable amounting to \$504.6 million and \$450.6 million at August 31, 2014 and 2013, respectively, from University faculty and staff are included in "faculty and staff mortgages and other loans receivable, net" in the *Statements of Financial Position*. These loans and mortgages are collateralized by deeds of trust on properties concentrated in the region surrounding the University. Management has determined that no allowance is necessary.

5. Investments

Investments held by the University and the Hospitals are measured and recorded at fair value. The valuation methodology, investment categories, fair value hierarchy, certain investment activities and related commitments for fiscal years 2014 and 2013 are discussed below.

Investments held by the University and the Hospitals at August 31, 2014 and 2013, in thousands of dollars, are as follows:

				2014				2013
	UNIVE	RSITY	HO	SPITALS	COI	NSOLIDATED	CO	NSOLIDATED
Cash and cash equivalents	\$ 1,69	93,240	\$	61,785	\$	1,755,025	\$	1,386,414
Collateral held for securities loaned	10	53,449		-		163,449		57,810
Public equities	7,1	18,193		23,891		7,142,084		5,659,192
Derivatives	:	14,922		-		14,922		5,942
Fixed income	1,43	36,008		228,014		1,664,022		1,323,161
Real estate	5,92	26,195		-		5,926,195		5,337,236
Natural resources	2,0	10,161		-		2,010,161		1,796,786
Private equities	6,0	57,505		-		6,057,505		5,361,599
Absolute return	5,30	04,605		-		5,304,605		5,579,275
Assets held by other trustees	18	35,102		17,028		202,130		187,463
Other	2	17,640		5,826		223,466		279,597
	30,1	27,020		336,544		30,463,564		26,974,475
Hospital funds invested in the University's Merged Pool	(2,29	98,430)	2	2,298,430		-		-
INVESTMENTS AT FAIR VALUE	\$ 27,82	28,590	\$ 2	2,634,974	\$	30,463,564	\$	26,974,475

VALUATION METHODOLOGY

To the extent available, the University's investments are recorded at fair value based on quoted prices in active markets on a trade-date basis. The University's investments that are listed on any U.S. or non-U.S. recognized exchanges are valued based on readily available market quotations. When such inputs do not exist, fair value measurements are based on the best available information and usually require a degree of judgment. For alternative investments, which are principally limited partnership investments in private equity, real estate, natural resources and hedge funds, the value is primarily based on the Net Asset Value (NAV) of the underlying investments. The NAV is reported by the external investment managers, including general partners, in accordance with their policies as described in their respective financial statements and offering memoranda. The most recent NAV reported is adjusted for capital calls, distributions and significant known valuation changes, if any, of its related portfolio through August 31, 2014 and 2013, respectively. These investments are generally less liquid than other investments, and the value reported may differ from the values that would have been reported had a ready market for these investments existed.

The University exercises due diligence in assessing the policies, procedures, and controls implemented by its external investment managers and believes the University's proportionate share of the carrying amount of these alternative investments is a reasonable estimate of fair value. Such due diligence procedures include, but are not limited to, ongoing communication, on-site visits, and review of information from the external investment managers as well as review of performance. In conjunction with these procedures, estimated fair value is determined by consideration of a wide range of factors, such as market conditions, redemption terms and restrictions, and risks inherent in the inputs of the external investment managers' valuation.

For alternative investments which are direct investments, the University considers various factors to estimate fair value, such as the timing of the transaction, the market in which the company operates, comparable transactions, company performance and projections as well as discounted cash flow analysis. The selection of an appropriate valuation technique may be affected by the availability and general reliability of relevant inputs. In some cases, one valuation technique may provide the best indication of fair value while in other circumstances, multiple valuation techniques may be appropriate. Furthermore, the University may review the investment's underlying portfolio as well as engage external appraisers, depending on the nature of the investment.

INVESTMENT CATEGORIES

Investments are categorized by asset class and valued as described below:

Cash and cash equivalents categorized as investments include money market funds, overnight receivables on repurchase agreements and restricted cash. Overnight receivables on repurchase agreements are valued based on cost, which approximates fair value. Money market funds are valued based on reported unit values. Restricted cash includes collateral provided to or received from counterparties related to investment-related derivative contracts (see *Note 7*).

Collateral held for securities loaned is generally received in the form of cash and cash equivalents and is reinvested for income in cash equivalent vehicles. These investments are recorded at cost, which approximates fair value (see *Note 9*).

Public equities are investments valued based on quoted market prices (and exchange rates, if applicable) on the last trading date of the principal market on or before August 31. They include investments that are directly held as well as commingled funds which invest in publicly traded equities. The fair values of public equities held through alternative investments are calculated by the respective external investment managers as described under *Valuation Methodology* above.

Derivatives are used by the University to manage its exposure to certain risks relating to ongoing business and investment operations. Derivatives such as forward currency contracts, options, interest rate swaps and credit default swaps (CDS) are valued using models based on market verifiable inputs, or by using independent broker quotes.

Fixed income investments are valued by independent pricing sources, broker dealers or pricing models that factor in, where applicable, recently executed transactions, interest rates, bond or credit default spreads and volatility. They include investments that are actively traded fixed income securities or mutual funds.

Real estate represents directly owned real estate and other real estate interests held through limited partnerships. The fair value of real estate directly owned by the University, including the Stanford Shopping Center and the Stanford Research Park, is based primarily on discounted cash flows, using estimates from the asset manager or external investment managers, corroborated by appraisals and market data, if available. The fair value of real estate held through limited partnerships is based on NAV as reported by the external investment managers and is adjusted as described under *Valuation Methodology* above.

Natural resources are mostly held in commodity and energy related investments, which are valued on the basis of a combination of models, including appraisals, discounted cash flows and commodity price factors. The fair value of these types of alternative investments is based on NAV as reported by the external investment managers and is adjusted as described under *Valuation Methodology* above.

Private equities are investments primarily in venture capital and leveraged buyout strategies. Distributions from these investments are received through liquidation of the underlying asset. The fair value of these types of alternative investments is based on the NAV reported by the external investment managers and is adjusted as described under *Valuation Methodology* above.

Absolute return investments are typically commingled funds that employ multiple strategies to produce positive returns, regardless of the direction of the financial markets. The fair value of these types of alternative investments is valued based on NAV as reported by the external investment managers and is adjusted as described under *Valuation Methodology* above.

Assets held by other trustees generally represent the University's and the Hospitals' residual interest in split interest agreements where the University or the Hospitals are not the trustee. The residual (or beneficial) interest represents the present value of the future distributions expected to be received over the term of the agreement, which approximates fair value, and the assets are based on estimates provided by trustees.

FAIR VALUE HIERARCHY

U.S. GAAP defines fair value as the price received upon sale of an asset or paid upon transfer of a liability in an orderly transaction between market participants. Current guidance establishes a hierarchy of valuation inputs based on the extent to which the inputs are observable in the marketplace. Inputs are used in applying the various valuation techniques and take into account the assumptions that market participants use to make valuation decisions. Inputs may include price information, credit data, liquidity statistics, and other factors specific to the financial instrument. Observable inputs reflect market data obtained from independent sources. In contrast, unobservable inputs reflect the entity's assumptions about how market participants would value the financial instrument. Valuation techniques used under U.S. GAAP must maximize the use of observable inputs to the extent available.

A financial instrument's level within the fair value hierarchy is based on the lowest level of any input that is significant to the fair value measurement. The following describes the hierarchy of inputs used to measure fair value and the primary valuation methodologies used for financial instruments measured at fair value on a recurring basis:

Level 1 – Investments whose values are based on quoted market prices in active markets for identical assets or liabilities are classified as Level 1. Level 1 investments include active listed equities and certain short term fixed income securities. Such investments are valued based upon the closing price quoted on the last trading date on or before the reporting date on the principal market, without adjustment.

Exchange-traded derivatives such as options, futures contracts and warrants using observable inputs such as the last reportable sale price or the most recent bid price are typically classified as Level 1 (see *Note 7*).

Level 2 – Investments that trade in markets that are not actively traded, but are valued based on quoted market prices, dealer quotations, or alternative pricing sources for similar assets or liabilities are classified as Level 2. These investments include certain U.S. government and sovereign obligations, government agency obligations, investment grade corporate bonds and certain limited marketability securities.

Privately negotiated over-the-counter (OTC) derivatives such as forward currency contracts, CDS, total return swaps, and interest rate swaps are typically classified as Level 2 (see *Note 7*). In instances where quotations received from counterparties or valuation models are used, the value of an OTC derivative depends upon the contractual terms of the instrument as well as the availability and reliability of

observable inputs. Such inputs include market prices for reference securities, yield curves, and credit curves.

Level 3 – Investments classified as Level 3 have significant unobservable inputs, as they trade infrequently or not at all. The inputs into the determination of fair value of these investments are based upon the best information in the circumstance and may require significant management judgment. These investments primarily consist of the University's alternative investments and are classified as Level 3 as the inputs are not observable. Certain alternative investments may be reclassified to Level 2 when the University has the ability to redeem them at NAV in the near term without significant restrictions on redemption.

The following tables summarize the University's and the Hospitals' investments and other assets within the fair value hierarchy and asset categories at August 31, 2014 and 2013, in thousands of dollars:

		AS OF			
	AU	GUST 31, 2014	LEVEL 1	LEVEL 2	LEVEL 3
UNIVERSITY*					
Cash and cash equivalents	\$	1,693,240	\$ 1,646,141	\$ 47,099	\$-
Collateral held for securities loaned		163,449	-	163,449	-
Public equities		7,118,193	3,009,485	1,160,289	2,948,419
Derivatives		14,922	(45)	14,967	-
Fixed income		1,436,008	837,535	594,513	3,960
Real estate		5,926,195	144,450	49,554	5,732,191
Natural resources		2,010,161	157,691	-	1,852,470
Private equities		6,057,505	17,569	-	6,039,936
Absolute return		5,304,605	-	2,242,156	3,062,449
Assets held by other trustees		185,102	-	-	185,102
Other		217,640	493	-	217,147
TOTAL		30,127,020	5,813,319	4,272,027	20,041,674
HOSPITALS					
Cash and cash equivalents		61,785	56,826	4,959	-
Public equities		23,891	23,891	-	-
Fixed income		228,014	68,830	159,184	-
Assets held by other trustees		17,028	-	-	17,028
Other		5,826	-	-	5,826
TOTAL		336,544	149,547	164,143	22,854
CONSOLIDATED TOTAL	\$	30,463,564	\$ 5,962,866	\$ 4,436,170	\$ 20,064,528

* Amounts include the Hospitals' cross investment in the University's investment pools of \$2.3 billion.

		AS OF			
	AUG	GUST 31, 2013	LEVEL 1	LEVEL 2	LEVEL 3
UNIVERSITY*					
Cash and cash equivalents	\$	1,303,199	\$ 1,225,411	\$ 77,788	\$ -
Collateral held for securities loaned		57,810	-	57,810	-
Public equities		5,545,012	2,545,284	1,166,840	1,832,888
Derivatives		5,942	4,677	1,265	-
Fixed income		1,273,525	691,323	582,202	-
Real estate		5,337,236	66,910	-	5,270,326
Natural resources		1,796,786	249,617	-	1,547,169
Private equities		5,361,599	4,139	-	5,357,460
Absolute return		5,579,275	166,121	2,236,941	3,176,213
Assets held by other trustees		172,605	-	-	172,605
Other		279,597	804	103	278,690
TOTAL		26,712,586	4,954,286	4,122,949	17,635,351
HOSPITALS					
Cash and cash equivalents		83,215	78,607	4,608	-
Public equities		114,180	67,407	46,773	-
Fixed income		49,636	-	49,636	-
Assets held by other trustees		14,858	-	-	14,858
TOTAL		261,889	146,014	101,017	14,858

CONSOLIDATED TOTAL\$ 26,974,475\$ 5,100,300\$ 4,223,966\$ 17,650,209* Amounts include the Hospitals' cross investment in the University's investment pools of \$2.0 billion.

The University manages the majority of the Hospitals' investments, including the Hospitals' investment in the Merged Pool (MP), with a combined fair value of \$2.3 billion and \$2.0 billion at August 31, 2014 and 2013, respectively.

SUMMARY OF LEVEL 3 INVESTMENT ACTIVITIES AND TRANSFERS

The following tables present the activities for Level 3 investments for the years ended August 31, 2014 and 2013, in thousands of dollars:

CONSOLIDATED TOTAL	\$ 3	17,650,209	\$	2,488,606	\$ ((3,220,906)	\$	2,981,591	\$	354,641	\$ (189,613)	\$	20,064,528
TOTAL		14,858		5,826		-		2,170		-	-		22,854
Other		-		5,826		-		-		-	-		5,826
Assets held by other trustees		14,858		-		-		2,170		-	-		17,028
HOSPITALS													
TOTAL		17,635,351		2,482,780		(3,220,906)		2,979,421		354,641	(189,613)		20,041,674
Other		278,690		204,457		(278,335)		18,112		-	(5,777)		217,147
Assets held by other trustees		172,605		-		-		12,497		-	-		185,102
Absolute return		3,176,213		241,530		(595,390)		253,090		-	(12,994)		3,062,449
Private equities		5,357,460		599,357		(1,164,518)		1,247,637		-	-		6,039,936
Natural resources		1,547,169		453,478		(435,136)		286,959		-	-		1,852,470
Real estate		5,270,326		383,085		(622,261)		743,756		-	(42,715)		5,732,191
Fixed income		-		3,990		-		(30)		-	-		3,960
UNIVERSITY* Public equities	\$	1,832,888	\$	596,883	\$	(125,266)	\$	417,400	\$	354,641	\$ (128,127)	\$	2,948,419
(LEVEL 3)		2013	PL	IRCHASES	М	ATURITIES		(LOSSES)		IN	OUT		2014
UNOBSERVABLE INPUTS	SEF	PTEMBER 1,			S	SALES AND		GAINS	ТΙ	RANSFERS	TRANSFERS		AUGUST 31,
USING SIGNIFICANT	BAL	ANCE AS OF					U	INREALIZED				BA	LANCE AS OF
FAIR VALUE MEASUREMENTS	В	EGINNING						AND					ENDING
							NF	T REALIZED					

* Amounts include the Hospitals' cross investment in the University's investment pools.

CONSOLIDATED TOTAL	\$ 17,247,533			\$ 2,156,744	\$ 110,178	\$ (1,047,455)	\$ 17,650,209			
TOTAL	13,604	- ۱	-	1,254	-	-	14,858			
HOSPITALS Assets held by other trustees	13,604	_	-	1,254	-	-	14,858			
TOTAL	17,233,929	1,870,808	(2,687,599)	2,155,490	110,178	(1,047,455)	17,635,351			
Other	204,045	44,393	(324,178)	354,430	-	-	278,690			
Assets held by other trustees	154,462	8,485	(9,363)	19,021	-	-	172,605			
Absolute return	3,210,949	249,629	(590,059)	441,710	87,030	(223,046)	3,176,213			
Private equities	5,163,154	608,796	(775,787)	533,168	-	(171,871)	5,357,460			
Natural resources	1,406,981	268,981	(236,580)	100,212	9,965	(2,390)	1,547,169			
Real estate	4,988,534	444,838	(556,464)	403,383	-	(9,965)	5,270,326			
UNIVERSITY* Public equities	\$ 2,105,804	\$ 245,686	\$ (195,168)	\$ 303,566	\$ 13,183	\$ (640,183)	\$ 1,832,888			
(LEVEL 3)	2012	PURCHASES	MATURITIES	GAINS	IN	OUT	2013			
USING SIGNIFICANT UNOBSERVABLE INPUTS	BALANCE AS OF SEPTEMBER 1,		SALES AND	AND UNREALIZED	TRANSFERS	TRANSFERS	BALANCE AS OF AUGUST 31,			
FAIR VALUE MEASUREMENTS	BEGINNING		NET REALIZED							

* Amounts include the Hospitals' cross investment in the University's investment pools.

Net realized and unrealized gains (losses) in the tables above are included in the *Statements of Activities* primarily as "increase in reinvested gains" by level of restriction. For the years ended August 31, 2014 and 2013, the change in unrealized gains (losses) for Level 3 investments still held at August 31, 2014 and 2013 was \$2.7 billion and \$1.8 billion, respectively.

Transfers in (out) include investments which have been reclassified to Level 2 as the University has the ability to redeem these at NAV in the near term. Transfers in (out) also include situations where observable inputs have changed, such as when Level 3 investments make distributions from an underlying asset with a fair value based on quoted market prices. All transfer amounts are based on the fair value at the beginning of the fiscal year. There were no transfers between Level 1 and Level 2 during the years ended August 31, 2014 and 2013.

LEVEL 3 INVESTMENT VALUATION TECHNIQUES AND SIGNIFICANT UNOBSERVABLE INPUTS

The following table summarizes the significant unobservable inputs and valuation methodologies for Level 3 investments as of August 31, 2014 and 2013.

For each investment category and respective valuation technique, the range of the significant unobservable input is dependent on the nature and characteristics of the investment. The input range and weighted average values may vary at each balance sheet date.

IMPACT TO

TOTAL AMOUNT WITH SIGNIFICANT UNOBSERVABLE INPUTS	\$ 3,340,986					
Other	278,690	Market comparables	Recent transactions	N/A	N/A	N/A
Natural resources		Market comparables	Weights ascribed to market comparables	20.0%	60.0%	N/A
Real estate	2,984,011	Discounted cash flow	Discount rate Capitalization rate	5.8% 5.0%	14.0% 8.0%	Decrease Decrease
2013	2 004 014		C	F 00/	1 4 00/	5
WITH SIGNIFICANT UNOBSERVABLE INPUTS	3,829,208					
TOTAL AMOUNT						
Other	217,147	Market comparables	market comparables Recent transactions	20.0% N/A	50.0% N/A	N/A N/A
Natural resources	127,077	Market comparables	Capitalization rate Weights ascribed to	5.0%	9.0%	Decrease
2014 Real estate	\$ 3,484,984	Discounted cash flow	Discount rate	4.0%	11.0%	Decrease
INVESTMENT CATEGORIES	FAIR VALUE ¹	TECHNIQUE	UNOBSERVABLE INPUTS	MIN.	MAX	INPUT ²
		VALUATION	SIGNIFICANT	RAN	NGE	IMPACT TO VALUATION FROM AN INCREASE IN

¹ Level 3 investments assets of \$16.2 billion and \$14.3 billion at August 31, 2014 and 2013, respectively, were excluded from the above quantitative disclosure as their fair value was primarily based on the NAV reported by external investment managers as described in the Valuation Methodology section above.

² Unless otherwise noted, this column represents the directional change in the fair value of the Level 3 investments that would result from an increase to the corresponding unobservable input. A decrease to the unobservable input would have the opposite effect. Significant increases and decreases in these unobservable inputs in isolation could result in significantly higher or lower fair value measurements.

INVESTMENT-RELATED COMMITMENTS

The University is obligated under certain alternative investment agreements to advance additional funding up to specified levels over a period of several years. The following table presents significant terms of such agreements for all related alternative investments at August 31, 2014, in thousands of dollars:

ASSET CLASS	FAIR VALUE	UNFUNDED OMMITMENT	REMAINING LIFE (YEARS)	REDEMPTION TERMS AND RESTRICTIONS
Public equities	\$ 4,105,972	\$ 145,502	0 to 5	Generally, lock-up provisions ranging from 0 to 5 years. After initial lock up expires, redemptions are available on a rolling basis and require 3 to 180 days prior notification.
Real estate	2,011,107	944,653	0 to 13	Not eligible for redemption
Natural resources	1,842,172	1,208,016	0 to 15	Not eligible for redemption
Private equities	6,039,932	1,815,518	0 to 16	Not eligible for redemption
Absolute return	5,304,605	1,110,148	0 to 7	Generally, lock-up provisions ranging from 0 to 6 years. After initial lock up expires, redemptions are available on a rolling basis and require 2 to 180 days prior notification.
TOTAL	\$ 19,303,788	\$ 5,223,837		

OFFSETS TO INVESTMENT-RELATED ASSETS AND LIABILITIES

Financial instruments with off-balance sheet risk such as derivatives, securities lending agreements, and repurchase agreements ("repo") are subject to counterparty credit risk. The University seeks to control this risk in various ways, such as entering into transactions with quality counterparties, establishing and monitoring credit limits, and requiring collateral in certain situations.

For certain derivatives, a master netting arrangement allows the counterparty to net applicable collateral held on behalf of the University against applicable liabilities or payment obligations of the University to the counterparty. These arrangements also allow the counterparty to net any of its applicable liabilities or payment obligations to the University against any collateral previously received.

The University may also enter into repo or reverse repo arrangements. When the University enters into a repo, it "sells" securities to a broker-dealer or financial institution, and agrees to purchase such securities for a predetermined price, including interest, from the broker-dealer or financial institution. Conversely, when the University enters into a reverse repo, it "buys" securities from a broker-dealer or financial institution, and agrees to sell such securities for a predetermined price, including interest, subject to the obligation of the broker-dealer or financial institution.

For financial statement purposes, the University nets investment-related derivative assets and liabilities on the *Statements of Financial Position*. For disclosure purposes, the University does not offset assets and liabilities relating to the financial and derivative instruments that are subject to an enforceable master netting arrangement or similar agreement, or that meet the right of setoff criteria in the accounting guidance. The potential effect of offset and related arrangements associated with these financial and derivative instruments as of August 31, 2014 and 2013, in thousands of dollars, is presented in the following table:

		AS PRESE CONSOLIDATED OF FINANCIA	STATEMENTS	GROSS AMOUNT IN CONSC STATEMENTS POSI	DLIDATED	
	GROSS AMOUNTS OF ASSETS AND LIABILITIES	GROSS AMOUNTS OFFSET	NET AMOUNTS OF ASSETS AND LIABILITIES	FINANCIAL INSTRUMENTS ⁴	CASH COLLATERAL RECEIVED (PLEDGED) ⁴	NET AMOUNT
2014 Assets: Derivatives ¹	\$ 46,522	\$ (31,600)	\$ 14,922	\$ -	\$ 14,922	\$ -
Reverse repurchase agreements ² TOTAL	46,522	(31,600)	- 14,922		- 14,922	-
Liabilities: Derivatives ¹ Securities lending ³ TOTAL	31,600 163,449 195,049	(31,600) 		163,449 163,449	-	-
2013 Assets:	195,049	(31,000)	103,449	103,449		
Derivatives ¹ Reverse repurchase agreements ²	19,254 82,900	(13,312)	5,942 82,900		-	5,942 82,900
TOTAL	102,154	(13,312)	88,842		-	88,842
Liabilities: Derivatives ¹	13,312	(13,312)	- 57,810	57 810	-	-
Securities lending ³ TOTAL	57,810 \$ 71,122	\$ (13,312)	\$ 57,810	57,810 \$ 57,810	<u> </u>	<u> </u>

¹ Gross derivative assets less gross derivative liabilities are presented as "derivatives" in the investment table above.

² Reverse repurchase agreements are included in "Cash and cash equivalents" in the investment table above.

³ Refer to Note 9 for details.

⁴ These amounts are limited to the derivative asset balance and accordingly, do not include any excess collateral received.

INVESTMENT RETURNS

Total investment returns for the years ended August 31, 2014 and 2013, in thousands of dollars, are as follows:

		2014		2013
	UNIVERSITY	HOSPITALS	CONSOLIDATED	CONSOLIDATED
Investment income	\$ 312,167	\$ 17,940	\$ 330,107	\$ 309,476
Net realized and unrealized gains	3,671,302	331,965	4,003,267	2,426,165
TOTAL INVESTMENT RETURNS	3,983,469	349,905	4,333,374	2,735,641
Reconciliation to Statements of Activities:				
Total investment income distributed for operations	\$ 1,166,110	\$ 15,286	\$ 1,181,396	\$ 1,018,761
Increase in reinvested gains - unrestricted	1,561,670	288,009	1,849,679	1,077,779
Increase in reinvested gains - temporarily restricted	1,083,505	44,460	1,127,965	558,697
Change in value of split interest agreements, net -				
temporarily restricted	18,470	212	18,682	1,438
Increase in reinvested gains - permanently restricted	64,256	-	64,256	17,261
Change in value of split interest agreements, net - permanently				
restricted	50,276	1,938	52,214	24,987
Adjusted for:				
Returns on split interest agreements paid to beneficiaries -				
temporarily restricted	12,323	-	12,323	11,031
Returns on split interest agreements paid to beneficiaries -				
permanently restricted	26,859	-	26,859	25,687
TOTAL INVESTMENT RETURNS	\$ 3,983,469	\$ 349,905	\$ 4,333,374	\$ 2,735,641

Investment returns are net of investment management expenses, including both external management fees and internal University investment-related salaries, benefits and operating expenses, and the portion of interest expense and amortization related to the April 2009 bond issuance held for liquidity purposes (see *Note 10*).

FUTURE MINIMUM RENTAL INCOME

As part of its investment portfolio, the University holds certain investment properties that it leases to third parties. Future minimum rental income due from the Stanford Shopping Center, the Stanford Research Park and other properties under non-cancelable leases in effect with tenants at August 31, 2014, in thousands of dollars, is as follows:

	FUTUF	re minimum
YEAR ENDING AUGUST 31	RENT	AL INCOME
2015	\$	93,639
2016		91,114
2017		87,249
2018		78,276
2019		73,952
Thereafter		1,648,022
TOTAL	\$	2,072,252

6. Investment Pools

The University's investments are held in various investment pools or in specific investments to comply with donor requirements as indicated in the following table, at August 31, 2014 and 2013, in thousands of dollars:

	2014	2013
UNIVERSITY		
Merged Pool	\$ 25,330,910	\$ 22,600,862
Expendable Funds Pool	3,259,707	3,181,451
Endowment Income Funds Pool	360,867	342,622
Other investment pools	99,710	86,525
Specific investments	4,696,400	4,025,199
	33,747,594	30,236,659
Less:		
Amounts included in "cash and cash equivalents" in		
the Statements of Financial Position	(460,888)	(450,202)
Funds cross-invested in investment pools	(3,154,731)	(3,069,263)
Hospital funds invested in the University's investment pools	(2,303,385)	(2,013,787)
TOTAL	27,828,590	24,703,407
HOSPITALS		
Investments	2,634,974	2,271,068
TOTAL	2,634,974	2,271,068
CONSOLIDATED TOTAL	\$ 30,463,564	\$ 26,974,475

The MP is the primary investment pool in which endowment (see *Note 12*) and other long-term funds are invested. The MP is invested with the objective of optimizing long-term total return while maintaining an appropriate level of risk for the University. It is a unitized investment pool in which the fund holders purchase investments and withdraw funds based on a monthly share value.

The Expendable Funds Pool (EFP) and Endowment Income Funds Pool (EIFP) are the principal investment vehicles for the University's expendable funds. A substantial portion of the EFP is cross-invested in the MP; the remainder is included in "cash and cash equivalents" in the *Statements of Financial Position*. The EIFP holds income previously distributed to holders of permanently restricted endowment funds that has not yet been expended. The EIFP is invested in highly liquid instruments and is included in the *Statements of Financial Position* as "cash and cash equivalents".

The Board has established a policy for the distribution of the investment returns of the EFP. The difference between the actual return of this investment pool and the approved payout is deposited in, or withdrawn from, funds functioning as endowment (FFE) (see *Note 12*). For the years ended August 31, 2014 and 2013, the results of the EFP, in thousands of dollars, are as follows:

	2014	2013
Total investment return of the EFP	\$ 494,121	\$ 336,148
Less distributions to fund holders and operations	(126,473)	(60,927)
AMOUNTS ADDED TO FFE	\$ 367,648	\$ 275,221

7. Derivatives

The University, directly or through external investment managers on the University's behalf, utilizes various strategies to reduce investment and credit risks, to serve as a temporary surrogate for investment in stocks and bonds, to manage interest rate exposure on the University's debt, and/or to manage specific exposure to foreign currencies. Futures, options and other derivative instruments are used to adjust elements of investment exposures to various securities, sectors, markets and currencies without actually taking a position in the underlying asset or basket of assets. Interest rate swaps are used to manage interest rate risk. With respect to foreign currencies, the University utilizes forward contracts and foreign currency options to manage exchange rate risk.

INVESTMENT-RELATED DERIVATIVES

The following table presents amounts for investment-related derivatives, including the notional amount, the fair values at August 31, 2014 and 2013, and gains and losses for the years ended August 31, 2014 and 2013, in thousands of dollars:

TOTAL	\$ 6,012,103	\$ 46,522	\$ 31,600	\$ (11,754)
Credit contracts	77,345	1,474	189	199
Equity contracts	1,605,379	6,409	7,836	(17,138)
Foreign exchange contracts	705,701	6,697	1,957	17,440
Interest-rate contracts	\$ 3,623,678	\$ 31,942	\$ 21,618	\$ (12,255)
	NOTIONAL AMOUNT ¹	DERIVATIVE ASSETS ²	DERIVATIVE LIABILITIES ²	ALIZED GAINS LOSSES) ³
	NOTIONAL	GROSS	GROSS	 ALIZED AND
	AS	OF AUGUST 31	, 2014	UST 31, 2014

				YEAR ENDED
	AS	AUGUST 31, 2013		
	NOTIONAL AMOUNT ¹	GROSS DERIVATIVE ASSETS ²	GROSS DERIVATIVE LIABILITIES ²	REALIZED AND UNREALIZED GAINS (LOSSES) ³
Interest-rate contracts	\$ 1,644,761	\$ 9,394	\$ 8,950	\$ 3,164
Foreign exchange contracts	371,433	4,546	3,483	26,521
Equity contracts	283,100	4,677	-	40,652
Credit contracts	149,454	637	879	(2,820)
TOTAL	\$ 2,448,748	\$ 19,254	\$ 13,312	\$ 67,517

¹ The notional amount is representative of the volume and activity of the respective derivative type during the years ended August 31, 2014 and 2013.

² Gross derivative assets less gross derivative liabilities of \$14.9 million and \$5.9 million as of August 31, 2014 and 2013, respectively, are presented as "derivatives" on the investment table in Note 5.

³ Gains (losses) on derivatives are included in the Statements of Activities as "increase in reinvested gains" in "non-operating activities".

Credit Default Swaps

Credit contracts in the previous table consist of both the purchases and sales of CDS. CDS are contracts under which counterparties are provided protection against the risk of default on a set of debt obligations issued by specific companies (or group of companies combined in an index). The buyer of the CDS will make payment to the seller and in return receive payment if the underlying instrument goes into default or is triggered by some other credit event. The University's CDS transactions include both single name entities as well as index CDS. Under the index CDS, the credit events that would trigger settlement of the CDS and require the University to remit payment are generally bankruptcy and failure to pay.

The table below summarizes certain information regarding the sale of CDS at August 31, 2014 and 2013, in thousands of dollars:

	(R VALUE SSET/				
CREDIT RATINGS OF THE REFERENCE OBLIGATION ²	LES	S THAN 3	(OVER 3	TOTAL	ABILITY)
2014						
Single name credit default swaps:						
A- to AA+	\$	6,900	\$	26,200	\$ 33,100	\$ 431
BBB- to BBB+		575		30,474	31,049	599
Total single name credit default swaps		7,475		56,674	64,149	1,030
Index credit default swaps ³		-		4,900	4,900	(14)
TOTAL CREDIT DEFAULT SWAPS SOLD	\$	7,475	\$	61,574	\$ 69,049	\$ 1,016
2013						
Single name credit default swaps:						
A- to AA+	\$	7,900	\$	1,500	\$ 9,400	\$ 188
BBB- to BBB+		300		5,512	5,812	(431)
Total single name credit default swaps		8,200		7,012	15,212	(243)
Index credit default swaps ³		_		500	500	(2)
TOTAL CREDIT DEFAULT SWAPS SOLD	\$	8,200	\$	7,512	\$ 15,712	\$ (245)

¹ The notional amount is representative of the volume and activity of the respective derivative type during the years ended August 31, 2014 and 2013.

² The credit rating is according to Standard & Poor's and represents the current performance risk of the swap.

³ Index credit default swaps are linked to a basket of credit derivatives that include entities that have a Standard & Poor's rating of BBB- or higher.

DEBT-RELATED DERIVATIVES

The University and SHC use interest rate exchange agreements to manage the interest rate exposure of their debt portfolios. Under the terms of the current agreements, the entities pay a fixed interest rate, determined at inception, and receive a variable rate on the underlying notional principal amount. Generally, the exchange agreements require mutual posting of collateral by the University and SHC and the counterparties if the termination values exceed a predetermined threshold dollar amount.

At August 31, 2014, the University had interest rate exchange agreements related to \$97.0 million of the outstanding balance of the CEFA Series S bonds in variable rate mode (see *Note 10*). The agreements, which have a weighted average interest rate of 3.68%, expire November 1, 2039. The notional amount and the fair value of the exchange agreements are included in the table below. Collateral posted with various counterparties was \$11.0 million at August 31, 2014 and 2013, and is included in the *Statements of Financial Position*. In addition, the University issued an irrevocable standby letter of credit of \$15.0 million to support collateral requirements at August 31, 2014 and 2013 (see *Note 10*). In December 2012, the University terminated certain interest rate exchange agreements and recognized a loss of \$13.0 million in "non-operating activities" in the *Statements of Activities* for the year ended August 31, 2013.

At August 31, 2014, SHC had interest rate exchange agreements expiring through November 2051 (see *Note 11*). The agreements require SHC to pay fixed interest rates to the counterparties varying from 3.37% to 4.08% in exchange for variable rate payments from the counterparties based on a percentage of the One Month London Interbank Offered Rate (LIBOR). The notional amount and the fair value of the exchange agreements are included in the table below. There was no collateral required to be posted with counterparties at August 31, 2014 and 2013. In February 2014, SHC terminated certain interest rate exchange agreements and recognized a loss of \$71 thousand in "non-operating activities" in the *Statements of Activities* for the year ended August 31, 2014.

The following table presents amounts for debt-related derivatives including the notional amount, the fair values at August 31, 2014 and 2013, and gains and losses for the years ended August 31, 2014 and 2013, in thousands of dollars:

	AS OF AUGUS	ST 31	, 2014		AR ENDED JGUST 31, 2014	AS OF AUG	UST 3	1, 2013		AR ENDED GUST 31, 2013
	 OT IONAL MOUNT ¹		GROSS ERIVATIVE ABILITIES ²	U	ALIZED AND NREALIZED LOSSES ³	 OTIONAL MOUNT ¹	DE	GROSS ERIVATIVE ABILITIES ²	UN	LIZED AND REALIZED GAINS ³
Debt-related interest- rate contracts:										
University	\$ 97,000	\$	30,457	\$	(8,617)	\$ 97,000	\$	21,840	\$	34,407
Hospitals	577,200		155,984		(37,532)	746,100		133,255		102,928
TOTAL	\$ 674,200	\$	186,441	\$	(46,149)	\$ 843,100	\$	155,095	\$	137,335

¹ The notional amount is representative of the volume and activity of the respective derivative type during the years ended August 31, 2014 and 2013.

² Fair value is measured using Level 2 inputs as defined in Note 5. Amounts are included in the Statements of Financial Position in "accounts payable and accrued expenses" and discussed more fully in Notes 10 and 11.

³ Gains (losses) on derivatives are included in the Statements of Activities as "swap interest and change in value of swap agreements" in "non-operating activities".

8. Plant Facilities

Plant facilities, net of accumulated depreciation, at August 31, 2014 and 2013, in thousands of dollars, are as follows:

PLANT FACILITIES, NET OF ACCUMULATED DEPRECIATION	\$ 4,558,913	\$ 2,273,399	\$ 6,832,312	\$ 5,994,616
Less accumulated depreciation	(3,595,441)	(1,444,305)	(5,039,746)	(4,662,742)
	8,154,354	3,717,704	11,872,058	10,657,358
Construction in progress	486,935	1,072,877	1,559,812	1,323,225
Utilities	483,272	-	483,272	382,102
Furniture, fixtures and equipment	1,531,679	1,096,230	2,627,909	2,424,358
Buildings and building improvements	5,148,947	1,429,522	6,578,469	5,925,451
Land and improvements	\$ 503,521	\$ 119,075	\$ 622,596	\$ 602,222
	UNIVERSITY	UNIVERSITY HOSPITALS CO		CONSOLIDATED
		2014		2013

At August 31, 2014, \$1.4 billion and \$841.3 million of fully depreciated plant facilities were still in use by the University and the Hospitals, respectively, and were included in plant facilities and accumulated depreciation.

9. Liabilities Under Security Lending Agreements

The University receives short-term U.S. government obligations or cash and cash equivalents as collateral deposits for certain securities loaned temporarily to brokers. It is the University's policy to require receipt of collateral on securities lending contracts and repurchase agreements equal to a minimum of 102% of the fair market value of the security loaned. In addition, the University is party to certain forward sale and purchase agreements. At August 31, 2014 and 2013, these amounts, in thousands of dollars, are as follows:

LIABILITIES UNDER SECURITY LENDING AGREEMENTS	\$ 191,011	\$ 84,048
Forward sale and purchase agreements ¹	27,562	26,238
Collateral deposits for certain securities loaned temporarily to brokers ^{1, 2}	\$ 163,449	\$ 57,810
	2014	2013

¹ The corresponding investments are included as "investments" in the Statements of Financial Position (see Note 5).

² The estimated fair value of securities loaned to brokers at August 31, 2014 and 2013 was \$155.8 million and \$55.4 million, respectively.

10. University Notes and Bonds Payable

Notes and bonds payable for the University at August 31, 2014 and 2013, in thousands of dollars, are as follows:

	YEAR OF	INTEREST RATE *		OUTSTANDING	G PRINCIPAL		
	MATURITY	2014/2013		2014	2013		
Tax-exempt:							
CEFA Fixed Rate Revenue Bonds:							
Series S	2039	5.00%	\$	30,210	\$	30,210	
Series T	2014-2039	4.00% - 5.00%	·	188,900		361,310	
Series U	2021-2045	5.00% - 5.25%		996,855		593,760	
CEFA Variable Rate Revenue Bonds and	d Notes:						
Series L	2015-2022	0.03%/0.06%		83,818		83,818	
Series S	2039-2050	0.10%-0.13%/0.17%-0.20%		141,200		141,200	
Commercial Paper	2015	0.06%/0.08%		50,994		72,070	
Taxable:							
Fixed Rate Notes and Bonds:							
Stanford University Bonds	2024	6.88%		150,000		150,000	
Medium Term Note	2026	7.65%		50,000		50,000	
Stanford University Series 2009A	2014-2019	3.63% - 4.75%		650,000		1,000,000	
Stanford University Series 2012A	2042	4.01%		143,235		143,235	
Stanford University Series 2013A	2044	3.56%		150,115		150,115	
Stanford University Series 2014A	2054	4.25%		150,000		-	
Other	2014-2015	Various		67,364		68,347	
Variable Rate Notes:							
Commercial Paper	2015	0.15%/0.13%		140,715		70,656	
University notes and bonds payable				2,993,406		2,914,721	
Unamortized original issue premiums/di	scounts, net			271,230		183,712	
TOTAL			\$	3,264,636	\$	3,098,433	

*Exclusive of interest rate exchange agreements (see Note 7).

At August 31, 2014 and 2013, the fair value of these debt instruments was approximately \$3.5 billion and \$3.1 billion, respectively. All bonds held at August 31, 2014 and 2013 are considered to be Level 2 fair value measurements.

The University borrows at tax-exempt rates through the California Educational Facilities Authority (CEFA). CEFA debt is a general unsecured obligation of the University. Although CEFA is the issuer, the University is responsible for the repayment of the tax-exempt debt. The University's long-term ratings of AAA/Aaa/AAA were affirmed in April 2014 by Standard & Poor's, Moody's Investors Service and Fitch Ratings, respectively.

In May 2014, CEFA Series U-5 bonds were issued in the amount of \$124.1 million plus an original issue premium of \$26.3 million. The bonds bear interest at a rate of 5.00% and mature on May 1, 2021. Proceeds were used to (1) refinance commercial paper notes which were previously used to refinance CEFA Series T-4 bonds which matured in March 2014; (2) finance facilities and infrastructure; and (3) pay bond issuance costs.

In May 2014, CEFA Series U-6 bonds were issued in the amount of \$279.0 million plus an original issue premium of \$71.0 million. The bonds bear interest at a rate of 5.00% and mature on May 1, 2045. Proceeds were used to (1) refinance commercial paper notes; and (2) finance facilities and infrastructure.

In May 2014, the University issued taxable fixed rate Series 2014 bonds in the amount of \$150.0 million plus an original issue discount of \$27 thousand. The bonds bear interest at a rate of 4.249% and mature on May 1, 2054. Proceeds were used to (1) refinance commercial paper notes; and (2) finance facilities and infrastructure.

In May 2014, the taxable Series 2009A (first tranche) in the amount of \$350.0 million matured and was paid off.

In May 2013, CEFA Series U-3 bonds were issued in the amount of \$261.4 million plus an original issue premium of \$90.4 million. The bonds bear interest at a rate of 5.00% and mature on June 1, 2043. Proceeds were used to (1) refinance commercial paper notes; (2) finance facilities and infrastructure; and (3) pay bond issuance costs.

In May 2013, CEFA Series U-4 bonds were issued in the amount of \$39.2 million plus an original issue premium of \$13.6 million. The bonds bear interest at a rate of 5.00% and mature on June 1, 2043. Proceeds were used to (1) legally defease \$51.3 million of CEFA Series P bonds; and (2) pay bond issuance costs.

In May 2013, CEFA Series S-2 bonds of \$40.0M were converted from a commercial paper rate mode to a fixed rate bond issued in the amount of \$30.2 million plus an original issue premium of \$9.8 million. The bonds bear interest at a rate of 5.00% and mature on November 1, 2039.

In May 2013, the University issued taxable fixed rate Series 2013 bonds in the amount of \$150.1 million. The bonds bear interest at a rate of 3.563% and mature on June 1, 2044. Proceeds were used to (1) refinance commercial paper notes; (2) finance facilities and infrastructure; and (3) pay bond issuance costs.

In December 2010, the University entered into a \$50.0 million line of credit agreement to issue irrevocable standby letters of credit to support various collateral posting obligations. At August 31, 2014, irrevocable standby letters of credit of \$36.5 million were outstanding in the following amounts and for the following respective purposes: (1) \$15.0 million to support collateral requirements under certain interest rate exchange agreements discussed in *Note 7*; and (2) \$21.5 million to serve as security for workers' compensation deductible insurance arrangements. No amounts have been drawn on these letters of credit at August 31, 2014.

Stanford holds controlling interests in several investment entities which were consolidated in the financial statements in fiscal years 2014 and 2013. At August 31, 2014 and 2013, taxable debt included \$66.8 million and \$67.8 million, respectively, of debt where Stanford is ultimately liable for principal should the investees default.

The University's taxable and tax-exempt commercial paper facilities and related information at August 31, 2014 and 2013, in thousands of dollars, are as follows:

	D					WEIGHTED AVERAGE
		DTENTIAL		LANCE AT	AVERAGE DAYS	EFFECTIVE
COMMERCIAL PAPER	BO	RROWINGS	A	UGUST 31	TO MATURITY	INTEREST RATE
2014						
Taxable	\$	500,000	\$	140,715	34.6	0.14%
Tax-exempt	\$	300,000	\$	50,994	49.6	0.07%
2013						
Taxable	\$	500,000	\$	70,656	93.1	0.22%
Tax-exempt	\$	300,000	\$	72,070	65.0	0.13%

The University had \$225.0 million of revenue bonds in variable rate mode outstanding in addition to commercial paper notes at August 31, 2014. CEFA Series L bonds bear interest at a weekly rate and CEFA Series S bonds bear interest at a commercial paper municipal rate and are outstanding for various interest periods of 270 days or less. In the event the University receives notice of any optional tender of these bonds, or if the bonds become subject to mandatory tender, the purchase price of the bonds will be paid from the remarketing of such bonds. However, if the remarketing proceeds are insufficient, the University will have a current obligation to purchase the bonds tendered. The University has identified several sources of funding including cash, money market funds, U.S. treasury securities and agencies' discount notes to provide for the full and timely purchase price of any bonds tendered in the event of a failed remarketing.

The University's interest expense, which includes amortized bond issuance costs and amortized bond premium or discount, in thousands of dollars, is as follows:

	2014	2013
Interest expense, gross	\$ 109,360	\$ 101,016
Less:		
Interest income earned on unspent proceeds	(198)	(253)
Interest capitalized as a cost of construction	(8,324)	(3,845)
Interest expense on Series 2009A bonds which is		
classified as an investment expense	(29,602)	(31,665)
Interest expense, net	\$ 71,236	\$ 65,253

The University uses interest rate exchange agreements to manage the interest rate exposure of its debt portfolio. Net payments on interest rate exchange agreements, which are included in "swap interest and change in value of swap agreements" in the *Statements of Activities*, were \$3.5 million and \$16.7 million for the years ended August 31, 2014 and 2013, respectively, including the loss on the termination of certain interest rate exchange agreements in 2013 (see *Note* 7).

At August 31, 2014, scheduled principal payments on notes and bonds, in thousands of dollars, are as follows:

	I	PRINCIPAL		
YEAR ENDING AUGUST 31	PAYMENTS			
2015 Commercial paper	\$	191,709		
2015 Variable debt subject to remarketing		225,018		
2015 Other		1,334		
2016		315,550		
2017		-		
2018		-		
2019		400,000		
Thereafter		1,859,795		
TOTAL	\$	2,993,406		

11. Hospitals Notes and Bonds Payable

Notes, bonds and capital lease obligations for the Hospitals at August 31, 2014 and 2013, in thousands of dollars, are as follows:

	YEAR OF	INTEREST RATE*	C	DUTSTANDIN	IG PRINCIPAL		
	MATURITY	2014/2013	2014			2013	
SHC:							
CHFFA Fixed Rate Revenue Bonds:							
2008 Series A-1	2040	2.25%-5.15%	\$	68,785	\$	69,485	
2008 Series A-2	2040	1.00%-5.25%		101,750		102,775	
2008 Series A-3	2040	1.00%-5.50%		82,240		83,065	
2010 Series A	2031	4.00%-5.75%		135,305		140,200	
2010 Series B	2036	4.50%-5.75%		146,710		146,710	
2012 Series A	2051	5.00%		340,000		340,000	
2012 Series B	2023	2.00%-5.00%		58,520		63,555	
Promissory Note	2014	7.03%		-		174	
CHFFA Variable Rate Revenue Bonds:							
2008 Series B	2045	0.08%/0.11%		168,200		168,200	
2012 Series C	2051	0.13%/0.14%		60,000		60,000	
2012 Series D	2051	0.71%/0.74%		100,000		100,000	
LPCH:							
CHFFA Fixed Rate Revenue Bonds:							
2008 Series A	2027-2033	1.45%		30,340		30,340	
2008 Series B	2027-2033	1.45%		30,340		30,340	
2008 Series C	2015-2023	1.45%		32,770		32,770	
2012 Series A	2044-2051	5.00%		200,000		200,000	
2012 Series B	2015-2027	4.00%/3.00%		46,815		49,015	
2014 Series A	2025-2043	5.00%		100,000		-	
CHFFA Variable Rate Revenue Bonds:							
2014 Series B	2034-2043	0.51%		100,000		-	
Hospitals notes, bonds and capital lea	se obligations		1	L,801,775		1,616,629	
Unamortized original issue premiums/di	scounts, net			72,098		67,416	
TOTAL			\$ 1	,873,873	\$	1,684,045	

*Exclusive of interest rate exchange agreements (see Note 7).

At August 31, 2014 and 2013, the fair value of these debt instruments was approximately \$2.0 billion and \$1.6 billion, respectively. All bonds held at August 31, 2014 and 2013 are considered to be Level 2 fair value measurements.

The Hospitals borrow at tax-exempt rates through the California Health Facilities Financing Authority (CHFFA). CHFFA debt is a general obligation of the Hospitals. Payments of principal and interest on the Hospitals' bonds are collateralized by a pledge of the revenues of the respective hospitals. Although CHFFA is the issuer, the Hospitals are responsible for the repayment of the tax-exempt debt. The University is not an obligor or guarantor with respect to any obligations of SHC or LPCH, nor are SHC or LPCH obligors or guarantors with respect to obligations of the University.

SHC and LPCH are each party to separate master trust indentures that include, among other requirements, limitations on the incurrence of additional indebtedness, liens on property, restrictions on disposition or transfer of assets and compliance with certain financial ratios. Subject to applicable no-call provisions, the Hospitals may cause the redemption of the bonds, in whole or in part, prior to the stated maturities.

SHC

At August 31, 2014, SHC had \$328.2 million revenue bonds in variable rate mode outstanding. The 2008 Series B-1 bonds bear interest at a weekly rate, and bondholders have the option to tender their bonds on a weekly basis. The 2008 Series B-2 bonds bear interest at the commercial paper rate for each commercial paper period of 270 days or less. Bondholders in commercial paper mode have the option to tender their bonds only at the end of the commercial paper rate period.

The 2012 Series C bonds are in a windows weekly floating index mode and cannot be tendered for 180 days after a 30 day notice and remarketing period. The 2012 Series D bonds are also in a floating index mode with monthly interest rate resets. The 2012 Series D bonds are not subject to remarketing or tender until May 23, 2019.

In the event SHC receives notice of any optional tender of the 2008 Series B-1 bonds or the 2012 Series C bonds, or if any bonds become subject to mandatory tender, the purchase price of the bonds will be paid from the remarketing of such bonds. However, if the remarketing proceeds are insufficient, SHC will have a current obligation to purchase the bonds tendered. SHC maintains sufficient liquidity to provide for the full and timely purchase price of any bonds tendered in the event of a failed remarketing.

At August 31, 2014, SHC had irrevocable standby letters of credit in the aggregate amount of \$26.8 million posted with certain beneficiaries in the following amounts and for the following respective purposes: (i) \$16.7 million to serve as security for the workers' compensation self-insurance arrangement and (ii) \$10.1 million to serve as security deposits for certain construction projects being undertaken by SHC including the Renewal Project. No amounts have been drawn on these letters of credit at August 31, 2014 and 2013.

LPCH

In May 2014, CHFFA, on behalf of LPCH, issued 2014 Series A bonds and 2014 Series B bonds in the aggregate principal amount of \$200.0 million. Proceeds of the 2014 bonds will be used to finance a portion of the Renewal Project and to pay a portion of bond issuance costs. The 2014 Series A bonds were issued as fixed rate bonds with interest rates ranging from 4-5% over the life of the bonds. The 2014 Series B bonds were issued in a floating index mode with monthly interest rate resets. The 2014 Series B bonds are not subject to remarketing or tender until May 8, 2024.

At August 31, 2014, LPCH had irrevocable standby letters of credit in the aggregate amount of \$13.8 million posted with certain beneficiaries in the following amounts and for the following respective purposes: (i) \$7.2 million to serve as security for the workers' compensation self-insurance arrangement and (ii) \$6.6 million to serve as security deposits for certain construction projects being undertaken by LPCH including the Renewal Project. No amounts have been drawn on these letters of credit at August 31, 2014 and 2013.

INTEREST

The Hospitals' interest expense, which includes settlements under the interest rate exchange agreements, amortized bond issuance costs and amortized bond premium or discount, in thousands of dollars, is as follows:

	2014	2013
Interest expense, gross, excluding settlements under the		
interest rate exchange agreements	\$ 60,623	\$ 59,614
Settlements under the interest rate exchange agreements	16,982	19,674
Less:		
Interest capitalized as a cost of construction	(21,648)	(19,074)
Interest expense, net	\$ 55,957	\$ 60,214

PRINCIPAL PAYMENTS

At August 31, 2014, scheduled principal payments on notes, bonds and capital lease obligations, in thousands of dollars, are as follows:

	F	RINCIPAL
YEAR ENDING AUGUST 31	Р	AYMENTS
2015 Variable debt subject to remarketing	\$	228,200
2015 Other		17,075
2016		18,930
2017		19,065
2018		19,395
2019		20,720
Thereafter		1,478,390
TOTAL	\$	1,801,775

12. University Endowment

The University classifies a substantial portion of its financial resources as endowment, which is invested to generate income to support operating and strategic initiatives. The endowment, which includes endowed lands, is comprised of pure endowment funds, term endowment funds, and funds functioning as endowment (FFE). Depending on the nature of the donor's stipulation, these resources are recorded as permanently restricted, temporarily restricted or unrestricted net assets. Term endowments are similar to other endowment funds except that, upon the passage of a stated period of time or the occurrence of a particular event, all or part of the principal may be expended. Accordingly, term endowments are classified as temporarily restricted net assets. FFE are University resources designated by the Board as endowment and are invested for long-term appreciation and current income. These assets, however, remain available and may be spent at the Board's discretion. Accordingly, FFE are recorded as unrestricted net assets.

The University classifies as permanently restricted net assets (a) the original value of gifts donated to the permanent endowment and (b) 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 fund that is not classified in permanently restricted net assets is classified as temporarily restricted net assets until those amounts are authorized for expenditure. In the absence of donor stipulations or law to the contrary, net unrealized losses on permanently restricted net assets, as needed, until the fair value of the fund equals or exceeds historic value. The aggregate amount by which fair value was below historic value was \$4.9 million and \$20.3 million at August 31, 2014 and 2013, respectively.

Endowment funds by net asset classification at August 31, 2014 and 2013, in thousands of dollars, are as follows:

2014 Donor-restricted endowment funds \$ (4,882) \$ 6,574,426 \$ 5,465,939 \$ 1 Funds functioning as endowment 9,410,523 TOTAL ENDOWMENT FUNDS \$ 9,405,641 \$ 6,574,426 \$ 5,465,939 \$ 2 2013 Denser restricted endowment funds	\$ 7,985,849 \$ 5,528,171 \$ 5,174,848 \$ 18,688,868	\$	L ENDOWMENT FUNDS \$
UNRESTRICTED RESTRICTED RESTRICTED 2014 Donor-restricted endowment funds \$ (4,882) \$ 6,574,426 \$ 5,465,939 \$ 1 Funds functioning as endowment 9,410,523 - TOTAL ENDOWMENT FUNDS \$ 9,405,641 \$ 6,574,426 \$ 5,465,939 \$ 2 2013 Donor restricted endowment funds	8,006,127 8,006,127		functioning as endowment
UNRESTRICTEDRESTRICTEDRESTRICTED2014Donor-restricted endowment fundsFunds functioning as endowment9,410,523	\$ (20,278) \$ 5,528,171 \$ 5,174,848 \$ 10,682,741	\$	r-restricted endowment funds
UNRESTRICTED RESTRICTED RESTRICTED 2014 Donor-restricted endowment funds \$ (4,882) \$ 6,574,426 \$ 5,465,939 \$ 100000000000000000000000000000000000	\$ 9,405,641 \$ 6,574,426 \$ 5,465,939 \$ 21,446,006	\$	L ENDOWMENT FUNDS
UNRESTRICTED RESTRICTED RESTRICTED	9,410,523 9,410,523		functioning as endowment
	\$ (4,882) \$ 6,574,426 \$ 5,465,939 \$ 12,035,483	Þ	r-restricted endowment funds \$
		JNRI	U

Most of the University's endowment is invested in the MP. The return objective for the MP is to generate optimal long-term total return while maintaining an appropriate level of risk for the University. Investment returns are achieved through both capital appreciation (realized and unrealized gains) and current yield (interest and dividends). Portfolio asset allocation targets as well as expected risk, return and correlation among the asset classes are reevaluated annually by Stanford Management Company.

Approximately 12% of the endowment is invested in real estate on Stanford's lands, including the Stanford Research Park. This portion of the endowment includes the present value of ground leases, and rental properties that have been developed on Stanford lands. The net operating income from these properties is distributed each year for University operations.

Through the combination of investment strategy and payout policy, the University is striving to provide a reasonably consistent payout from endowment to support operations, while preserving the purchasing power of the endowment adjusted for inflation.

The Board approves the amounts to be paid out annually from endowment funds invested in the MP. Consistent with the Uniform Prudent Management of Institutional Funds Act, when determining the appropriate payout the Board considers the purposes of the University and the endowment, the duration and preservation of the endowment, general economic conditions, the possible effect of inflation or deflation, the expected return from income and the appreciation of investments, other resources of the University, and the University's investment policy.

The current Board approved targeted spending rate is 5.5%. The sources of payout are earned income on endowment assets (interest, dividends, rents and royalties), realized capital gains and FFE, as needed and as available.

Changes in the University's endowment, excluding pledges, for the years ended August 31, 2014 and 2013, in thousands of dollars, are as follows:

	UNRESTRICTED		TEMPORARILY RESTRICTED		RMANENTLY ESTRICTED	TOTAL	
2014	011					TOTAL	
Endowment, beginning of year	\$	7,985,849	\$	5,528,171	\$ 5,174,848	\$ 18,688,868	
Investment returns:							
Earned income		228,278		-	-	228,278	
Unrealized and realized gains		1,758,273		1,037,250	58,934	2,854,457	
Total investment returns		1,986,551		1,037,250	58,934	3,082,735	
Amounts distributed for operations		(985,215)		-	-	(985,215)	
Gifts, transfers and other changes in endowment:							
Current year gifts and pledge payments		17,673		8,025	163,700	189,398	
Transfers of prior year gifts		5,557		-	24,724	30,281	
EFP funds invested in the endowment		367,648		-	-	367,648	
Other funds invested in the endowment, net		27,578		980	43,733	72,291	
Total gifts, transfers and other changes in endowment		418,456		9,005	232,157	659,618	
Total net increase in endowment		1,419,792		1,046,255	291,091	2,757,138	
ENDOWMENT, END OF YEAR	\$	9,405,641	\$	6,574,426	\$ 5,465,939	\$ 21,446,006	
2013							
Endowment, beginning of year	\$	7,067,439	\$	5,016,796	\$ 4,951,569	\$ 17,035,804	
Investment returns:							
Earned income		232,016		-	-	232,016	
Unrealized and realized gains		729,859		1,006,324	17,099	1,753,282	
Total investment returns		961,875		1,006,324	17,099	1,985,298	
Amounts distributed for operations		(413,429)		(507,243)	-	(920,672)	
Gifts, transfers and other changes in endowment:							
Current year gifts and pledge payments		2,902		2,441	165,232	170,575	
Transfers of prior year gifts		3,732		354	28,002	32,088	
EFP funds invested in the endowment		275,221		-	-	275,221	
Other funds invested in the endowment, net		88,109		9,499	12,946	110,554	
Total gifts, transfers and other changes in		260.064		12 204	206 182	E00 430	
endowment		369,964		12,294	206,180	588,438	
Total net increase in endowment		918,410		511,375	223,279	1,653,064	
ENDOWMENT, END OF YEAR	\$	7,985,849	\$	5,528,171	\$ 5,174,848	\$ 18,688,868	

13. Hospitals Endowments

The endowments of SHC and LPCH are intended to generate investment income to support their current operating and strategic initiatives. The following table summarizes each hospital's share of the Hospitals endowments at August 31, 2014 and 2013, in thousands of dollars:

	2014	2013		
LPCH	\$ 308,872	\$	280,799	
SHC	17,985		16,133	
TOTAL ENDOWMENT FUNDS	\$ 326,857	\$	296,932	

The Hospitals invest the majority of their endowments in the University's MP. Their endowments are subject to the same investment and spending strategies that the University employs as described in *Note 12*. The Hospitals' Boards of Directors have approved payout policies which provide for annual amounts to be distributed for current use. "Amounts distributed for operations" in the table below represents the Hospitals' current year endowment payout spent for designated purposes during fiscal years 2014 and 2013.

The Hospitals classify as permanently restricted net assets (a) the original value of gifts donated to the permanent endowment and (b) 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 fund that is not classified in permanently restricted net assets is classified as temporarily restricted net assets until those amounts are authorized for expenditure. In the absence of donor stipulations or law to the contrary, net unrealized losses on permanently restricted net assets, as needed, until the fair value of the fund equals or exceeds historic value. The aggregate amount by which fair value was below historic value was approximately \$0 and \$12 thousand at August 31, 2014 and 2013, respectively.

Changes in Hospitals endowments, for the years ended August 31, 2014 and 2013, in thousands of dollars, are as follows:

	UNRE	STRICTED	 MPORARILY STRICTED	 RMANENTLY STRICTED	TOTAL
2014					
Endowments, beginning of year	\$	(12)	\$ 88,612	\$ 208,332	\$ 296,932
Investment returns:					
Earned income		-	14,957	-	14,957
Unrealized and realized gains		12	27,579	1,938	29,529
Total investment returns		12	42,536	1,938	44,486
Amounts distributed for operations		-	(14,551)	-	(14,551)
Gifts and pledge payments		-	-	744	744
Other		-	(774)	20	(754)
Total net increase in endowments		12	27,211	2,702	29,925
ENDOWMENTS, END OF YEAR	\$	-	\$ 115,823	\$ 211,034	\$ 326,857
2013					
Endowments, beginning of year	\$	(216)	\$ 74,081	\$ 207,350	\$ 281,215
Investment returns:					
Earned income		-	14,694	-	14,694
Unrealized and realized gains		204	14,812	1,364	16,380
Total investment returns		204	29,506	1,364	31,074
Amounts distributed for operations		-	(13,631)	-	(13,631)
Gifts and pledge payments		-	-	1,185	1,185
Other		-	(1,344)	(1,567)	(2,911)
Total net increase in endowments		204	14,531	982	15,717
ENDOWMENTS, END OF YEAR	\$	(12)	\$ 88,612	\$ 208,332	\$ 296,932

All of the Hospitals endowments are classified as donor-restricted.

14. University Gifts and Pledges

The University's Office of Development (OOD) reports total gifts based on contributions received in cash or property during the fiscal year. Gifts and pledges reported for financial statement purposes are recorded on the accrual basis. The following summarizes gifts and pledges reported for the years ended August 31, 2014 and 2013, per the *Statements of Activities* reconciled to the cash basis reported by OOD, in thousands of dollars:

2011

	2014	2013
Current year gifts in support of operations	\$ 211,841	\$ 180,071
Donor advised funds, net	29,314	1,930
Current year gifts not included in operations	17,673	2,902
Temporarily restricted gifts and pledges, net	372,875	345,526
Permanently restricted gifts and pledges, net	154,068	164,102
TOTAL PER STATEMENTS OF ACTIVITIES	785,771	694,531
Adjustments to arrive at gift total as reported by OOD:		
New pledges	(368,759)	(247,611)
Payments made on pledges	269,958	282,948
Pledge discounts and other adjustments	31,842	27,225
Donor advised funds not designated for Stanford	(12,003)	10,669
Non-cash gifts	11,683	2,962
Non-government grants, recorded as		
sponsored research support when earned	110,535	85,098
SHC gifts	87,425	73,673
Other	12,007	2,072
TOTAL AS REPORTED BY OOD	\$ 928,459	\$ 931,567

15. Functional Expenses

Expenses for the years ended August 31, 2014 and 2013 are categorized on a functional basis as follows, in thousands of dollars:

				2013				
	U	NIVERSITY	ŀ	IOSPITALS	CO	NSOLIDATED	CO	NSOLIDATED
Instruction and departmental research	\$	1,492,360	\$	-	\$	1,492,360	\$	1,400,573
Organized research - direct costs		1,075,577		-		1,075,577		1,040,952
Patient services		-		2,753,321		2,753,321		2,593,116
Auxiliary activities		896,359		-		896,359		790,917
Administration and general		353,680		322,453		676,133		538,030
Student services		188,268		-		188,268		167,551
Libraries		160,182		-		160,182		148,334
Development		82,678		21,663		104,341		90,744
SLAC construction		42,736		-		42,736		23,527
TOTAL EXPENSES	\$	4,291,840	\$	3,097,437	\$	7,389,277	\$	6,793,744

Depreciation, interest, operations and maintenance expenses are allocated to program and supporting activities, except for SLAC construction. Auxiliary activities include housing and dining services, intercollegiate athletics, Stanford Alumni Association, patient care provided by the SoM faculty, and other activities.

16. University Retirement Plans

The University provides retirement benefits through both contributory and noncontributory retirement plans for substantially all of its employees.

DEFINED CONTRIBUTION PLAN

The University offers a defined contribution plan to eligible faculty and staff through the *Stanford Contributory Retirement Plan* (SCRP). University and participant contributions are primarily invested in annuities and mutual funds. University contributions under the SCRP, which are vested immediately to participants, were approximately \$129.0 million and \$117.6 million for the years ended August 31, 2014 and 2013, respectively.

DEFINED BENEFIT PLANS

The University provides retirement and postretirement medical and other benefits through three defined benefit plans: the *Staff Retirement Annuity Plan*, the *Faculty Retirement Incentive Program*, and the *Postretirement Benefit Plan* (the "Plans"). The obligations for the Plans, net of plan assets, are recorded in the *Statements of Financial Position* as "accrued pension and post retirement benefit cost". These are described more fully below.

Staff Retirement Annuity Plan

Retirement benefits for certain employees are provided through the *Staff Retirement Annuity Plan* (SRAP), a noncontributory plan. While the SRAP is closed to new participants, certain employees continue to accrue benefits. The University's policy is to fund pension costs in accordance with the Employee Retirement Income Security Act (ERISA)'s requirements.

Faculty Retirement Incentive Program

The University also provides a retirement incentive bonus for eligible faculty through the University *Faculty Retirement Incentive Program* (FRIP). The University's faculty may become eligible for the FRIP program if they commit to retire within a designated window of time. At August 31, 2014 and 2013, there were no program assets. The University funds benefit payouts as they are incurred.

Postretirement Benefit Plan

The University also provides certain health care benefits for retired employees through its *Postretirement Benefit Plan* (PRBP). The University's employees and their covered dependents may become eligible for the PRBP upon the employee's retirement. Retiree health plans are paid for, in part, by retiree contributions, which are adjusted annually. Health benefits provided and the gross premiums charged (before University subsidies) to retirees under age 65 are the same as those provided to active employees. The University subsidy varies depending on whether the retiree is covered under the grandfathered design or the defined dollar benefit design. Medicare supplement options are provided for retirees over age 65.

The change in the Plans' assets, the related change in benefit obligations and the amounts recognized in the financial statements, in thousands of dollars, are as follows:

	STAFF RETIREMENT ANNUITY PLAN (SRAP)	FACULTY RETIREMENT INCENTIVE PROGRAM (FRIP)	POST RETIREMENT BENEFIT PLAN (PRBP)	TOTAL
2014				
Change in plan assets: Fair value of plan assets, beginning of year Actual return on plan assets Employer contributions Plan participants' contributions Benefits and plan expenses paid	\$ 276,536 49,934 - - (25,156)	\$ - 3,694 - (3,694)	\$ 170,537 29,678 18,373 9,146 (24,625) *	\$ 447,073 79,612 22,067 9,146 (53,475)
FAIR VALUE OF PLAN ASSETS, END OF YEAR	301,314	(3,031)	203,109	504,423
· · · · ·	501,514	-	203,109	504,425
Change in projected benefit obligation: Benefit obligation, beginning of year Service cost Interest cost Plan participants' contributions Actuarial loss Benefits and plan expenses paid	310,424 3,253 12,798 - 14,846 (25,156)	175,558 10,827 7,373 - 7,532 (3,694)	504,015 15,577 23,606 9,146 29,179 (24,625) *	989,997 29,657 43,777 9,146 51,557 (53,475)
BENEFIT OBLIGATION, END OF YEAR	316,165	197,596	556,898	1,070,659
NET LIABILITY RECOGNIZED IN THE STATEMENTS OF FINANCIAL POSITION * Net of Medicare subsidy	\$ (14,851)	\$ (197,596)	\$ (353,789)	\$(566,236)
2013 Change in plan assets: Fair value of plan assets, beginning of year Actual return on plan assets Employer contributions Plan participants' contributions Benefits and plan expenses paid	\$ 290,257 5,082 4,720 - (23,523)	\$- - 3,995 - (3,995)	\$ 149,798 18,216 18,323 7,298 (23,098) *	\$ 440,055 23,298 27,038 7,298 (50,616)
FAIR VALUE OF PLAN ASSETS, END OF YEAR Change in projected benefit obligation:	276,536	-	170,537	447,073
Benefit obligation, beginning of year Service cost Interest cost Plan participants' contributions Actuarial gain Benefits and plan expenses paid	349,126 3,831 11,256 - (30,266) (23,523)	179,669 11,734 5,867 - (17,717) (3,995)	560,578 18,349 20,861 7,298 (79,973) (23,098) *	1,089,373 33,914 37,984 7,298 (127,956) (50,616)
BENEFIT OBLIGATION, END OF YEAR	310,424	175,558	504,015	989,997
NET LIABILITY RECOGNIZED IN THE STATEMENTS OF FINANCIAL POSITION * Net of Medicare subsidy	\$ (33,888)	\$ (175,558)	\$ (333,478)	\$(542,924)

* Net of Medicare subsidy

The accumulated benefit obligation for the SRAP was \$313.9 million and \$307.8 million at August 31, 2014 and 2013, respectively.

Net periodic benefit expense and non-operating activities related to the Plans for the years ended August 31, 2014 and 2013, in thousands of dollars, includes the following components:

	STAFF RETIREMENT ANNUITY PLAN (SRAP)	FACULTY RETIREMENT INCENTIVE PROGRAM (FRIP)	POST RETIREMENT BENEFIT PLAN (PRBP)	TOTAL
2014	± 2.252	± 10.007	+ 45 533	+ 20 657
Service cost Interest cost	\$ 3,253 12,798	\$ 10,827 7,373	\$ 15,577 23,606	\$ 29,657 43,777
Expected return on plan assets	(18,389)		(11,938)	(30,327)
Amortization of:	(10,505)		(11,550)	(30,327)
Prior service cost	540	-	2,545	3,085
Actuarial loss	349	5,679	5,111	11,139
NET PERIODIC BENEFIT EXPENSE (INCOME)	(1,449)	23,879	34,901	57,331
Net actuarial gain during period Amortization of:	(16,699)	7,532	11,439	2,272
Prior service cost	(540)	-	(2,545)	(3,085)
Actuarial loss	(349)	(5,679)	(5,111)	(11,139)
TOTAL AMOUNTS RECOGNIZED IN NON-OPERATING ACTIVITIES	(17,588)	1,853	3,783	(11,952)
TOTAL AMOUNT RECOGNIZED IN NET PERIODIC BENEFIT EXPENSE AND				
NON-OPERATING ACTIVITIES	\$ (19,037)	\$ 25,732	\$ 38,684	\$ 45,379
2013				
Service cost	\$ 3,831	\$ 11,734	\$ 18,349 20,861	\$ 33,914 37,984
Interest cost Expected return on plan assets	11,256 (19,478)	5,867	(10,530)	(30,008)
Amortization of:	(19,470)		(10,550)	(30,008)
Prior service cost	540	-	2,569	3,109
Actuarial loss	2,970	7,464	11,165	21,599
NET PERIODIC BENEFIT EXPENSE (INCOME)	(881)	25,065	42,414	66,598
Net actuarial gain during period	(15,870)	(17,717)	(87,632)	(121,219)
Amortization of:				
Prior service cost	(540)	-	(2,569)	(3,109)
Actuarial loss TOTAL AMOUNTS RECOGNIZED IN	(2,970)	(7,464)	(11,165)	(21,599)
NON-OPERATING ACTIVITIES	(19,380)	(25,181)	(101,366)	(145,927)
TOTAL AMOUNT RECOGNIZED IN				
NET PERIODIC BENEFIT EXPENSE AND NON-OPERATING ACTIVITIES	¢ (20.261)	¢ (116)	¢ (59.052)	¢ (70,220)
NON-OPERATING ACTIVITES	\$ (20,261)	\$ (116)	\$ (58,952)	\$ (79,329)

Cumulative amounts recognized in non-operating activities, but not yet recognized in net periodic benefit expense in the *Statements of Activities*, are presented in the following table for the years ended August 31, 2014 and 2013, in thousands of dollars:

			F	ACULTY			
		STAFF	RE	FIREMENT		POST	
	RET	FIREMENT	IN	CENTIVE	RE	TIREMENT	
	A	NNUITY	Р	Rogram	BEN	NEFIT PLAN	
	PLA	N (SRAP)		(FRIP)		(PRBP)	TOTAL
2014							
Prior service cost	\$	314	\$	-	\$	3,394	\$ 3,708
Net actuarial loss		21,838	·	98,690	·	135,025	255,553
ACCUMULATED PLAN BENEFIT COSTS NOT YET RECOGNIZED							
IN NET PERIODIC BENEFIT EXPENSE	\$	22,152	\$	98,690	\$	138,419	\$ 259,261
2013							
Prior service cost	\$	854	\$	-	\$	5,939	\$ 6,793
Net actuarial loss		38,886		96,837		128,697	264,420
ACCUMULATED PLAN BENEFIT COSTS NOT YET RECOGNIZED							
IN NET PERIODIC BENEFIT EXPENSE	\$	39,740	\$	96,837	\$	134,636	\$ 271,213

The prior service costs and net actuarial loss expected to be amortized from non-operating activities to net periodic benefit expense in fiscal year 2015, in thousands of dollars, are as follows:

			FA	ACULTY						
	ST	STAFF RETIREMENT POST								
	RETIR	RETIREMENT INCENTIVE RETIREMENT								
	ANNUI	ΓΥ PLAN	PR	OGRAM	BENE	FIT PLAN				
	(SI	RAP)	((FRIP)	(PRBP)		Total		
Prior service cost	\$	277	\$	-	\$	2,545	\$	2,822		
Net actuarial loss	\$	-	\$	5,570	\$	5,192	\$	10,762		

ACTUARIAL ASSUMPTIONS

The weighted average assumptions used to determine the benefit obligations and net periodic benefit cost for the Plans are shown below:

	STAFF RETIREMENT ANNUITY PLAN (SRAP)		FACULTY RETIREMENT INCENTIVE PROGRAM (FRIP)		52.12.1	TIREMENT T PLAN BP)
	2014	2013	2014	2013	2014	2013
BENEFIT OBLIGATIONS						
Discount rate	3.64%	4.31%	3.59%	4.30%	4.10%	4.77%
Covered payroll growth rate	3.00%	3.50%	4.45%	4.41%	N/A	N/A
NET PERIODIC BENEFIT COST						
Discount rate	4.31%	3.36%	4.30%	3.33%	4.77%	3.78%
Expected returns on plan assets	7.00%	7.00%	N/A	N/A	7.00%	7.00%
Covered payroll growth rate	3.50%	3.54%	4.41%	4.42%	N/A	N/A

The expected long-term rate of return on asset assumptions for both the SRAP and PRBP plans is 7%. Expected returns on plan assets, a component of net periodic benefit expense (income), represent the long-term return on plan assets based on the calculated market-related value of plan assets. These rates of return are developed using an arithmetic average and are tested for reasonableness against historical returns, and the future expectations for returns in each asset class, as well as the target asset allocation of the portfolios. The use of expected long-term returns on plan assets may result in income that is greater or less than the actual returns of those plan assets in any given year. Over time, however, the expected long-term returns are designed to approximate the actual long-term returns, and therefore result in a pattern of income and cost recognition that more closely matches the pattern of the services provided by the employees. Differences between actual and expected returns are recognized as a component of non-operating activities and amortized as a component of net periodic benefit expense (income) over the service life expectancy of the plan participants, depending on the plan, provided such amounts exceed the accounting standards threshold.

To determine the accumulated PRBP obligation at August 31, 2014, a 7.25% annual rate of increase in the per capita costs of covered health care was assumed for calendar year 2014, declining gradually to 4.75% by 2024 and remaining at this rate thereafter. Health care cost trend rate assumptions have a significant effect on the amounts reported for the health care plans. Increasing the health care cost trend rate by 1% in each future year would increase the accumulated PRBP obligation by \$99.5 million and the aggregate annual service and interest cost by \$8.3 million. Decreasing the health care cost trend rate by 1% in each future year would decrease the accumulated PRBP obligation by \$78.4 million and the aggregate annual service and interest cost by \$6.3 million.

EXPECTED CONTRIBUTIONS

The University expects to contribute \$9.5 million to the FRIP and does not expect to contribute to the SRAP or PRBP during the year ending August 31, 2015.

EXPECTED BENEFIT PAYMENTS

The following benefit payments, which reflect expected future service, are expected to be paid, in thousands of dollars, for the years ending August 31:

			F٨	ACULTY	P	OST RETIRE PLAN	MENT (PRBP			
	S	STAFF	RET	IREMENT			ΕX	PECTED		
	RET	RETIREMENT INCENTIV		INCENTIVE		INCENTIVE		CLUDING	M	EDICARE
	ANNU	JITY PLAN	PROGRAM		M	EDICARE	F	PART D		
YEAR ENDING AUGUST 31	(SRAP)	(FRIP)		S	SUBSIDY		SUBSIDY		
2015	\$	27,784	\$	9,488	\$	17,661	\$	2,921		
2016		23,774		12,457		18,782		3,209		
2017		23,547		14,875		20,143		3,501		
2018		23,375		15,007		21,599		3,810		
2019		22,925		15,483		23,013		4,146		
2020 - 2024		106,949		82,940		137,695		26,566		

INVESTMENT STRATEGY

The University's Retirement Program Investment Committee, acting in a fiduciary capacity, has established formal investment policies for the assets associated with the University's funded plans (SRAP and PRBP). The investment strategy of the plans is to preserve and enhance the value of the plans' assets within acceptable levels of risk. Investments in the plans are diversified among asset classes, striving to achieve an optimal balance between risk and return, and income and capital appreciation. Because the liabilities of each of the plans are long-term, the investment horizon is primarily long-term, with adequate liquidity to meet short-term benefit payment obligations.

CONCENTRATION OF RISK

The University manages a variety of risks, including market, credit, and liquidity risks, across its plan assets. Concentration of risk is defined as an undiversified exposure to one of the above-mentioned risks that increases the exposure of the loss of plan assets unnecessarily. Risk is minimized by predominately investing in broadly diversified index funds for public equities and fixed income. As of August 31, 2014, the University did not have concentrations of risk in any single entity, counterparty, sector, industry or country.

PLAN ASSET ALLOCATIONS

Actual allocations and weighted-average target allocations by asset category at August 31, 2014 are as follows:

	STAFF RE ANNUIT (SR		POST RET BENEFI (PR	
ASSET CATEGORY	ACTUAL	TARGET	ACTUAL	TARGET
2014				
Cash and cash equivalents	<1%	0%	0%	0%
Public equities	40%	45%	75%	75%
Fixed income	60%	55%	25%	25%
Private equities	<1%	<1%	0%	0%
TOTAL PORTFOLIO	100%	100%	100%	100%

FAIR VALUE OF PLAN ASSETS

Current U.S GAAP defines a hierarchy of valuation inputs for the determination of the fair value of plan assets as described in *Note 5*. The plan assets measured at fair value at August 31, 2014 and 2013, in thousands of dollars, are as follows:

		AS OF					
	AUGU	IST 31, 2014	LEVEL 1	Lt	EVEL 2	LE	VEL 3
SRAP: Cash and cash equivalents Public equities Fixed income Private equities	\$	1,308 119,908 179,842 256	\$ 1,308 119,908 176,061 -	\$	- - 3,781 -	\$	- - 256
TOTAL		301,314	297,277		3,781		256
PRBP: Public equities Fixed income		152,150 50,959	152,150 50,959		-		-
TOTAL		203,109	203,109		-		-
TOTAL FAIR VALUE OF PLAN ASSETS	\$	504,423	\$ 500,386	\$	3,781	\$	256
	AUGU	AS OF IST 31, 2013	LEVEL 1	LE	EVEL 2	LE	VEL 3
SRAP: Cash and cash equivalents Public equities Fixed income Private equities	\$	1,156 119,714 155,379 287	\$ 1,156 119,714 151,511 -	\$	- - 3,868 -	\$	- - - 287
TOTAL		276,536	272,381		3,868		287
PRBP: Public equities Fixed income		127,182 43,355	127,182 43,355		-		-
TOTAL		170,537	170,537				_
TOTAL FAIR VALUE OF PLAN ASSETS	\$	447,073	\$ 442,918	\$	3,868	\$	287

17. Hospitals Retirement Plans

The Hospitals provide retirement benefits through defined benefit and defined contribution retirement plans covering substantially all regular employees.

DEFINED CONTRIBUTION PLAN

Employer contributions to the defined contribution retirement plan are based on a percentage of participant annual compensation. Employer contributions to this plan amounted to approximately \$81.3 million and \$71.6 million for the years ended August 31, 2014 and 2013, respectively.

DEFINED BENEFIT PLANS

Certain employees of the Hospitals are covered by the *Staff Pension Plan* (the "Pension Plan"), a noncontributory, defined benefit pension plan. Benefits of certain prior employees of LPCH are covered by a frozen defined benefit plan. Benefits are based on years of service and the employee's compensation. Contributions to the plans are based on actuarially determined amounts sufficient to meet the benefits to be paid to plan participants.

POST RETIREMENT MEDICAL BENEFIT PLAN

The Hospitals currently provide health insurance coverage for certain retired employees through its *Post Retirement Medical Benefit Plan* (PRMB). The Hospitals' employees and their covered dependents may become eligible for the PRMB upon the employee's retirement as early as age 55, with years of service as defined by specific criteria. Retiree health plans are paid, in part, by retiree contributions, which are adjusted annually. The Hospitals provide a subsidy which varies depending on whether the retiree is covered under the grandfathered design or the defined dollar benefit design. A Medicare supplement option is provided for retirees over age 65. The obligation for these benefits has been recorded in the *Statements of Financial Position* as "accrued pension and post retirement benefit cost".

The change in Pension Plan and PRMB plans' assets, the related change in benefit obligations and the amounts recognized in the financial statements, in thousands of dollars, are as follows:

	PE	STAFF NSION PLAN		POST ETIREMENT MEDICAL ENEFIT PLAN (PRMB)		TOTAL
2014						
Change in plan assets:						
Fair value of plan assets, beginning of year	\$	187,527	\$	-	\$	187,527
Actual return on plan assets		37,820		-		37,820
Employer contributions		6,020		4,703		10,723
Plan participants' contributions		-		1,237		1,237
Benefits and plan expenses paid		(10,939)		(5,940)		(16,879)
FAIR VALUE OF PLAN ASSETS, END OF YEAR		220,428		-		220,428
Change in projected benefit obligation:						
Benefit obligation, beginning of year		231,342		82,846		314,188
Service cost		2,324		1,839		4,163
Interest cost		10,330		3,507		13,837
Plan participants' contributions		-		1,237		1,237
Actuarial loss		20,094		1,127		21,221
Benefits and plan expenses paid		(10,939)		(5,940)		(16,879)
BENEFIT OBLIGATION, END OF YEAR		253,151		84,616		337,767
NET LIABILITY RECOGNIZED IN THE STATEMENTS OF FINANCIAL POSITION	\$	(32,723)	\$	(84,616)	\$	(117,339)
2013						
Change in plan assets:						
Fair value of plan assets, beginning of year	\$	190,704	\$	-	\$	190,704
Actual return on plan assets	Ŷ	3,772	Ψ	-	Ψ	3,772
Employer contributions		3,986		5,163		9,149
Plan participants' contributions		-		1,859		1,859
Benefits and plan expenses paid		(10,935)		(7,022)		(17,957)
FAIR VALUE OF PLAN ASSETS, END OF YEAR		187,527		-		187,527
Change in projected benefit obligation:						
Benefit obligation, beginning of year		257,781		87,150		344,931
Service cost		2,708		2,075		4,783
Interest cost		9,117		2,911		12,028
Plan participants' contributions Actuarial gain		- (27,329)		1,859 (5,751)		1,859 (33,080)
Benefits and plan expenses paid		(10,935)		(7,022)		(33,080) (17,957)
Plan amendments		(10,555)		1,624		1,624
BENEFIT OBLIGATION, END OF YEAR		231,342		82,846		314,188
NET LIABILITY RECOGNIZED IN THE						
STATEMENTS OF FINANCIAL POSITION	\$	(43,815)	\$	(82,846)	\$	(126,661)

The accumulated benefit obligation for the Pension Plan was \$250.7 million and \$228.7 million at August 31, 2014 and 2013, respectively.

Net periodic benefit expense and non-operating activities related to the plans for the years ended August 31, 2014 and 2013, in thousands of dollars, includes the following components:

	PE	STAFF NSION PLAN	POST TIREMENT MEDICAL NEFIT PLAN (PRMB)	TOTAL
2014 Service cost Interest cost Expected return on plan assets Amortization of:	\$	2,324 10,330 (13,471)	\$ 1,839 3,507 -	\$ 4,163 13,837 (13,471)
Prior service cost Actuarial loss (gain)		- 2,245	815 (463)	815 1,782
NET PERIODIC BENEFIT EXPENSE		1,428	5,698	7,126
Net actuarial (gain) loss during period Amortization of:		(4,255)	1,127	(3,128)
Prior service cost Actuarial (loss) gain		- (2,245)	(815) 463	(815) (1,782)
TOTAL AMOUNTS RECOGNIZED IN NON-OPERATING ACTIVITIES		(6,500)	775	(5,725)
TOTAL AMOUNT RECOGNIZED IN NET PERIODIC BENEFIT EXPENSE AND NON- OPERATING ACTIVITIES	\$	(5,072)	\$ 6,473	\$ 1,401
2013 Service cost Interest cost Expected return on plan assets	\$	2,708 9,117 (13,993)	\$ 2,075 2,911 -	\$ 4,783 12,028 (13,993)
Amortization of: Prior service cost Actuarial loss (gain)		- 10,677	312 (71)	312 10,606
NET PERIODIC BENEFIT EXPENSE		8,509	5,227	13,736
Prior service cost during period Net actuarial gain during period Amortization of:		- (17,108)	1,624 (5,751)	1,624 (22,859)
Prior service cost Actuarial (loss) gain		- (10,677)	(312) 71	(312) (10,606)
TOTAL AMOUNTS RECOGNIZED IN		(27.705)	(4.200)	(22.152)
NON-OPERATING ACTIVITIES TOTAL AMOUNT RECOGNIZED IN NET PERIODIC BENEFIT EXPENSE AND NON-		(27,785)	(4,368)	(32,153)
OPERATING ACTIVITIES	\$	(19,276)	\$ 859	\$ (18,417)

Cumulative amounts recognized in non-operating activities, but not yet recognized in net periodic benefit expense in the *Statements of Activities*, are presented in the following table for the years ended August 31, 2014 and 2013, in thousands of dollars:

	PEN	STAFF ISION PLAN	POST ETIREMENT MEDICAL NEFIT PLAN (PRMB)	TOTAL
2014				
Prior service cost Net actuarial loss (gain)	\$	- 66,817	\$ 3,401 (5,054)	\$ 3,401 61,763
ACCUMULATED PLAN BENEFIT COSTS NOT YET RECOGNIZED IN NET PERIODIC BENEFIT EXPENSE	\$	66,817	\$ (1,653)	\$ 65,164
2013				
Prior service cost Net actuarial loss (gain)	\$	- 73,317	\$ 4,216 (6,644)	\$ 4,216 66,673
ACCUMULATED PLAN BENEFIT COSTS NOT YET RECOGNIZED IN NET PERIODIC BENEFIT EXPENSE	\$	73,317	\$ (2,428)	\$ 70,889

The prior service cost and net actuarial loss expected to be amortized from non-operating activities to net periodic benefit expense in fiscal year 2015, in thousands of dollars, are as follows:

				POST		
			RET	IREMENT		
	S	STAFF	MEDIC	AL BENEFIT		
	PENS	ION PLAN	PLA	N (PRMB)	Т	OTAL
Prior service cost	\$	-	\$	815	\$	815
Net actuarial loss (gain)	\$	2,631	\$	(338)	\$	2,293

ACTUARIAL ASSUMPTIONS

The weighted average assumptions used to determine the benefit obligations and net periodic benefit cost for the Pension Plan and PRMB are shown below:

			POST RETIRE	MENT MEDICAL	
	STAFF PEN	SION PLAN	BENEFIT PLAN (PRMB)		
	2014	2013	2014	2013	
BENEFIT OBLIGATIONS					
Discount rate	3.66% - 3.84%	4.37% - 4.59%	3.65%	4.37%	
Covered payroll growth rate	3.00%	3.00%	N/A	N/A	
NET PERIODIC BENEFIT COST					
Discount rate	4.37% - 4.59%	3.42% - 3.62%	4.37%	3.43%	
Expected return on plan assets	6.25% - 7.50%	6.25% - 8.00%	N/A	N/A	
Covered payroll growth rate	3.00%	5.50%	N/A	N/A	

To develop the expected long-term rate of return on assets assumptions, the Hospitals considered the historical returns and the future expectations for returns for each asset class, as well as the target asset allocation of the pension portfolio.

To determine the accumulated PRMB obligation at August 31, 2014, a 7.25% annual rate of increase in the per capita cost of covered health care was assumed for calendar year 2014, declining gradually to 4.75% by 2024 and remaining at this rate thereafter.

Assumed health care cost trend rates have a significant effect on the amounts reported for the health care plans. Increasing the health care cost trend rate by 1% in each future year would increase the accumulated PRMB obligation by \$2.4 million and the aggregate annual service and interest cost by \$156 thousand. Decreasing the health care cost trend rate by 1% in each future year would decrease the accumulated PRMB obligation by \$2.3 million and the aggregate annual service and interest cost by \$144 thousand.

EXPECTED CONTRIBUTIONS

The Hospitals expect to contribute \$0 to their Pension Plan and \$4.4 million to their PRMB during the fiscal year ending August 31, 2015.

EXPECTED BENEFIT PAYMENTS

The following benefit payments, which reflect expected future service, are expected to be paid for the fiscal years ending August 31, in thousands of dollars:

			POST RETIREMENT MEDICAL BENEFIT PLAN (PRMB)				
					EX	PECTED	
			EX	CLUDING	ME	DICARE	
	ST	AFF	М	EDICARE	Р	ART D	
YEAR ENDING AUGUST 31	PENSION PLAN		S	SUBSIDY		SUBSIDY	
2015	\$	13,164	\$	5,464	\$	314	
2016		13,741		5,685		310	
2017		14,222		5,918		304	
2018		14,661		6,158		297	
2019		15,046		6,418		287	
2020 - 2024		78,427		34,573		1,249	

INVESTMENT STRATEGY

The Hospitals' investment strategy for the Pension Plan is to maximize the total rate of return (income and appreciation) within the limits of prudent risk taking and Section 404 of the ERISA. The funds are diversified across asset classes to achieve an optimal balance between risk and return and between income and capital appreciation. Many of the pension liabilities are long-term. The investment horizon is also long-term; however, the investment plan also ensures adequate near-term liquidity to meet benefit payments.

CONCENTRATION OF RISK

The Hospitals manage a variety of risks, including market, credit, and liquidity risks, across its plan assets. Concentration of risk is defined as an undiversified exposure to one of the above-mentioned risks that increases the exposure of the loss of plan assets unnecessarily. Risk is minimized by diversifying the Hospitals' exposure to such risks across a variety of instruments, markets, and counterparties. As of August 31, 2014, the Hospitals did not have concentrations of risk in any single entity, counterparty, sector, industry or country.

PLAN ASSETS

The Hospitals' investment policy is to invest in assets that result in a favorable long-term rate of return from a diversified portfolio. Actual allocations and weighted-average target allocations by asset category for the Pension Plan at August 31, 2014 are as follows:

ASSET CATEGORY	ACTUAL	TARGET
2014		
Cash and cash equivalents	<1%	0%
Public equities	49%	50%
Fixed income	51%	50%
TOTAL PORTFOLIO	100%	100%

FAIR VALUE OF PLAN ASSETS

Current U.S. GAAP defines a hierarchy of valuation inputs for the determination of the fair value of plan assets as described in *Note 5*. The Pension Plan assets measured at fair value at August 31, 2014 and 2013, are all categorized as Level 1 investments and are as follows, in thousands of dollars:

	2014	2013		
Cash and cash equivalents	\$ 962	\$ 1,128		
Public equities	107,628	97,661		
Fixed income	111,838	88,738		
TOTAL FAIR VALUE OF				
PENSION PLAN ASSETS	\$ 220,428	\$ 187,527		

18. Operating Leases

The University and the Hospitals lease certain equipment and facilities under operating leases expiring at various dates. Total rental expense under these leases for the years ended August 31, 2014 and 2013 was \$45.3 million and \$37.8 million, respectively, for the University and \$80.5 million and \$76.7 million, respectively, for the Hospitals.

Net minimum future operating lease payments and related present value, assuming a 4.8% discount rate for periods subsequent to August 31, 2014, in thousands of dollars, are as follows:

TOTAL	\$	185,986	\$	418,247	\$	136,020	\$	328,798
Thereafter		80,799		122,808		43,250		69,967
2019		15,622		51,145		12,357		40,457
2018		19,547		55,382		16,205		45,912
2017		19,883		59,866		17,274		52,011
2016		20,703		61,424		18,850		55,926
2015	\$	29,432	\$	67,622	\$	28,084	\$	64,525
YEAR ENDING AUGUST 31	UN	IVERSITY	Н	OSPITALS	UN	IVERSITY	HC	OSPITALS
	M	INIMUM LEAS	SE PA	MENTS	PR	ESENT VALU LEASE PA		

19. Related Party Transactions

Members of the University's Board and senior management may, from time to time, be associated, either directly or indirectly, with companies doing business with the University. For senior management, the University requires annual disclosure of significant financial interests in, or employment or consulting relationships with, entities doing business with the University. These annual disclosures cover both senior management and their immediate family members. When such relationships exist, measures are taken to appropriately manage the actual or perceived conflict in the best interests of the University. The University has a written conflict of interest policy that requires, among other things, that no member of the Board can participate in any decision in which he or she (or an immediate family member) has a material financial interest. Each trustee is required to certify compliance with the conflict of interest policy on an annual basis and indicate whether the University does business with an entity in which a trustee has a material financial interest. When such relationships exist, measures are taken to mitigate any actual or perceived conflict, including requiring that such transactions be conducted at arm's length, for good and sufficient consideration, based on terms that are fair and reasonable to and for the benefit of the University, and in accordance with applicable conflict of interest laws. No such associations are considered to be significant.

20. Commitments and Contingencies

Management is of the opinion that none of the following commitments and contingencies will have a material adverse effect on the University's consolidated financial position.

SPONSORED RESEARCH

The University conducts substantial research for the federal government pursuant to contracts and grants from federal agencies and departments. The University records reimbursements of direct and indirect costs (facilities and administrative costs) from grants and contracts as operating revenues. The Office of Naval Research is the University's cognizant federal agency for determining indirect cost rates charged to federally sponsored agreements. It is supported by the Defense Contract Audit Agency, which has the responsibility for auditing direct and indirect charges under those agreements. Costs recovered by the University in support of sponsored research are subject to audit and adjustment. Fringe benefit costs for the fiscal years ended August 31, 2007 to 2014 are still subject to audit. The University does not anticipate that any adjustments will be material to the consolidated financial statements.

HEALTH CARE

Cost reports filed under the Medicare program for services based upon cost reimbursement are subject to audit. The estimated amounts due to or from the program are reviewed and adjusted annually based upon the status of such audits and subsequent appeals. Differences between final settlements and amounts accrued in previous years are reported as adjustments to "patient care, net" revenue in the year the examination is substantially completed. Medicare cost reports have been audited by the Medicare fiscal intermediary through August 31, 2005 for SHC and August 31, 2012 for LPCH.

The health care industry is subject to numerous laws and regulations of federal, state and local governments. Compliance with these laws and regulations can be subject to future government review and interpretation, as well as to regulatory actions unknown or unasserted at this time. Government activity with respect to investigations and allegations concerning possible violations by health care providers of regulations could result in the imposition of significant fines and penalties, as well as significant repayments for patient services previously billed. The Hospitals are subject to similar regulatory reviews, and while such reviews may result in repayments and/or civil remedies that could have a material effect on the Hospitals' financial results of operations in a given period, each Hospital's management believes that such repayments and/or civil remedies would not have a material effect on its financial position.

INFORMATION SECURITY AND PRIVACY

As with many medical centers and universities across the country, information security and privacy is a growing risk area based on developments in the law and expanding mobile technology practices. The University and the Hospitals have policies, procedures, and training in place to safeguard protected information, but select incidents have occurred in the past and may occur in the future involving potential or actual disclosure of such information (including, for example, certain identifiable information relating to patients or research participants). In most cases, there has been no evidence of unauthorized access to, or use/disclosure of, such information, yet laws may require reporting to potentially affected individuals and federal and state governmental agencies. Governmental agencies have the authority to investigate and request further information about an incident or safeguards, to cite the University or Hospitals for a deficiency or regulatory violation, and/or require payment of fines, corrective action, or both. California law also allows a private right to sue for a breach of medical information. The cost of such possible consequences has not been material to date to the University or the Hospitals, and management does not believe that any future consequences of these incidents will be material to the consolidated financial statements.

LABOR AGREEMENTS

Approximately 10% of the University's, 34% of SHC's and 42% of LPCH's employees are covered under union contract arrangements and are, therefore, subject to labor stoppages when contracts expire. There are currently no expired contracts under these union contract arrangements. The University's agreements with the Stanford Deputy Sheriffs' Association and the Service Employees International Union (SEIU) will expire in 2015 and 2019, respectively. The Hospitals' agreements with SEIU and the Committee for Recognition of Nursing Achievement (CRONA) will expire in 2017 and 2016, respectively.

GUARANTEES AND INDEMNIFICATIONS

The University and the Hospitals enter into indemnification agreements with third parties in the normal course of business. The impact of these agreements, individually or in the aggregate, is not expected to be material to the consolidated financial statements. As a result, no liabilities related to guarantees and indemnifications have been recorded at August 31, 2014.

LITIGATION

The University and the Hospitals are defendants in a number of legal actions. While the final outcome cannot be determined at this time, management is of the opinion that the liability, if any, resulting from these legal actions will not have a material adverse effect on the consolidated financial position.

MEDICAL CENTER RENEWAL PROJECT

In July 2011, the University and Hospitals obtained local approval for a Renewal Project to rebuild SHC and expand LPCH to assure adequate capacity and provide modern, technologically-advanced hospital facilities. The Renewal Project also includes replacement of outdated laboratory facilities at the Stanford SoM and remodeling of Hoover Pavilion.

California's Hospital Seismic Safety Act requires licensed acute care functions to be conducted only in facilities that meet specified seismic safety standards which have varying deadlines. The Renewal Project as approved is also designed to meet these standards and deadlines.

SHC's and LPCH's share of the estimated total cost of the Renewal Project is \$2 billion and \$1.2 billion, respectively. The source of funding for the Renewal Project includes operating surpluses, gifts, government grants, and bond proceeds. Through August 2014, the Hospitals have recorded \$913.8 million in construction in progress related to this project. Based on current estimated schedules, management currently projects that the Renewal Project construction will be complete in 2017.

CONTRACTUAL COMMITMENTS

At August 31, 2014, the University had contractual obligations of approximately \$278.5 million in connection with major construction projects. Remaining expenditures on construction in progress are estimated to be \$631.3 million, which will be financed with certain unexpended plant funds, gifts and debt. Commitments on contracts for the construction and remodeling of Hospital facilities were approximately \$1.3 billion at August 31, 2014. As described in *Note 5*, the University is obligated under certain alternative investment agreements to advance additional funding up to specified levels over a period of years.

21. Subsequent Events

The University and the Hospitals have evaluated subsequent events for the period from August 31, 2014 through December 10, 2014, the date the consolidated financial statements were available to be issued.

In September 2014, ValleyCare Health System (VCHS) and SHC entered into an affiliation agreement under which SHC will become the sole corporate member of VCHS. VCHS operates inpatient and other health care facilities at three Bay Area locations in Alameda County, California. The closing of the affiliation is subject to various approvals including regulatory approvals.

Agency	CFDA Number	Expenditures (Detail)	Expenditures (Subtotal)
RESEARCH AND DEVELOPMENT CLUSTER			
Department of Agriculture	10		\$ 218,058
Department of Defense	10		φ 210,050
Air Force	12	18,329,045	
Army	12	22,414,759	
Navy	12	21,988,957	
DARPA and Other	12	23,473,061	
Total Department of Defense			86,205,822
Department of Education	84		5,718,267
Department of Commerce	11		1,444,884
Department of Energy			
ARRA-Office of Science Financial Assistance Program	81.049	334,353	
ARRA-Energy Financial Assistance Program	81.135	(173,318)	
Non-ARRA	81	26,912,961	
Total Department of Energy			27,073,996
Environmental Protection Agency	66		251,670
Department of Interior	15		522,986
National Aeronautics and Space Administration			
ARRA-NASA_Lockheed Martin	43	(552)	
Non-ARRA	43	17,667,530	
Total National Aeronautics and Space Administration			17,666,978
Department of Health and Human Services			
ARRA-National Institutes of Health	93.701	2,479,343	
ARRA-Comparative Effectiveness Research - AHRQ	93.715	899,032	
ARRA-Office of Secretary	93.728	118,501	
ARRA-Contract	93	3,686	
Non-ARRA	93	404,801,495	
Total Department of Health and Human Services			408,302,057
National Science Foundation			
ARRA-Trans-NSF Recovery Act Reasearch Support	47.082	487,771	
Non-ARRA Total National Science Foundation	47	86,159,887	86,647,658
Total National Science Foundation			80,047,058
Department of Transportation	20		2,616,450
Other Federal Agencies			
Central Intelligence Agency	99	7	
National Endowment for the Arts	45	179,809	
National Endowment for Humanities	45	97,125	
National Historical Publications And Records Commission	89	153,252	
Office of the Director of National Intelligence	99	(3,296)	
Department of Homeland Security	97	2,917,725	
Department of Justice	16.560	143,952	
U.S. Agency for International Development Total Other Federal Agencies	98	1,158,646	4,647,220
TOTAL RESEARCH AND DEVELOPMENT CLUSTER			641.316.046
I UI AL RESEARUN AND DEVELUPMENT ULUSTEK			041.310.040

TOTAL RESEARCH AND DEVELOPMENT CLUSTER

641,316,046

Agency	CFDA Number	Expenditures (Detail)	Expenditures (Subtotal)
ST UDENT FINANCIAL AID CLUST ER			
Department of Education			
Federal Supplemental Educational Opportunity Grant	84.007	754,124	
Federal Work-Study Program	84.033	1,456,864	
Federal Pell Grant Program	84.063	4,661,886	
Teacher Education Assistance for College and Higher Education Grant	84.379	123,416	
Total Department of Education			6,996,290
TOTAL STUDENT FINANCIAL AID CLUSTER			6,996,290
OT HER FEDERAL AWARDS			
Department of Defense			
Ārmy	12	316,041	
Navy	12	7,792	
DARPA and Other	12	342,036	
Total Department of Defense			665,869
Department of Education	84		1,350,339
Department of Energy	81		331,151
Department of Interior	15		6,604
National Aeronautics and Space Administration	43		91,807
Department of Health and Human Services	93		426,501
Other Federal Agencies			
Corp for National & Community Service	94	(2,563)	
Department of State	19	1,174,033	
Department of Veterans Affairs	64	1,667,787	
National Endowment for the Arts	45.024	32,500	
National Endowment for Humanities	45.149	4	
The Library of Congress	42.002	114,005	
Total Other Federal Agencies			2,985,766
TOTAL OTHER FEDERAL AWARDS			5,858,037
TOTAL FEDERAL EXPENDITURES			\$ 654,170,373

ency, CFDA Number, and Contract/Pass rough Award	Federal Agency / Pass Through Entity	Amount Expended
SEARCH AND DEVELOPMENT CLUSTER	rederaringency / rass rin ough Energy	Expended
Department of Agriculture		
Direct Programs		
10.001-393-6631-030	United States Department of Agriculture	10,0
10.001-59-5302-4-003	United States Department of Agriculture	84,3
1011-JV-11261937-083	United States Department of Agriculture	7,0
10.250-58-4000-1-0064	United States Department of Agriculture	5,4
10.310-2012-67011-19669	United States Department of Agriculture	35,6
10.310-2013-67 011-21096 Direct Programs Total	United States Department of Agriculture	
Direct i rogi anis rotar		101,2
Pass-Through Programs From		
10.253-2-312-0214050-51637L	USDA_Research Triangle Institute International	5,7
10.255-317 K774	USDA_University of Wisconsin	
10.255-471K531	USDA_University of Wisconsin-Madison	31,1
Pass-Through Programs From Total Department of Agriculture Total		<u>36,8</u> 218,0
Separation of Agriculture Total		210,0
Department of Defense (DOD)		
Air Force Direct Programs		
12.630-FA9550-14-1-0074	Department of the Air Force	113,1
12.800-1058117-1-EALSG	Department of the Air Force	30,6
12.800-FA9550-08-1-0352	Department of the Air Force	470,9
12.800-FA9550-09-1-0233	Department of the Air Force	(11,9
12.800-FA9550-09-1-0531	Department of the Air Force	86,6
12.800-FA9550-09-1-0583	Department of the Air Force	1,289,0
12.800-FA9550-09-1-0677	Department of the Air Force	1,502,0
12.800-FA9550-09-1-07 04	Department of the Air Force	1,051,3
12.800-FA9550-10-1-0055	Department of the Air Force	(25,0
12.800-FA9550-10-1-0124	Department of the Air Force	2,7
12.800-FA9550-10-1-0193	Department of the Air Force	612,5
12.800-FA9550-10-1-0194	Department of the Air Force	252,2
12.800-FA9550-10-1-0264	Department of the Air Force	(1,4
12.800-FA9550-10-1-0418	Department of the Air Force	39,9
12.800-FA9550-10-1-0503	Department of the Air Force	287,3
12.800-FA9550-10-1-0560 ACRN: AE	Department of the Air Force	684,7
12.800-FA9550-11-1-0024	Department of the Air Force	24,5
12.800-FA9550-11-1-0111	Department of the Air Force	283,0
12.800-FA9550-11-1-0238	Department of the Air Force	78,9
12.800-FA9550-11-1-0266	Department of the Air Force	(2,1
12.800-FA9550-11-1-0293	Department of the Air Force	12,1 1,247,4
12.800-FA9550-12-1-0024	Department of the Air Force Department of the Air Force	1,24/,4 1,070,3
12.800-FA9550-12-1-0040 12.800-FA9550-12-1-0050	Department of the Air Force	1,0/0,3
12.800-FA9550-12-1-0056	Department of the Air Force	184,6
12.800-FA9550-12-1-0110	Department of the Air Force	370,8
12.800-FA9550-12-1-0120	Department of the Air Force	173,7
12.800-FA9550-12-1-0190	Department of the Air Force	199,7
12.800-FA9550-12-1-0195	Department of the Air Force	167,1
12.800-FA9550-12-1-0215	Department of the Air Force	446,0
12.800-FA9550-12-1-0252	Department of the Air Force	112,0
12.800-FA9550-12-1-0269	Department of the Air Force	135,9
12.800-FA9550-12-1-0372	Department of the Air Force	182,4
12.800-FA9550-12-1-0396	Department of the Air Force	43,7
12.800-FA9550-13-1-0036	Department of the Air Force	114,1
12.800-FA9550-13-1-0139	Department of the Air Force	105,8
12.800-FA9550-13-1-0230	Department of the Air Force	118,5
12.800-FA9550-14-1-0017	Department of the Air Force	115,1
12.800-FA9550-14-1-0129	Department of the Air Force	108,0
12.800-FA9550-14-1-0132	Department of the Air Force	77,1
12.800-FA9550-14-1-0190	Department of the Air Force	60,6
12.800-FA9550-14-1-0235	Department of the Air Force	47,1
12.910-FA8650-13-1-7301	Department of the Air Force	31,
12FA8650-10-C-7020	Department of the Air Force	471,7
12FA9453-10-C-0220	Department of the Air Force	238,2
12FA9453-11-C-0011	Department of the Air Force	483,5
12FA9453-12-C-0217	Department of the Air Force	955,8

CFDA Number, and Contract/Pass n Award	Federal Agency / Pass Through Entity	Amount Expende
ass-Through Programs From		
1210029173-S2	DOD_Air_Force_University of Utah	120,3
12111509	DOD_Air_Force_Cascade Technologies Inc.	188,0
1250026	DOD_Air_Force_Cascade Technologies Inc.	
1269-000533, Release 1	DOD_Air_Force_SRI International	(5
1269-000533, Release 2	DOD_Air_Force_SRI International	78,7
1269-000533, Release 3 (Phase 4)	DOD_Air_Force_SRI International	39,0
12.800-00001670 PrimeFA9550-09-1-0314	DOD_Air_Force_Princeton University	579,1
12.800-0019713 (406200-4)	DOD_Air_Force_University of Pittsburgh	82,8
12.800-2010-04904-01/ A1934	DOD_Air_Force_University of Illinois at Urbana Champaign	195,2
12.800-2012-02298-01 (A0080)	DOD_Air_Force_University of Illinois at Urbana Champaign	220,3
12.800-3002436999	DOD_Air_Force_University of Michigan	188,4
12.800-3002539685; FA9550-13-1-0043	DOD_Air_Force_University of Michigan	73,2
12.800-3002842516	DOD Air Force University of Michigan	249,6
12.800-44732836 / PO# 10128002	DOD_Air_Force_University of Southern California	86,7
12.800-51815822/PO# 10209276	DOD_Air_Force_University of Southern California	2,2
	-	
12.800-5710003105	DOD_Air_Force_Massachusetts Institute of Technology	149,7
12.800-A7751/FA9550-09-1-0686	DOD_Air_Force_Texas A & M University	133,5
12.800-FA-99550-12-1-0488 00000556	DOD_Air_Force_Brown University	496,9
12.800-FP047 558-A	DOD_Air_Force_University of Chicago	58,9
12.800-P.O. 10033193/FA9550-11-1-0217	DOD_Air_Force_University of Southern California	72,2
12.800-PO# 10012795/34276449	DOD_Air_Force_University of Southern California	250,8
12.800-PO# 10157374/ 47494630	DOD_Air_Force_University of Southern California	28,8
12.800-PO#1015/3/4/4/494030 12.800-PO#10312816 FA9550-10-1-0572	DOD_Air_Force_University of California, San Diego	69,8
12.800-RC413-G2	DOD_Air_Force_Georgia Institute of Technology	238,5
12.800-Sub 1716 PrimeFA9550-09-1-0643	DOD_Air_Force_Princeton University	82,9
12.800-Sub 1767 PrimeFA9550-09-1-0643	DOD_Air_Force_Princeton University	201,1
12AFS13-1734	DOD_Air_Force_Aurora Flight Sciences	59,9
12FA865008D28:13-S590-0020-51-C3	DOD_Air_Force_Universal Technology Corporation	21,6
12FA8650-09-C-2009 Mod P00002	DOD_Air_Force_Combustion Science & Engineering Inc	
12FA8650-13-M-2402	DOD Air Force Combustion Science & Engineering Inc	24,9
	DOD_Air_Force_Combustion Science & Engineering Inc	
12K000886-00-S04		8
12SPO # 108374	DOD_Air_Force_Holochip Corporation	119,4
ass-Through Programs From Total Force Total ny		
Force Total ny irect Programs	Department of the Army	18,329,0
Force Total ny irect Programs 12.420-W81XWH-09-1-0068	Department of the Army	18,329,0
Force Total ny irrect Programs 12.420-W81XWH-09-1-0068 12.420-W81XWH-10-1-0240	Department of the Army	<u>4,114,6</u> 18,329,0 118,0
Force Total ny birect Programs 12.420-W81XWH-09-1-0068 12.420-W81XWH-10-1-0240 12.420-W81XWH-10-1-0393	Department of the Army Department of the Army	18,329,0 118,0 10,5
Force Total ny irect Programs 12.420-W81XWH-09-1-0068 12.420-W81XWH-10-1-0240 12.420-W81XWH-10-1-0393 12.420-W81XWH-10-1-0506	Department of the Army Department of the Army Department of the Army	18,329,0 118,0 10,5 26,3
Force Total ny birect Programs 12.420-W81XWH-09-1-0068 12.420-W81XWH-10-1-0240 12.420-W81XWH-10-1-0393	Department of the Army Department of the Army	18,329,0 118,0 10,5 26,3
Force Total ny irect Programs 12.420-W81XWH-09-1-0068 12.420-W81XWH-10-1-0240 12.420-W81XWH-10-1-0393 12.420-W81XWH-10-1-0506	Department of the Army Department of the Army Department of the Army	1 8,329,0 118,6, 10,5 26,5 (5
Force Total ny irect Programs 12.420-W81XWH-09-1-0068 12.420-W81XWH-10-1-0240 12.420-W81XWH-10-1-0393 12.420-W81XWH-10-1-0506 12.420-W81XWH-10-1-0510	Department of the Army Department of the Army Department of the Army Department of the Army	18,329,0 118,6 10,6 (5 2,5
Force Total ny birect Programs 12.420-W81XWH-09-1-0068 12.420-W81XWH-10-1-0240 12.420-W81XWH-10-1-0393 12.420-W81XWH-10-1-0510 12.420-W81XWH-10-1-0731 12.420-W81XWH-10-1-0766	Department of the Army Department of the Army	18,329,0 118,6 10,5 26,3 (5 2,5 184,4
Force Total ny irect Programs 12.420-W81XWH-09-1-0068 12.420-W81XWH-10-1-0240 12.420-W81XWH-10-1-0393 12.420-W81XWH-10-1-0506 12.420-W81XWH-10-1-0510 12.420-W81XWH-10-1-0731 12.420-W81XWH-10-1-0966 12.420-W81XWH-11-1-0070	Department of the Army Department of the Army	18,329,0 118,0 10,5 26,3 (f) 2,5 184,4 27,9
Force Total ny irect Programs 12.420-W81XWH-09-1-0068 12.420-W81XWH-10-1-0240 12.420-W81XWH-10-1-0393 12.420-W81XWH-10-1-0506 12.420-W81XWH-10-1-0510 12.420-W81XWH-10-1-0731 12.420-W81XWH-10-1-0966 12.420-W81XWH-10-1-0970 12.420-W81XWH-11-1-0070	Department of the Army Department of the Army	18,329,0 118,0 10,5 26,3 (£ 2,5; 184,4 27,9 71,9 71,9
Force Total ny birect Programs 12.420-W81XWH-09-1-0068 12.420-W81XWH-10-1-0240 12.420-W81XWH-10-1-0393 12.420-W81XWH-10-1-0506 12.420-W81XWH-10-1-0510 12.420-W81XWH-10-1-0966 12.420-W81XWH-10-1-0966 12.420-W81XWH-11-1-0067 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0287	Department of the Army Department of the Army	18,329,0 118,0 10,0 26,5 (5 2,5 184,4 27,9 71,5 1,390,5
Force Total ny birect Programs 12.420-W81XWH-09-1-0068 12.420-W81XWH-10-1-0240 12.420-W81XWH-10-1-0393 12.420-W81XWH-10-1-0510 12.420-W81XWH-10-1-0510 12.420-W81XWH-10-1-0966 12.420-W81XWH-10-1-0966 12.420-W81XWH-11-1-0070 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0087	Department of the Army Department of the Army	18,329,0 118, 118, 10,5 26,5 (i) 2,5 184,4 27,5 1184,4 27,5 11,390,5 264,2 264,2
Force Total hy irect Programs 12.420-W81XWH-09-1-0068 12.420-W81XWH-10-1-0240 12.420-W81XWH-10-1-0393 12.420-W81XWH-10-1-0506 12.420-W81XWH-10-1-0510 12.420-W81XWH-10-1-0966 12.420-W81XWH-10-1-0966 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0287 12.420-W81XWH-11-1-0287 12.420-W81XWH-11-1-0364 12.420-W81XWH-11-1-0380	Department of the Army Department of the Army	118,329,0 118,329,0 118,4 26,5 (4 25,5 184,4 27,5 71,5 1,3903, 264,2 248,5
Force Total ny irect Programs 12.420-W81XWH-09-1-0068 12.420-W81XWH-10-1-0240 12.420-W81XWH-10-1-0240 12.420-W81XWH-10-1-0506 12.420-W81XWH-10-1-0506 12.420-W81XWH-10-1-0731 12.420-W81XWH-10-1-0966 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0287 12.420-W81XWH-11-1-0287 12.420-W81XWH-11-1-0364 12.420-W81XWH-11-1-0364 12.420-W81XWH-11-1-0447	Department of the Army Department of the Army	118,329,0 118,329,0 118,0 10,5 26,5 (5 184,4 27,9 71,9 1,390,5 264,2 248,5 222,0
Force Total ny birect Programs 12.420-W81XWH-09-1-0068 12.420-W81XWH-10-1-0240 12.420-W81XWH-10-1-0393 12.420-W81XWH-10-1-0506 12.420-W81XWH-10-1-0510 12.420-W81XWH-10-1-0966 12.420-W81XWH-10-1-0966 12.420-W81XWH-10-1-0966 12.420-W81XWH-11-1-0967 12.420-W81XWH-11-1-0987 12.420-W81XWH-11-1-0364 12.420-W81XWH-11-1-0364 12.420-W81XWH-11-1-0380 12.420-W81XWH-11-1-0380 12.420-W81XWH-11-1-0447 12.420-W81XWH-11-1-0602	Department of the Army Department of the Army	118,329,0 118,3 10,4 26,5 (! 2,5 1184,4 27,9 71,9 (1,390,4 264,5 248,5 222,6 284,5 222,6 284,5
Force Total ny irect Programs 12.420-W81XWH-09-1-0068 12.420-W81XWH-10-1-0240 12.420-W81XWH-10-1-0240 12.420-W81XWH-10-1-0506 12.420-W81XWH-10-1-0506 12.420-W81XWH-10-1-0731 12.420-W81XWH-10-1-0966 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0287 12.420-W81XWH-11-1-0287 12.420-W81XWH-11-1-0364 12.420-W81XWH-11-1-0364 12.420-W81XWH-11-1-0447	Department of the Army Department of the Army	118,329,0 118,3 10,4 26,5 (! 2,5 1184,4 27,9 71,9 (1,390,4 264,5 248,5 222,6 284,5 222,6 284,5
Force Total ny birect Programs 12.420-W81XWH-09-1-0068 12.420-W81XWH-10-1-0240 12.420-W81XWH-10-1-0393 12.420-W81XWH-10-1-0506 12.420-W81XWH-10-1-0510 12.420-W81XWH-10-1-0966 12.420-W81XWH-10-1-0966 12.420-W81XWH-10-1-0966 12.420-W81XWH-11-1-0967 12.420-W81XWH-11-1-0987 12.420-W81XWH-11-1-0364 12.420-W81XWH-11-1-0364 12.420-W81XWH-11-1-0380 12.420-W81XWH-11-1-0380 12.420-W81XWH-11-1-0447 12.420-W81XWH-11-1-0602	Department of the Army Department of the Army	18,329,0 18,329,0 118, 10,5 26,5 (i 2,5 184,4 27,9 71,5 (1,390,5 264,2 248,5 222,4 225,4 225,4
Force Total hy irect Programs 12.420-W81XWH-09-1-0068 12.420-W81XWH-10-1-0240 12.420-W81XWH-10-1-0393 12.420-W81XWH-10-1-0506 12.420-W81XWH-10-1-0510 12.420-W81XWH-10-1-0966 12.420-W81XWH-10-1-0966 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0364 12.420-W81XWH-11-1-0364 12.420-W81XWH-11-1-0612 12.420-W81XWH-11-1-0612	Department of the Army Department of the Army	118,329,0 118,329,0 118,0 10,4 26,5 (4 2,5 184,4 27,5 77,5 1,300,3 264,2 248,5 222,0 284,5 225,4 225,4 219,6
Force Total ny irect Programs 12.420-W81XWH-09-1-0068 12.420-W81XWH-10-1-0240 12.420-W81XWH-10-1-0240 12.420-W81XWH-10-1-0506 12.420-W81XWH-10-1-0506 12.420-W81XWH-10-1-0731 12.420-W81XWH-10-1-0768 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0287 12.420-W81XWH-11-1-0364 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0788	Department of the Army Department of the Army	118,329,0 118,329,0 118,4 10,4 26,5 (5 184,4 27,5 71,5 1,390,3 264,2 248,5 222,0 284,5 222,0 284,5 225,4 219,6 8 8 118,7 11,390,3 126,5 128,7 139,7 139,9 139,7 149,7 149,
Force Total ny birect Programs 12.420-W81XWH-09-1-0068 12.420-W81XWH-10-1-0240 12.420-W81XWH-10-1-0393 12.420-W81XWH-10-1-0506 12.420-W81XWH-10-1-0510 12.420-W81XWH-10-1-0966 12.420-W81XWH-10-1-0966 12.420-W81XWH-11-1-0967 12.420-W81XWH-11-1-0987 12.420-W81XWH-11-1-0364 12.420-W81XWH-11-1-0364 12.420-W81XWH-11-1-0627 12.420-W81XWH-11-1-0620 12.420-W81XWH-10-1-0620 12.420-W81XW	Department of the Army Department of the Army	$\begin{array}{c} 118,329,0\\ 118,329,0\\ 118,0\\ 10,0\\ 26,0\\ (9,0)\\ 184,0\\ 27,0\\ 1,390,0\\ 264,2\\ 248,0\\ 222,0\\ 248,0\\ 222,0\\ 284,0\\ 225,0\\ 219,0\\ 0\\ 153,0\\ 0\\ 153,0\\ 0\\ 153,0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0$
Force Total hy irect Programs 12.420-W81XWH-09-1-0068 12.420-W81XWH-10-1-0240 12.420-W81XWH-10-1-0393 12.420-W81XWH-10-1-0506 12.420-W81XWH-10-1-0506 12.420-W81XWH-10-1-0566 12.420-W81XWH-11-1-0070 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0364 12.420-W81XWH-11-1-0364 12.420-W81XWH-11-1-0364 12.420-W81XWH-11-1-0364 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0688 12.420-W81XWH-11-1-0808 12.420-W81XWH-11-1-0810	Department of the Army Department of the Army	118,329,0 118,329,0 118, 10,5 26,5 (i 2,5 184,4 27,9 71,6 264,2 248,5 222,4 228,4 222,4 219,6 153,5 130,5 100,
Force Total ny irect Programs 12.420-W81XWH-09-1-0068 12.420-W81XWH-10-1-0240 12.420-W81XWH-10-1-0293 12.420-W81XWH-10-1-0506 12.420-W81XWH-10-1-0510 12.420-W81XWH-10-1-0731 12.420-W81XWH-10-1-0966 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0364 12.420-W81XWH-11-1-0364 12.420-W81XWH-11-1-0612 12.420-W81XWH-11-1-0612 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0788 12.420-W81XWH-11-1-0788 12.420-W81XWH-11-1-0788 12.420-W81XWH-11-1-0788 12.420-W81XWH-11-1-0810 12.420-W81XWH-11-1-0810 12.420-W81XWH-11-1-0810 12.420-W81XWH-11-2-0004	Department of the Army Department of the Army	$\begin{array}{c c} 118,329,0\\ 118,329,0\\ 118,0\\ 10,0\\ 26,2\\ (4)\\ 2,5\\ 1184,4\\ 27,5\\ 71,9\\ 1,390,3\\ 264,2\\ 248,0\\ 222,0\\ 284,1\\ 225,4\\ 228,4\\ 222,0\\ 284,2\\ 123,1\\ 30,2\\ 48,6\\ 0\\ 153,3\\ 130,2\\ 486,6\\ 0\\ 184,6\\ 0\\ 184,0\\ 0\\ 184,0\\ 0\\ 184,0\\ 0\\ 184,0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0$
Force Total ny irect Programs 12.420-W81XWH-09-1-0068 12.420-W81XWH-10-1-0240 12.420-W81XWH-10-1-0240 12.420-W81XWH-10-1-0506 12.420-W81XWH-10-1-0506 12.420-W81XWH-10-1-0510 12.420-W81XWH-10-1-0731 12.420-W81XWH-11-1-00661 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0620 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0681 12.420-W81XWH-11-1-0788 12.420-W81XWH-11-1-0788 12.420-W81XWH-11-1-0810 12.420-W81XWH-11-1-0810 12.420-W81XWH-11-1-0810 12.420-W81XWH-11-1-0810 12.420-W81XWH-11-2-0004 12.420-W81XWH-11-2-0004 12.420-W81XWH-11-2-0004	Department of the Army Department of the Army	$\begin{array}{c} 118,329,0\\ 118,329,0\\ 118,0\\ 10,1\\ 26,2\\ (5,1)\\ 18,4\\ 27,5\\ 71,9\\ 1,390,1\\ 264,2\\ 248,5\\ 222,0\\ 248,5\\ 222,0\\ 248,5\\ 222,0\\ 248,5\\ 225,4\\ 219,0\\ 8\\ 153,3\\ 130,5\\ 486,6\\ 163,5\\ 163,5\\ 163,5\\ 163,5\\ 163,5\\ 163,5\\ 163,5\\ 163,5\\ 188,5\\ 1$
Force Total hy irect Programs 12.420-W81XWH-09-1-0068 12.420-W81XWH-10-1-0240 12.420-W81XWH-10-1-0393 12.420-W81XWH-10-1-0510 12.420-W81XWH-10-1-0510 12.420-W81XWH-10-1-0510 12.420-W81XWH-11-1-0666 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-087 12.420-W81XWH-11-1-0364 12.420-W81XWH-11-1-0364 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0620 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0810 12.420-W81XWH-11-1-0810 12.420-W81XWH-11-2-0004 12.420-W81XWH-11-2-0020 12.420-W81XWH-11-2-0020 12.420-W81XWH-12-1-0122	Department of the Army Department of the Army	$\begin{array}{c} 118,329,0\\ 118,329,0\\ 118,0\\ 10,1\\ 26,2\\ (5,1)\\ 18,4\\ 27,5\\ 71,9\\ 1,390,1\\ 264,2\\ 248,5\\ 222,0\\ 248,5\\ 222,0\\ 248,5\\ 222,0\\ 248,5\\ 225,4\\ 219,0\\ 8\\ 153,3\\ 130,5\\ 486,6\\ 163,5\\ 163,5\\ 163,5\\ 163,5\\ 163,5\\ 163,5\\ 163,5\\ 163,5\\ 188,5\\ 1$
Force Total ny irect Programs 12.420-W81XWH-09-1-0068 12.420-W81XWH-10-1-0240 12.420-W81XWH-10-1-0240 12.420-W81XWH-10-1-0506 12.420-W81XWH-10-1-0506 12.420-W81XWH-10-1-0510 12.420-W81XWH-10-1-0731 12.420-W81XWH-11-1-00661 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0620 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0681 12.420-W81XWH-11-1-0788 12.420-W81XWH-11-1-0788 12.420-W81XWH-11-1-0810 12.420-W81XWH-11-1-0810 12.420-W81XWH-11-1-0810 12.420-W81XWH-11-1-0810 12.420-W81XWH-11-2-0004 12.420-W81XWH-11-2-0004 12.420-W81XWH-11-2-0004	Department of the Army Department of the Army	$\begin{array}{c c} 18,329,0 \\ 18,329,0 \\ 118,0 \\ 10,5 \\ 26,5 \\ 26,5 \\ 25,5 \\ 184,4 \\ 27,9 \\ 71,5 \\ 264,2 \\ 248,5 \\ 222,0 \\ 248,5 \\ 222,0 \\ 225,4 \\ 219,4 \\ 5153,5 \\ 130,5 \\ 486,6 \\ 163,5 \\ 32,7 \end{array}$
Force Total hy irect Programs 12.420-W81XWH-09-1-0068 12.420-W81XWH-10-1-0240 12.420-W81XWH-10-1-0393 12.420-W81XWH-10-1-0510 12.420-W81XWH-10-1-0510 12.420-W81XWH-10-1-0510 12.420-W81XWH-11-1-0666 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-087 12.420-W81XWH-11-1-0364 12.420-W81XWH-11-1-0364 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0620 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0810 12.420-W81XWH-11-1-0810 12.420-W81XWH-11-2-0004 12.420-W81XWH-11-2-0020 12.420-W81XWH-11-2-0020 12.420-W81XWH-12-1-0122	Department of the Army Department of the Army	$\begin{array}{c c} 18,329,0 \\ 118,0 \\ 105,1 \\ 26,3 \\ 26,3 \\ 26,3 \\ 26,3 \\ 26,3 \\ 26,3 \\ 26,3 \\ 26,3 \\ 27,9 \\ 71,5 \\ 27,9 \\ 71,5 \\ 27,9 \\ 71,5 \\ 27,9 \\ 71,5 \\ 27,9 \\ 71,5 \\ 27,9 \\ 71,5 \\ 248,5 \\ 222,6,4 \\ 222,6,4 \\ 222,5,4$
Force Total ny irect Programs 12.420-W81XWH-09-1-0068 12.420-W81XWH-10-1-0240 12.420-W81XWH-10-1-0293 12.420-W81XWH-10-1-0506 12.420-W81XWH-10-1-0510 12.420-W81XWH-10-1-0731 12.420-W81XWH-10-1-0966 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0287 12.420-W81XWH-11-1-087 12.420-W81XWH-11-1-0810 12.420-W81XWH-11-1-0612 12.420-W81XWH-11-1-0788 12.420-W81XWH-11-1-0788 12.420-W81XWH-11-1-0788 12.420-W81XWH-11-1-0788 12.420-W81XWH-11-1-0788 12.420-W81XWH-11-1-0810 12.420-W81XWH-11-1-00810 12.420-W81XWH-11-2-0014 12.420-W81XWH-12-1-0012 12.420-W81XWH	Department of the Army Department of the Army	$\begin{array}{c c} 18,329,0 \\ 118,0 \\ 118,0 \\ 10,5 \\ 26,3 \\ 26,3 \\ \mathbf{(5)} \\ 2,55 \\ 184,4 \\ 27,9 \\ 71,9 \\ 1,390,5 \\ 264,2 \\ 248,5 \\ 222,0 \\ 248,5 \\ 222,5,4 \\ 223,4 \\ 219,4 \\ 85 \\ 315,33 \\ 130,2 \\ 32,37 \\ 32,37 \\ 32,37 \\ 141,7 \\ 211,2 \\ 211,2 \\ 211,21 \\ 21$
Force Total ny inect Programs 12.420-W81XWH-09-1-0068 12.420-W81XWH-10-1-0240 12.420-W81XWH-10-1-0240 12.420-W81XWH-10-1-0506 12.420-W81XWH-10-1-0506 12.420-W81XWH-10-1-0510 12.420-W81XWH-10-1-0731 12.420-W81XWH-10-1-0761 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0287 12.420-W81XWH-11-1-0287 12.420-W81XWH-11-1-0364 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0788 12.420-W81XWH-11-1-0788 12.420-W81XWH-11-1-0810 12.420-W81XWH-11-2-0004 12.420-W81XWH-11-2-0004 12.420-W81XWH-12-1-0122 12.420-W81XWH-12-1-0135 12.420-W81XWH-12-1-0155 12.420-W81XWH	Department of the Army Department of the Army	$\begin{array}{c c} 18,329,0 \\ 118,0 \\ 118,0 \\ 10,0 \\ 26,2 \\ 25,1 \\ 184,4 \\ 27,9 \\ 71,9 \\ 248,5 \\ 264,2 \\ 248,5 \\ 222,0 \\ 248,5 \\ 24$
Force Total ny irect Programs 12.420-W81XWH-09-1-0068 12.420-W81XWH-10-1-0240 12.420-W81XWH-10-1-0393 12.420-W81XWH-10-1-0506 12.420-W81XWH-10-1-0510 12.420-W81XWH-10-1-0566 12.420-W81XWH-10-1-0966 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0364 12.420-W81XWH-11-1-0364 12.420-W81XWH-11-1-0620 12.420-W81XWH-11-1-0620 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0788 12.420-W81XWH-11-1-0781 12.420-W81XWH-12-1-0122 12.420-W81XWH-12-1-0122 12.420-W81XWH-12-1-0135 12.420-W81XWH-12-1-0135 12.420-W81XWH-12-1-0135 12.420-W81XWH-12-1-0135 12.420-W81XWH-12-1-0135 12.420-W81XWH-12-1-0236 12.420-W81XWH	Department of the Army Department of the Army	$\begin{array}{c c} 18,329,0 \\ 18,329,0 \\ 118,0 \\ 10,5 \\ 26,5 \\ 26,5 \\ 25,5 \\ 184,4 \\ 27,9 \\ 71,5,5 \\ 264,2 \\ 248,5 \\ 222,0 \\ 248,5 \\ 222,4 \\ 219,4 \\ 219,4 \\ 85,5 \\ 32,5 \\ 133,5 \\ 133,5 \\ 133,5 \\ 133,5 \\ 133,5 \\ 133,5 \\ 133,5 \\ 32,5 \\ 133,5 \\ 32,5 \\ 133,5 \\ 13$
Force Total ny irect Programs 12.420-W81XWH-09-1-0068 12.420-W81XWH-10-1-0240 12.420-W81XWH-10-1-0393 12.420-W81XWH-10-1-0506 12.420-W81XWH-10-1-0510 12.420-W81XWH-10-1-0510 12.420-W81XWH-10-1-0966 12.420-W81XWH-10-1-0966 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0364 12.420-W81XWH-11-1-0380 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0788 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0810 12.420-W81XWH-11-1-0810 12.420-W81XWH-11-2-0004 12.420-W81XWH-11-2-0012 12.420-W81XWH-11-2-0012 12.420-W81XWH-12-1-0122 12.420-W81XWH-12-1-0122 12.420-W81XWH-12-1-0235 12.420-W81XWH-12-1-0235 12.420-W81XWH-12-1-0285	Department of the Army Department of the Army	$\begin{array}{c c} 18,329,0 \\ 118,0 \\ 10,5 \\ 26,3 \\ 26,3 \\ 26,3 \\ 184,4 \\ 27,9 \\ 71,90,5 \\ 264,2 \\ 248,5 \\ 222,6 \\ 248,5 \\ 222,5,4 \\ 225,4 \\ 219,4 \\ 53,3 \\ 130,2 \\ 486,6 \\ 163,3 \\ 32,7 \\ 141,7 \\ 211,2 \\ 105,2 \\ 71,3 \\ 261,5 \\ 71,3 \\ 261,5 \\ 71,5 \\ 261,5 \\ 71,5 \\ 261,5 \\ 71,5 \\ 261,5 \\ 71,5 \\ 261,5 \\ 71,5 \\ 261,5 \\ 71,5 \\ 261,5 \\ 71,5 \\ 261,5 \\ 71,5 \\ 261,5 \\ 71,5 \\ 261,5 \\ 71,5 \\ 261,5 \\ 71,5 \\ 261,5 \\ 71,5 \\ 261,5 \\ 71,5 \\ 261,5 \\ 71,5 $
Force Total ny irect Programs 12.420-W81XWH-09-1-0068 12.420-W81XWH-10-1-0240 12.420-W81XWH-10-1-0393 12.420-W81XWH-10-1-0506 12.420-W81XWH-10-1-0510 12.420-W81XWH-10-1-0566 12.420-W81XWH-10-1-0966 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0364 12.420-W81XWH-11-1-0364 12.420-W81XWH-11-1-0620 12.420-W81XWH-11-1-0620 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0788 12.420-W81XWH-11-1-0781 12.420-W81XWH-12-1-0122 12.420-W81XWH-12-1-0122 12.420-W81XWH-12-1-0135 12.420-W81XWH-12-1-0135 12.420-W81XWH-12-1-0135 12.420-W81XWH-12-1-0135 12.420-W81XWH-12-1-0135 12.420-W81XWH-12-1-0236 12.420-W81XWH	Department of the Army Department of the Army	$\begin{array}{c c} 18,329,0 \\ 118,0 \\ 118,0 \\ 10,1 \\ 26,1 \\ 26,1 \\ 26,1 \\ 26,1 \\ 26,1 \\ 26,1 \\ 26,1 \\ 26,1 \\ 27,9 \\ 71,90,1 \\ 26,1,2 \\ 284,1 \\ 222,14 \\ 222$
Force Total ny irect Programs 12.420-W81XWH-09-1-0068 12.420-W81XWH-10-1-0240 12.420-W81XWH-10-1-0393 12.420-W81XWH-10-1-0506 12.420-W81XWH-10-1-0510 12.420-W81XWH-10-1-0510 12.420-W81XWH-10-1-0966 12.420-W81XWH-10-1-0966 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0364 12.420-W81XWH-11-1-0380 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0788 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0810 12.420-W81XWH-11-1-0810 12.420-W81XWH-11-2-0004 12.420-W81XWH-11-2-0012 12.420-W81XWH-11-2-0012 12.420-W81XWH-12-1-0122 12.420-W81XWH-12-1-0122 12.420-W81XWH-12-1-0235 12.420-W81XWH-12-1-0235 12.420-W81XWH-12-1-0285	Department of the Army Department of the Army	18,329,0
Force Total Ny irect Programs 12.420-W81XWH-09-1-0068 12.420-W81XWH-10-1-0240 12.420-W81XWH-10-1-0240 12.420-W81XWH-10-1-0506 12.420-W81XWH-10-1-0510 12.420-W81XWH-10-1-0731 12.420-W81XWH-10-1-0966 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0287 12.420-W81XWH-11-1-0287 12.420-W81XWH-11-1-0364 12.420-W81XWH-11-1-0364 12.420-W81XWH-11-1-0602 12.420-W81XWH-11-1-0602 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0788 12.420-W81XWH-11-1-0788 12.420-W81XWH-11-1-0788 12.420-W81XWH-11-1-07810 12.420-W81XWH-11-1-0610 12.420-W81XWH-11-2-0020 12.420-W81XWH-12-10020 12.420-W81XWH-12-10025 12.420-W81XWH-12-10026 12.420-W81XWH-12-10026 12.420-W81XWH-12-10026 12.420-W81XWH-12-10026 12.420-W81XWH-12-10026 12.420-W81XWH-12-10026 12.420-W81XWH-12-10285 12.420-W81XWH-12-1028	Department of the Army Department of the Army	$\begin{array}{c c} 18,329,0 \\ 18,329,0 \\ 118,0 \\ 10,5 \\ 26,5 \\ 25,5 \\ 184,4 \\ 27,9 \\ 71,5 \\ 264,2 \\ 248,5 \\ 222,0 \\ 248,5 \\ 222,0 \\ 248,5 \\ 222,0 \\ 248,5 \\ 222,0 \\ 248,5 \\ 222,0 \\ 248,5 \\ 222,0 \\ 248,5 \\ 222,0 \\ 222,0 \\ 248,5 \\ 222,0 \\ \mathbf$
Force Total	Department of the Army Department of the Army	$\begin{array}{c c} 18,329,0 \\ 118,0 \\ 118,0 \\ 10,5 \\ 26,3 \\ 26,3 \\ \mathbf{(5)} \\ 25,5 \\ 184,4 \\ 27,9 \\ \mathbf{7,15, 9} \\ 248,5 \\ 225,4 \\ 248,5 \\ 2225,4 \\ 225,4 \\ 219,4 \\ 5 \\ 5 \\ 25,5 \\ 133,3 \\ 130,2 \\ 486,6 \\ 163,3 \\ 32,7 \\ 141,7 \\ 211,2 \\ 105,2 \\ 71,1 \\ 261,5 \\ 134,4 \\ 91,2 \\ 45,5 \\ \end{array}$
Force Total Ny irect Programs 12.420-W81XWH-109-1-0068 12.420-W81XWH-100-10240 12.420-W81XWH-10-1-0240 12.420-W81XWH-10-1-0506 12.420-W81XWH-10-1-0510 12.420-W81XWH-10-1-0510 12.420-W81XWH-10-1-0966 12.420-W81XWH-10-1-0966 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0364 12.420-W81XWH-11-1-0620 12.420-W81XWH-11-1-0620 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0688 12.420-W81XWH-11-1-06810 12.420-W81XWH-11-1-0810 12.420-W81XWH-11-2-0004 12.420-W81XWH-112-10020 12.420-W81XWH-12-1022 12.420-W81XWH-12-10235 12.420-W81XWH-12-10236 12.420-W81XWH-12-1-0285 12.420-W81XWH-12-1-0285 12.420-W81XWH-12-1-0286 12.420-W81XWH-12-1-0286 12.420-W81XWH-12-1-0287 12.420-W81XWH-12-1-0286 12.420-W81XWH-12-1-0286 12.420-W81XWH-12-1-0287 12.420-W81XWH-12-1-0286 12.420-W81XWH-12-1-0287 12.420-W81XWH-12-1-0287 12.420-W81XWH-12-1-0287 12.420-W81XWH-12-1-0287 12.420-W81XWH-12-1-0286 12.420-W81XWH-12-1-0287 12.420-W81XWH-12-1-0287 12.420-W81XWH-12-1-0287 12.420-W81XWH-12-1-0286 12.420-W81XWH-12-1-0287 12.420-W81XWH-12-1-0286 12.420-W81XWH-12-1-0287 12.420-W81XWH-12-1-0388	Department of the Army Department of the Army	$\begin{array}{c c} 18,329,0 \\ 18,329,0 \\ 118,0 \\ 10,5 \\ 26,3 \\ 26,3 \\ \mathbf{(25)} \\ 13,300,5 \\ 264,2 \\ 248,5 \\ 222,5,4 \\ 2225,4 \\ 225,4 \\ 225,4 \\ 225,4 \\ 225,4 \\ 225,4 \\ 225,$
Force Total Ny irect Programs 12.420-W81XWH-109-1-0068 12.420-W81XWH-100-10240 12.420-W81XWH-100-10240 12.420-W81XWH-100-10506 12.420-W81XWH-100-10510 12.420-W81XWH-100-10731 12.420-W81XWH-10-10966 12.420-W81XWH-110-10966 12.420-W81XWH-11-10087 12.420-W81XWH-11-10087 12.420-W81XWH-11-10087 12.420-W81XWH-11-10087 12.420-W81XWH-11-1087 12.420-W81XWH-11-1087 12.420-W81XWH-11-1087 12.420-W81XWH-11-1087 12.420-W81XWH-11-1087 12.420-W81XWH-11-1087 12.420-W81XWH-11-1087 12.420-W81XWH-11-10810 12.420-W81XWH-11-10810 12.420-W81XWH-11-10810 12.420-W81XWH-11-2001 12.420-W81XWH-12-10125 12.420-W81XWH-12-10125 12.420-W81XWH-12-10257 12.420-W81XWH-12-10285 12.420-W81XWH-12-10285 12.420-W81XWH-12-10287 12.420-W81XWH-12-1028	Department of the Army Department of the Army	$\begin{array}{c c} 18, 329, 0 \\ 118, 0 \\ 118, 0 \\ 10, 0 \\ 26, 3 \\ 26, 3 \\ 16, 10, 0 \\ 26, 10, 0 \\ 26, 10, 10, 0 \\ 26, 10$
Force Total Ny irect Programs 12.420-W81XWH-109-1-0068 12.420-W81XWH-100-10240 12.420-W81XWH-10-1-0240 12.420-W81XWH-10-1-0506 12.420-W81XWH-10-1-0510 12.420-W81XWH-10-1-0510 12.420-W81XWH-10-1-0966 12.420-W81XWH-10-1-0966 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0087 12.420-W81XWH-11-1-0364 12.420-W81XWH-11-1-0620 12.420-W81XWH-11-1-0620 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0621 12.420-W81XWH-11-1-0688 12.420-W81XWH-11-1-06810 12.420-W81XWH-11-1-0810 12.420-W81XWH-11-2-0004 12.420-W81XWH-112-10020 12.420-W81XWH-12-1022 12.420-W81XWH-12-10235 12.420-W81XWH-12-10236 12.420-W81XWH-12-1-0285 12.420-W81XWH-12-1-0285 12.420-W81XWH-12-1-0286 12.420-W81XWH-12-1-0286 12.420-W81XWH-12-1-0287 12.420-W81XWH-12-1-0286 12.420-W81XWH-12-1-0286 12.420-W81XWH-12-1-0287 12.420-W81XWH-12-1-0286 12.420-W81XWH-12-1-0287 12.420-W81XWH-12-1-0287 12.420-W81XWH-12-1-0287 12.420-W81XWH-12-1-0287 12.420-W81XWH-12-1-0286 12.420-W81XWH-12-1-0287 12.420-W81XWH-12-1-0287 12.420-W81XWH-12-1-0287 12.420-W81XWH-12-1-0286 12.420-W81XWH-12-1-0287 12.420-W81XWH-12-1-0286 12.420-W81XWH-12-1-0287 12.420-W81XWH-12-1-0388	Department of the Army Department of the Army	$\begin{array}{c c} 18,329,0 \\ 18,329,0 \\ 118,0 \\ 10,5 \\ 26,3 \\ 26,3 \\ \mathbf{(25)} \\ 13,300,5 \\ 264,2 \\ 248,5 \\ 222,5,4 \\ 2225,4 \\ 225,4 \\ 225,4 \\ 225,4 \\ 225,4 \\ 225,4 \\ 225,$

, CFDA Number, and Contract/Pass th Award	Federal Agency / Pass Through Entity	Amoun Expende
12.420-W81XWH-12-1-0575	Department of the Army	69,
12.420-W81XWH-12-1-0590	Department of the Army	147,
12.420-W81XWH-12-1-0591	Department of the Army	690,
12.420-W81XWH-13-1-0021	Department of the Army	157,
12.420-W81XWH-13-1-0114	Department of the Army	158,0
12.420-W81XWH-13-1-0165	Department of the Army	256,
12.420-W81XWH-13-1-0211	Department of the Army	325,
12.420-W81XWH-13-1-0224	Department of the Army	75,
12.420-W81XWH-13-1-0268	Department of the Army	57,
12.420-W81XWH-13-1-0281	Department of the Army	533,
12.420-W81XWH-13-1-0481	Department of the Army	53,
12.420-W81XWH-13-1-0488	Department of the Army	110,
12.420-W81XWH-13-2-0010	Department of the Army	405,
12.420 W81XWH 13 2 0010 12.420-W81XWH-14-1-0014	Department of the Army	405, 112,
12.420-W81XWH-14-1-0147	Department of the Army	21,
12.420-W8IXWH-10-1-0214	Department of the Army	42,3
12.431-W911NF-07-2-0027	Department of the Army	6,258,
12.431-W911NF-10-1-0250	Department of the Army	82,4
12.431-W911NF-10-1-0318	Department of the Army	(2,
12.431-W911NF-10-1-0337	Department of the Army	
12.431-W911NF-10-1-0446	Department of the Army	214,
12.431-W911NF-11-1-0342	Department of the Army	(7,
12.431-W911NF-11-1-0506	Department of the Army	52,
12.431-W911NF-12-1-0337	Department of the Army	217,
12.431-W911NF-12-1-0374	Department of the Army	(12,
12.431-W911NF-12-1-0452	Department of the Army	1,0
12.431-W911NF-12-1-0537	Department of the Army	(8,
12.431-W911NF-13-1-0064	Department of the Army	110,
12.431-W911NF-13-1-0072	Department of the Army	99,
12.431-W911NF-13-1-0126	Department of the Army	231,
12.431-W911NF-13-1-0181	Department of the Army	177,
12.431-W911NF-13-1-0206	Department of the Army	
		179,
12.431-W911NF-13-1-0309	Department of the Army	207,
12.431-W911NF-13-1-0336	Department of the Army	224,
12.431-W911NF-13-1-0471	Department of the Army	101,4
12.431-W911NF-13-2-0048	Department of the Army	89,
12.431-W911NF-14-1-0062	Department of the Army	37,
12.431-W911NF-14-1-0271	Department of the Army	4,4
12.431-W911NF-14-1-0375	Department of the Army	13,
12.910-W911NF-14-2-0013	Department of the Army	1,807,
12W911NF-12-1-0281	Department of the Army	30,
12W912HQ-10-C-0079	Department of the Army	308,
12W912HQ-11-C-0056	Department of the Army	670,
Direct Programs Total		20,587,4
Pass-Through Programs From		
12.420-00006922/PO# 1608532	DOD_Army_University of California, Berkeley	
12.420-002-2	DOD_Army_Denver Research Institute	277,
12.420-007108;W81XWH-10-1-0885	DOD_Army_University of Cincinnati	1,
12.420-221577; W81XWH-09-2-001	DOD_Army_Massachusetts General Hospital	4,
12.420-500512	DOD_Army_Feinstein Institute for Medical Research	1,
12.420-S-1228-11	DOD_Army_Geneva Foundation	50,0
12.420-WFUHS 40109	DOD_Army_Wake Forest University	(5,
12.420-WFUHS 441011 SR-01	DOD_Army_Wake Forest University	263,
12.420-WFUHS 441013 SR-03	DOD Army Wake Forest University	299,
12.431-10317147-SUB	DOD_Army_University of California, San Diego	
12.431-11-DA RPA-1021	DOD_Army_DARPA_Duke University	14,
12.431-3713-SU-USA-0124/W911NSF-08-1	DOD_Army_The Pennsylvania State University	25,
12.431-560102	DOD_Army_University of Pennsylvania	193,
12.431-7321/2000011421/W911NF1020059	DOD_Army_University of California, Berkeley	42,0
12.431-C13J11493(J00210)	DOD_Army_Yale University	180,
12.431-KK1009 Prime W911NF-09-1-0398	DOD_Army_University of California, Santa Barbara	86,
12.431-Sub 548106 Prime W911NF0710216	DOD_Army_University of Pennsylvania	(
12.431-W000400260; PO#: 1001058889	DOD_Army_University of Iowa	60,
12.431-Z855205	DOD_Army_University of Maryland College Park	(2,
12831324	DOD_Army_BAE Systems	202,
12868-04	DOD_Army_Intelligent Automation Inc	88,
	DOD_Army_Intelligent Automation Inc DOD_Army_University of Hawaii at Hilo	
	DOD ATMY UNIVERSITY OF HAWAII AT HILO	35,
12HI-110004 Pass-Through Programs From Total		1,827,3

y, CFDA Number, and Contract/Pass gh Award	Federal Agency / Pass Through Entity	Amount Expende
avy		
Direct Programs		- 9
12.300-N000014-11-1-0911	Department of the Navy	18,
12.300-N00014-06-1-0505 12.300-N00014-08-1-0561	Department of the Navy Department of the Navy	133, 170,7
12.300-N00014-09-1-0501	Department of the Navy	50,8
12.300-N00014-09-1-0967	Department of the Navy	407,
12.300-N00014-10-1-0109	Department of the Navy	3,0
12.300-N00014-10-1-0281	Department of the Navy	42,7
12.300-N00014-10-1-0291	Department of the Navy	200,9
12.300-N00014-10-1-0378	Department of the Navy	90,9
12.300-N00014-10-1-0430	Department of the Navy	(8,
12.300-N00014-10-1-0521	Department of the Navy	151,2
12.300-N00014-10-1-0599	Department of the Navy	35,0
12.300-N00014-11-1-0030	Department of the Navy	302,4
12.300-N00014-11-1-0067	Department of the Navy	82,3
12.300-N00014-11-1-0233	Department of the Navy	13,4
12.300-N00014-11-1-0244	Department of the Navy	131,5
12.300-N00014-11-1-0276	Department of the Navy	653,9
12.300-N00014-11-1-0286	Department of the Navy	152,5
12.300-N00014-11-1-0319	Department of the Navy	98,7
12.300-N00014-11-1-0396	Department of the Navy	205,5
12.300-N00014-11-1-0538	Department of the Navy	192,8
12.300-N00014-11-1-0707	Department of the Navy	483,9
12.300-N00014-12-1-0063	Department of the Navy	33,6
12.300-N00014-12-1-0914	Department of the Navy	681,4
12.300-N00014-13-1-0195	Department of the Navy	311,
12.300-N00014-13-1-0287	Department of the Navy	171,
12.300-N00014-13-1-0346	Department of the Navy	69,0
12.300-N00014-13-1-0419	Department of the Navy	969,9
12.300-N00014-13-1-0571	Department of the Navy	302,1
12.300-N00014-13-1-0761	Department of the Navy	85,2
12.300-N00014-13-1-0788	Department of the Navy	64,3
12.300-N00014-14-1-0102	Department of the Navy	66,3
12.300-N00014-14-1-0142	Department of the Navy	84,1
12.300-N00014-14-1-0233	Department of the Navy	94,
12.300-N00014-14-1-0280	Department of the Navy	44,2
12.300-N00014-14-1-0389	Department of the Navy	4
12.300-N00014-14-1-0551	Department of the Navy	26,8
12.300-N00014-14-1-0590	Department of the Navy	28,7
12.300-N00244-09-1-0063	Naval Postgraduate School	627,9
12.300-N00244-13-1-0046	Naval Postgraduate School	50,0
12.300-N00244-13-2-0010	Naval Postgraduate School	60,0
12.300-N00244-14-1-0032	Naval Postgraduate School	7,4
12.300-N00244-14-2-0003	Naval Postgraduate School	41,7
12N00014-09-C-0105	Department of the Navy	336,9
12N66001-12-C-2013	Department of the Navy	2,158,1
Direct Programs Total		9,929,7
Pass-Through Programs From	DOD Nevy Advanced Bhotonics Interacted Convits (ADIC)	0
1227704 1227761	DOD_Navy_Advanced Photonics Integrated Circuits (APIC) DOD_Navy_Advanced Photonics Integrated Circuits (APIC)	8,4 152,4
1227783	DOD_Navy_Advanced Photonics Integrated Circuits (APIC)	47,2
12.300-1015 GNA125/ N00014-10-1-0933	DOD_Navy_Luiversity of California, Los Angeles	133,1
12.300-2012-02341-02 (A0442)	DOD_NAVy_Onversity of California, Eos Aligeres	133,
	DOD_Navy_University of Michigan	105,3
12.300-3002451214 12.300-3002997 410	DOD_Navy_University of Michigan	13,4
12.300-3002997410	DOD_Navy_Conversity	(4,
12.300-5710002228 N00014-07-1-0749	DOD_Navy_Massachusetts Institute of Technology	62,0
12.300-5710003209	DOD Navy Massachusetts Institute of Technology	264,5
12.300-A12078 - N00014-09-1-1029	DOD_Navy_Rensselaer Polytechnic Institute	-04%
12.300-AE-S-51182	DOD_Navy_Oklahoma State University	117,9
12.300-FA8750-12-2-0020	DOD_Navy_DARPA	1,056,2
12.300-FA8750-12-2-0020 12.300-FA8750-12-2-0306	DOD_Navy_DARFA DOD_Navy_Department of the Air Force	249,
12.300-FA8750-12-2-0306 12.300-FA8750-12-2-0335	DOD_Navy_Department of the Air Force	249,
12.300-FA8750-12-2-0335 12.300-FA8750-12-2-0343	DOD_Navy_Department of the Air Force	446,
12.300-FA8750-12-2-0343 12.300-FA8750-13-2-0040	DOD_Navy_Department of the Air Force	440, 969,
12.300-FA8750-13-2-0040 12.300-FA8750-14-2-0006	DOD_Navy_Department of the Air Force	969,; 362,7
	DOD_Navy_Colorado State University	
12.300-G-2400-2 PO#P324149 12.300-KK1129	DOD_Navy_Colorado State University DOD_Navy_University of California, Santa Barbara	49,4
	DOD_Navy_University of California, Santa Barbara DOD_Navy_University of California, Santa Barbara	143,2 48,5
12.300-KK1139		

	FDA Number, and Contract/Pass Award	Federal Agency / Pass Through Entity	Amoun Expende
	12.300-N00173-14-1-G005	DOD_Navy_NASA	9,
	12.300-PO: BB00184369 SA 8173	DOD_ONR_University of California, Berkeley	206,
	12.300-R7570-G3	DOD_Navy_Georgia Institute of Technology	58,
	12.300-UTA09-000723	DOD_Navy_University of Texas at Austin	48,
	12.300-UTA11-000389	DOD_Navy_University of Texas at Austin	37,
	12.300-Z894101	DOD_Navy_University Of Maryland At College Park	112,
	12467-Stanford	DOD_Navy_Cascadia Research	31,
	12.800-10312816-004	DOD_Navy_University of California San Diego	326,
		DOD_Navy_Defense Advanced Research Projects Agency	
	12N66001-10-C-2010		5,453,
	12P.O. 1302, Project No 8935	DOD_Navy_CFD Research Corporation	(11,
	12Purchase Order 27675	DOD_Navy_Advanced Photonics Integrated Circuits (APIC)	9
	12RC788-S3	DOD_Navy_Georgia Institute of Technology	144,
	ss-Through Programs From Total Total		<u>12,059,</u> 21,988,9
•			21,900,9
	PA and Other DOD rect Programs		
DI	5	Defense Threat Poduction Aganes (DTPA)	69,
	12.351-HDTRA1-08-1-0010	Defense Threat Reduction Agency (DTRA)	
	12.351-HDTRA1-09-1-0024	Defense Threat Reduction Agency (DTRA)	49,
	12.351-HDTRA1-10-1-0027	Defense Threat Reduction Agency (DTRA)	16,
	12.351-HDTRA1-10-1-0115	Defense Threat Reduction Agency (DTRA)	83,
	12.351-HDTRA1-11-1-0008	Defense Threat Reduction Agency (DTRA)	102,0
	12.351-HDTRA1-11-1-0058	Defense Threat Reduction Agency (DTRA)	499,3
	12.351-HDTRA1-14-1-0036	Defense Threat Reduction Agency (DTRA)	4,
	12.431-1131516-1-FZBJH	Defense Advanced Research Projects Agency	46,0
	12.910-D10AP00107	Defense Advanced Research Projects Agency	-1-)
	12.910 DIGHT00107	Defense Advanced Research Projects Agency	592,
	12.910 HR0011-11-2-0002	Defense Advanced Research Projects Agency	674,
	12.910-HR0011-13-2-0011	Defense Advanced Research Projects Agency	596,
	12.910-N66001-09-1-2024	Defense Advanced Research Projects Agency	496,
	12.910-N66001-10-1-4004	Defense Advanced Research Projects Agency	249,
	12.910-N66001-10-1-4021	Defense Advanced Research Projects Agency	
	12.910-N660011024088	Defense Advanced Research Projects Agency	461,4
	12.910-N66001-11-1-4105	Defense Advanced Research Projects Agency	1,738,
	12.910-N66001-11-1-4106	Defense Advanced Research Projects Agency	1,136,
	12.910-N66001-11-1-4111	Defense Advanced Research Projects Agency	1,076,
	12.910-N66001-11-1-4199	Defense Advanced Research Projects Agency	466,
	12.910 N66001-12-1-4011	Defense Advanced Research Projects Agency	400,
	12.910-N66001-12-1-4198	Defense Advanced Research Projects Agency	48,
	12.910-N66001-12-1-4233	Defense Advanced Research Projects Agency	7,
	12.910-N66001-12-1-4236	Defense Advanced Research Projects Agency	71,0
	12.910-N66001-12-1-4260	Defense Advanced Research Projects Agency	225,9
	12H98230-12-C-0303	National Security Agency	243,0
	12HR0011-11-C-0007	Defense Advanced Research Projects Agency	663,
	12HR0011-12-C-0057	Defense Advanced Research Projects Agency	970,4
	12HR0011-12-C-0080	Defense Advanced Research Projects Agency	1,
	12HR0011-13-C-0060	Defense Advanced Research Projects Agency	714,
	12W911QX-12-C-0018	Defense Advanced Research Projects Agency	272,
Dir	rect Programs Total	become may anted research ridgetts regulty	<u> </u>
Do-	a Through Brograms From		
ras	ss-Through Programs From 120142SQA022	DOD_DARPA_MARCO_University of California, Los Angeles	201,
	120142SQA023 4-442580-2A-57125	DOD_DARPA_MARCO_University of California, Los Angeles	230,9
	120142SQA024	DOD_DARPA_MARCO_University of California, Los Angeles	188,
	120142SQA025 4-442580-2A-57125	DOD_DARPA_MARCO_University of California, Los Angeles	223,
	120160 S NA7 39/2009-NT-2048	DOD_DARPA_MARCO_University of California, Los Angeles	
	121045108	DOD_DARPA_Sandia National Laboratories	13,
	12116-000006 Phase 3	DOD_DARPA_SRI International	54,
	12116-000006 Phase 4 (Line 4)	DOD_DARPA_SRI International	113,
	121162454	DOD_DARPA_Sandia National Laboratories	
	12119-000226	DOD_DARPA_SRI International	183,
	122013-01024-06 C4432	DOD_DARPA_MARCO_University of Illinois at Urbana Champaign	223,
	122013-01024-06 C4432 AMEND#2	DOD_DARPA_MARCO_University of Illinois at Urbana Champaign	967,
	12.351-4643-SU-DTRA-0026	DOD_DTRA_The Pennsylvania State University	121,
	124000118997	DOD_DTRA_THE remissivalla state University DOD_DARPA_UT-Battelle LLC	51,
	12.431-ACTIVITY #321104, PO#961078RSUB	DOD_DARPA_Childrens Hospital of Philadelphia Research	104,
	12.431-W911NF-14-1-0013	DOD_DARPA_Department of the Army	384,
	124911028169/ PO#5004098484	DOD_DARPA_International Business Machines Corporation	867,
	124911029889 PO #5004077242/15SA	DOD_DARPA_International Business Machines Corporation	129,5
	124912065933 PO: 5004336564	DOD_DARPA_International Business Machines Corporation	227,7
	12. 491200393310. 3004330304		
	12491200393310.3004330304 124913008345.0 / PO: 5004458520	DOD_DARPA_International Business Machines Corporation	398,

Agency, CFDA Number, and Contract/Pass

, CFDA Number, and Contract/Pass h Award	Federal Agency / Pass Through Entity	Amoun Expende
12.630-Job: 137665212 PO:9500009862	DOD_Office of the Secretary of Defense_The Pennsylvania State University	62,
126814sc	DOD_DARPA_University of California, San Francisco	565,
12.910-0157 GPA103/4-442651-WK-21263	DOD_DARPA_University of California, Los Angeles	134,
12.910-1190029-276707	DOD DARPA Carnegie Mellon University	122,
12.910-13-DARPA-1031	DOD_DARPA_Duke University	220,
12.910-45634-B	DOD_DARPA_University of Chicago	8,
12.910-541K564	DOD_DARPA_University of Wisconsin Madison	9
12.910-5710002916	DOD_DARPA_Massachusetts Institute of Technology	675,
12.910-5710003401	DOD_DARPA_Massachusetts Institute of Technology	127,
12.910-71065-10205	DOD_DARPA_Cornell University	/,
12.910-A13-0895-S002	DOD_DARPA_University of Tennessee	278,
12.910-D10AP00107	DOD DARPA Office of the Secretary - Interior	<u> </u>
12.910-D11AP00274	DOD_DARPA_Office of the Secretary - Interior	, -,
12.910-FA8650-13-1-7301	DOD_DARPA_Department of the Air Force	924.
12.910-FA9550-12-1-0411	DOD_DARPA_Department of the Air Force	1,121,
12.910-N66001-14-1-4026	DOD_DARPA_Navy	66,
12.910-SP0020818-PROJ0005240	DOD_DARPA_Northwestern University	424,
12.910-UCSD PO# 10311923 - SUB	DOD_DARPA_University of California, San Diego	4-4,
12.910-W31P4Q-12-1-0023	DOD_DARPA_Department of the Army	23
12B-12-M06-S1		23
	DOD_DARPA_Georgia Institute of Technology	
12CO-12-SFU001-M5	DOD_DARPA_SentiMetrix, Inc.	397,
12D13PC00034	DOD_DARPA_Advanced Liquid Logic	2,
12FE 01 19 12	DOD_DARPA_Group4 Labs, Inc.	(49
12K000139-S03-5 OPT Y R2	DOD_IARPA_Kitware, Inc.	36,
12K000886-00-S04	DOD_DARPA_Kitware Inc	65
12N6601-12-C-4178 PO#4204556987E	DOD_DARPA_Navy_Honeywell Corporation	128,
12Nuvo-SFD-1401-1066 / PO#87906	DOD_DARPA_Nuvotronics LLC	48,
12PC 965304_CLIN 0001	DOD_DARPA_Boeing Company	210
12PO # SC001-0000000711	DOD_DARPA_Charles Stark Draper Laboratory	34.
12PO# 4440160018	DOD_DSCA_Government of Israel Ministry of Defense	2,
12S-04271-D13PC00008-STANFORD	DOD_DARPA_Millennium Engineering and Integration Company	58,
12SUBCONTRACT 3002565248	DOD_DARPA_MARCO_University of Michigan	439,
12UTA11-000573	DOD_SERDP_University of Texas at Austin	73:
12W911QX-12-C-0018	DOD_DARPA_Department of the Army	911,
Pass-Through Programs From Total RPA and Other DOD Total rtment of Defense (DOD) Total		23,473,
RPA and Other DOD Total rtment of Defense (DOD) Total		23,473,
RPA and Other DOD Total rtment of Defense (DOD) Total rtment of Education		23,473,
RPA and Other DOD Total rtment of Defense (DOD) Total rtment of Education Direct Programs	United States Department of Education	<u>23,473</u> 86,205,
RPA and Other DOD Total rtment of Defense (DOD) Total rtment of Education Direct Programs 84.017B-P170B100024	United States Department of Education	<u>23,473</u> ; 86,205 , 41,
RPA and Other DOD Total rtment of Defense (DOD) Total rtment of Education Direct Programs 84.017 B-P170B100024 84.022A-P022A120032-12A	United States Department of Education	23,473, 86,205, 41, 39,
RPA and Other DOD Total rtment of Defense (DOD) Total rtment of Education Direct Programs 84.017 B-P170B100024 84.022A-P022A120032-12A 84.022A-P022A130039	United States Department of Education United States Department of Education	23,473. 86,205, 41, 39, 10
RPA and Other DOD Total rtment of Defense (DOD) Total rtment of Education Direct Programs 84.017 B-P170B100024 84.022A-P022A120032-12A 84.022A-P022A130039 84.170B-P170B090014	United States Department of Education United States Department of Education United States Department of Education	23,473, 86,205, 41, 39, 10, 41,
RPA and Other DOD Total rtment of Defense (DOD) Total rtment of Education Direct Programs 84.017 B-P170B100024 84.022A-P022A120032-12A 84.022A-P022A130039 84.170B-P170B090014 84.305A-R305A110670	United States Department of Education United States Department of Education United States Department of Education United States Department of Education	23,473, 86,205, 41, 39, 10, 41, 200,
RPA and Other DOD Total rtment of Defense (DOD) Total rtment of Education Direct Programs 84.017 B-P17 0B100024 84.022A-P022A120032-12A 84.022A-P022A130039 84.17 0B-P170 B090014 84.305A-R305A11067 0 84.305A-R305A110864	United States Department of Education United States Department of Education United States Department of Education United States Department of Education United States Department of Education	23,473, 86,205, 41, 39, 10, 41, 200, 461,
RPA and Other DOD Total rtment of Defense (DOD) Total rtment of Education Direct Programs 84.017 B-P170B100024 84.022A-P022A120032-12A 84.022A-P022A130039 84.170B-P170B090014 84.305A-R305A110864 84.305A-R305A120671	United States Department of Education United States Department of Education	23,473, 86,205, 41, 39, 10 41, 200, 461 406
RPA and Other DOD Total rtment of Defense (DOD) Total rtment of Education Direct Programs 84.017 B-P170B100024 84.022A-P022A120032-12A 84.022A-P022A130039 84.170B-P170B090014 84.305A-R305A110670 84.305A-R305A110664 84.305A-R305A120671 84.305A-R305A140314	United States Department of Education United States Department of Education	23,473, 86,205, 41, 39, 10, 41, 200, 41, 200, 461, 406, 82,
RPA and Other DOD Total rtment of Defense (DOD) Total rtment of Education Direct Programs 84.017 B-P170B100024 84.022A-P022A120032-12A 84.022A-P022A120039 84.170B-P170B090014 84.305A-R305A110670 84.305A-R305A110670 84.305A-R305A110864 84.305A-R305A120671 84.305A-R305A140314 84.305B-R305B130017	United States Department of Education United States Department of Education	23,473, 86,205, 86,205, 41, 39, 10, 41, 200, 461, 406, 82, 82, 11,
RPA and Other DOD Total rtment of Defense (DOD) Total rtment of Education Direct Programs 84.017 B-P170B100024 84.022A-P022A120032-12A 84.022A-P022A130039 84.170B-P170B030039 84.170B-P170B030014 84.305A-R305A110670 84.305A-R305A110864 84.305A-R305A120671 84.305B-R305B130017 84.305B-R305B130017 84.305B-R305B140009	United States Department of Education United States Department of Education	23,473, 86,205, 86,205, 10 41, 200, 461 406 82, 11, 80
RPA and Other DOD Total rtment of Defense (DOD) Total rtment of Education Direct Programs 84.017 B-P170B1000024 84.022A-P022A120032-12A 84.022A-P022A130039 84.170B-P170B090014 84.305A-R305A110670 84.305A-R305A110670 84.305A-R305A110671 84.305A-R305A120671 84.305B-R305A120671 84.305B-R305B130017 84.305B-R305B140039 84.305B-R305B140009 84.305E-R305E130009	United States Department of Education United States Department of Education	23,473, 86,205, 86,205, 10 41, 200, 461 406 82, 11, 80 379
RPA and Other DOD Total rtment of Defense (DOD) Total rtment of Education Direct Programs 84.017 B-P170B100024 84.022A-P022A120032-12A 84.022A-P022A130039 84.170B-P170B030014 84.305A-R305A10670 84.305A-R305A110864 84.305A-R305A110864 84.305A-R305A120671 84.305B-R305B130017 84.305B-R305B140009	United States Department of Education United States Department of Education	23,473, 86,205, 86,205, 10 41, 200, 41, 200, 41, 200, 406 82, 11, 80 379 (6
RPA and Other DOD Total rtment of Defense (DOD) Total rtment of Education Direct Programs 84.017 B-P170B1000024 84.022A-P022A120032-12A 84.022A-P022A130039 84.170B-P170B090014 84.305A-R305A110670 84.305A-R305A110670 84.305A-R305A110671 84.305A-R305A120671 84.305B-R305A120671 84.305B-R305B130017 84.305B-R305B140039 84.305B-R305B140009 84.305E-R305E130009	United States Department of Education United States Department of Education	23,473, 86,205, 86,205, 10 41, 200, 41, 200, 41, 200, 406 82, 11, 80 379 (6
RPA and Other DOD Total rtment of Defense (DOD) Total rtment of Education Direct Programs 84.017 B-P170B100024 84.022A-P022A120032-12A 84.022A-P022A130039 84.17 0B-P17 0B090014 84.305A-R305A110670 84.305A-R305A110664 84.305A-R305A110664 84.305A-R305A120671 84.305A-R305A140314 84.305B-R305B140009 84.305B-R305B140009 84.305B-R305B130007 84.305B-R305B14009 84.305B-R3	United States Department of Education United States Department of Education	23,473, 86,205, 86,205, 41, 39, 10, 41, 200, 461, 406, 82, 11, 80, 379, (6, 300,
RPA and Other DOD Total rtment of Defense (DOD) Total rtment of Education Direct Programs 84.017 B-P170B100024 84.022A-P022A120032-12A 84.022A-P022A120039 84.17 0B-P170B090014 84.305A-R305A110864 84.305A-R305A110864 84.305A-R305A120671 84.305A-R305A140314 84.305B-R305B130017 84.305B-R305B130017 84.305-B-R305E130009 84.305-R305E130009 84.305-R305A100120	United States Department of Education United States Department of Education	$\begin{array}{r} 23.473, \\ 86,205, \\ 86,205, \\ 41, \\ 39, \\ 10, \\ 41, \\ 200, \\ 461, \\ 406, \\ 82, \\ 11, \\ 80, \\ 379, \\ (6, \\ 300, \\ 54, \\ \end{array}$
RPA and Other DOD Total rtment of Defense (DOD) Total rtment of Education Direct Programs 84.017 B-P170B100024 84.022A-P022A120032-12A 84.022A-P022A130039 84.170B-P170B090014 84.305A-R305A110670 84.305A-R305A110670 84.305A-R305A110671 84.305A-R305A120671 84.305A-R305A120671 84.305B-R305B130017 84.305B-R305B140039 84.305E-R305B130009 84.305E-R305A10804 84.305-R305A10020 84.305-R305A100120 84.305-R305A100120 84.305-R305A100286	United States Department of Education United States Department of Education	$\begin{array}{c} 23,473,\\ 86,205,\\ 86,205,\\ 41,\\ 39,\\ 10,\\ 41,\\ 200,\\ 461,\\ 406,\\ 82,\\ 11,\\ 80,\\ 379,\\ (6,\\ 300,\\ 54,\\ ($
RPA and Other DOD Total rtment of Defense (DOD) Total rtment of Education Direct Programs 84.017 B-P170B100024 84.022A-P022A120032-12A 84.022A-P022A130039 84.170B-P170B090014 84.305A-R305A110670 84.305A-R305A110670 84.305A-R305A110864 84.305A-R305A120671 84.305A-R305A140314 84.305B-R305B140009 84.305E-R305B130007 84.305E-R305B130009 84.305-R305A10020 84.305-R305A10020 84.305-R305A10020 84.305-R305B070016	United States Department of Education United States Department of Education	$\begin{array}{r} 23,473,\\ 86,205,\\ 86,205,\\ 41,\\ 39,\\ 10,\\ 41,\\ 200,\\ 461,\\ 406,\\ 82,\\ 11,\\ 80,\\ 379,\\ (6,\\ 300,\\ 54,\\ (4,\\ 844,\\ (4,\\ 844,\\ (4,\\ 844,\\ (5,\\ 844,\\ (5,\\ 844,\\ (4,\\ 844,\\ (5,\\ 844,\\ ($
RPA and Other DOD Total rtment of Defense (DOD) Total rtment of Education Direct Programs 84.017 B-P170B100024 84.022A-P022A120032-12A 84.022A-P022A130039 84.17 0B-P170B090014 84.305A-R305A110670 84.305A-R305A110671 84.305A-R305A110664 84.305A-R305A120671 84.305A-R305A140314 84.305B-R305B140009 84.305B-R305B140009 84.305B-R305A100120 84.305-R305A100120 84.305-R305A100120 84.305-R305A100286 84.305-R305A100286 84.305-R305B070016 84.305-R305B070016	United States Department of Education United States Department of Education	$\begin{array}{c} 23.473, \\ 86,205, \\ 86,205, \\ 41, \\ 39, \\ 10, \\ 41, \\ 200, \\ 461, \\ 406, \\ 82, \\ 11, \\ 80, \\ 379, \\ (6, \\ 300, \\ 54, \\ (6, \\ 300, \\ 54, \\ (6, \\ 300, \\ 54, \\ (6, \\ 300, \\ 54, \\ (7, \\ 10,$
RPA and Other DOD Total rtment of Defense (DOD) Total rtment of Education Direct Programs 84.017 B-P170B100024 84.022A-P022A120032-12A 84.022A-P022A130039 84.170 B-P170B090014 84.305A-R305A110670 84.305A-R305A110670 84.305A-R305A120671 84.305A-R305A120671 84.305B-R305B130017 84.305B-R305B130017 84.305-B-R305B130017 84.305-R305B130017 84.305-R305D10020 84.305-R305A100120 84.305-R305A100286 84.305-R305B070016 84.305-R305D010016 84.305-R305D110018-12	United States Department of Education United States Department of Education	$\begin{array}{c} 23.473, \\ 86,205, \\ 86,205, \\ 41, \\ 399, \\ 100, \\ 411, \\ 200, \\ 461, \\ 406, \\ 82, \\ 111, \\ 800, \\ 379, \\ (6, \\ 300, \\ 544, \\ (844, \\ 137, \\ 417, \\ 417, \\ 417, \\ \end{array}$
RPA and Other DOD Total rtment of Defense (DOD) Total rtment of Education Direct Programs 84.017 B-P170B100024 84.022A-P022A120032-12A 84.022A-P022A130039 84.170B-P170B090014 84.305A-R305A110670 84.305A-R305A110670 84.305A-R305A110670 84.305A-R305A120671 84.305A-R305A120671 84.305A-R305A120671 84.305A-R305A140314 84.305B-R305B140017 84.305E-R305B140019 84.305E-R305E130009 84.305-R305A100120 84.305-R305A100120 84.305-R305B090016 84.305-R305B090016 84.305-R305B090016 84.305-R305D110018-12 84.305Z-T365Z120130 Direct Programs Total Pass-Through Programs From	United States Department of Education United States Department of Education	23,473, 86,205, 86,205, 10 40, 40, 40, 40, 40, 40, 40, 40, 40, 40
RPA and Other DOD Total rtment of Defense (DOD) Total rtment of Defense (DOD) Total rtment of Education Direct Programs 84.017 B-P170B100024 84.022A-P022A120032-12A 84.022A-P022A130039 84.170B-P170B090014 84.305A-R305A110670 84.305A-R305A110864 84.305A-R305A120671 84.305A-R305A120671 84.305B-R305B130017 84.305B-R305B140039 84.305B-R305B140017 84.305-R305A10020 84.305-R305A10020 84.305-R305A10020 84.305-R305B070016 84.305-R305B070016 84.305-R305D10018-12 84.305Z-R305D10018-12 84.305Z-R305D10018-12 84.305Z-R305D10018-12 84.305Z-R305D10018-12 84.305Z-R305D10018-12 84.305Z-R305D10018-12 84.305Z-R305D10018-12 84.305Z-R305D10018-12 84.305Z-R305D10018-12 840011-03230 / PO# 12RRG008	United States Department of Education United States Department of Education	$\begin{array}{r} 23,473,\\ 86,205,\\ 86,205,\\ 86,205,\\ 10,\\ 41,\\ 39,\\ 10,\\ 41,\\ 200,\\ 461,\\ 406,\\ 82,\\ 11,\\ 406,\\ 82,\\ 11,\\ 406,\\ 82,\\ 11,\\ 406,\\ 82,\\ 11,\\ 406,\\ 84,\\ 137,\\ 417,\\ 3,503,\\ 169,\\ 169,\\ 169,\\ 169,\\ 169,\\ 10,205,\\ 10,20$
RPA and Other DOD Total rtment of Defense (DOD) Total rtment of Education Direct Programs 84.012 P-012032-12A 84.022A-P022A120032-12A 84.022A-P022A130039 84.170B-P170B090014 84.305A-R305A110670 84.305A-R305A110670 84.305A-R305A120671 84.305A-R305A120671 84.305A-R305A120671 84.305B-R305B140009 84.305-R305B140009 84.305-R305A10020 84.305-R305A100120 84.305-R305A100120 84.305-R305B070016 84.305-R305D10016 84.305-R305D10016 84.305-R305D10016 84.305-R305D10016 84.305-R305D10016 84.305-R305D10018-12 84.365-R305D10018-12 84.365-R305D10018-12 840101-03230 / PO# 12RRG0008 84011-03230 / PO# 12RRG008	United States Department of Education United States Department of Education	$\begin{array}{r} 23,473,\\ 86,205,\\ 86,205,\\ 86,205,\\ 10,\\ 90,\\ 41,\\ 200,\\ 41,\\ 200,\\ 41,\\ 200,\\ 41,\\ 200,\\ 41,\\ 200,\\ 406,\\ 82,\\ 11,\\ 80,\\ 379,\\ (6,\\ 300,\\ 54,\\ (6,\\ 300,\\ 54,\\ (6,\\ 300,\\ 54,\\ (1,2,2,3,3,3,3,3,3,3,3,3,3,3,3,3,3,3,3,3,$
RPA and Other DOD Total rtment of Defense (DOD) Total rtment of Defense (DOD) Total rtment of Education Direct Programs 84.017 B-P170B100024 84.022A-P022A120032-12A 84.022A-P022A130039 84.170B-P170B090014 84.305A-R305A110670 84.305A-R305A110864 84.305A-R305A120671 84.305A-R305A120671 84.305B-R305B130017 84.305B-R305B140039 84.305B-R305B140017 84.305-R305A10020 84.305-R305A10020 84.305-R305A10020 84.305-R305B070016 84.305-R305B070016 84.305-R305D10018-12 84.305Z-R305D10018-12 84.305Z-R305D10018-12 84.305Z-R305D10018-12 84.305Z-R305D10018-12 84.305Z-R305D10018-12 84.305Z-R305D10018-12 84.305Z-R305D10018-12 84.305Z-R305D10018-12 84.305Z-R305D10018-12 840011-03230 / PO# 12RRG008	United States Department of Education United States Department of Education	23,473, 86,205, 86,205, 10 41, 200, 41, 200, 406 82, 11, 80, 379 (6 300 54, (6 300 54, (17, 3,503, 169, 358
RPA and Other DOD Total rtment of Defense (DOD) Total rtment of Education Direct Programs 84.012 P-012032-12A 84.022A-P022A120032-12A 84.022A-P022A130039 84.170B-P170B090014 84.305A-R305A110670 84.305A-R305A110670 84.305A-R305A120671 84.305A-R305A120671 84.305A-R305A120671 84.305B-R305B140009 84.305-R305B140009 84.305-R305A10020 84.305-R305A100120 84.305-R305A100120 84.305-R305B070016 84.305-R305D10016 84.305-R305D10016 84.305-R305D10018-12 84.365-R305D10018-12 84.365-R305D10018-12 84.365-R305D10018-12 84.365-R305D10016 840101-03230 / PO# 12RRG0008 8401011-03230 / PO# 12RRG008	United States Department of Education United States Department of Education	$\begin{array}{r} 23.473.\\ \hline 86,205,\\ \hline 86,205,\\ \hline 86,205,\\ \hline 86,205,\\ \hline 86,205,\\ \hline 10,\\ 1$
RPA and Other DOD Total rtment of Defense (DOD) Total rtment of Education Direct Programs 84.017 B-P170B100024 84.022A-P022A120032-12A 84.022A-P022A130039 84.170B-P170B090014 84.305A-R305A110670 84.305A-R305A10670 84.305A-R305A10670 84.305A-R305A10670 84.305A-R305A100671 84.305A-R305A100671 84.305B-R305B130017 84.305E-R305B130009 84.305E-R305B130009 84.305-R305A100120 84.305-R305A100120 84.305-R305A100120 84.305-R305A100120 84.305-R305A100120 84.305-R305D10018-12 84.305-R305D100018-12 <t< td=""><td>United States Department of Education United States Department of Education</td><td>$\begin{array}{r} 23.473, \\ 86,205, \\ 86,205, \\ 86,205, \\ 90, \\ 10, \\ 40, \\ 90, \\ 40, \\ 40, \\ 40, \\ 82, \\ 11, \\ 406, \\ 82, \\ 11, \\ 80, \\ 379, \\ (6, \\ 300, \\ 54, \\ (1, \\ 844, \\ 137, \\ 417, \\ 3.503, \\ 358, \\ 92, \\ 39, \\ 92, \\ 39, \\ 92, \\ 39, \\ \end{array}$</td></t<>	United States Department of Education United States Department of Education	$\begin{array}{r} 23.473, \\ 86,205, \\ 86,205, \\ 86,205, \\ 90, \\ 10, \\ 40, \\ 90, \\ 40, \\ 40, \\ 40, \\ 82, \\ 11, \\ 406, \\ 82, \\ 11, \\ 80, \\ 379, \\ (6, \\ 300, \\ 54, \\ (1, \\ 844, \\ 137, \\ 417, \\ 3.503, \\ 358, \\ 92, \\ 39, \\ 92, \\ 39, \\ 92, \\ 39, \\ \end{array}$
RPA and Other DOD Total rtment of Defense (DOD) Total rtment of Education Direct Programs 84.017 B-P17 0B100024 84.022A-P022A120032-12A 84.022A-P022A130039 84.17 0B-P17 0B090014 84.305A-R305A110670 84.305A-R305A120671 84.305A-R305A120671 84.305A-R305A140314 84.305B-R305B130017 84.305E-R305B140019 84.305E-R305E130009 84.305-R305A100286 84.305-R305A100286 84.305-R305B090016 84.305-R305D10018-12 84.305E-R305D10018-12 84.305-R305D10018-12 84.305-R305D10018-12 84.305E-R305D10018-12 84.305E-R305D1001	United States Department of Education United States Department of Education	$\begin{array}{r} 23.473, \\ 86,205, \\ 86,205, \\ 86,205, \\ 90, \\ 10, \\ 10, \\ 10, \\ 10, \\ 10, \\ 10, \\ 10, \\ 10, \\ 10, \\ 10, \\ 11, \\ 200, \\ 461, \\ 406, \\ 82, \\ 11, \\ 406, \\ 82, \\ 11, \\ 406, \\ 82, \\ 11, \\ 406, \\ 82, \\ 11, \\ 406, \\ 82, \\ 11, \\ 406, \\ 300, \\ 544, \\ 137, \\ 417, \\ 3,503, \\ 30, \\ 30, \\ 358, \\ 92, \\ 39, \\ 207, \\ $
RPA and Other DOD Total rtment of Defense (DOD) Total rtment of Education Direct Programs 84.017 B-P170B100024 84.022A120032-12A 84.022A120032-12A 84.022A10032-12A 84.022A10032-12A 84.022A10032-12A 84.022A10032-12A 84.022A10032-12A 84.022A10032-12A 84.022A10032-12A 84.022A10032-12A 84.022A-P022A130039 84.305A-R305A10670 84.305A-R305A120671 84.305A-R305A120671 84.305B-R305B130017 84.305B-R305B130017 84.305B-R305B130009 84.305-R305D300120 84.305-R305B070016 84.305-R305B070016 84.305-R305D110018-12 84.305-R305D110018-12 84.305Z-1365Z120130 Direct Programs Total Pass-Through Programs From 84011-03230 / PO# 12RRG0008 841051-10547 84.305-ASUR3504 84.305-ASUR3504 84.305-ASUR47#00007279/PO# BB00105129 84.305-ASUR3504 84.3	United States Department of Education United States Department of Educ	$\begin{array}{r} 23,473,\\ 86,205,\\ 86,205,\\ 86,205,\\ 86,205,\\ 90,\\ 10,\\ 10,\\ 10,\\ 10,\\ 10,\\ 10,\\ 10,\\ 1$
RPA and Other DOD Total rtment of Defense (DOD) Total rtment of Defense (DOD) Total rtment of Education Direct Programs 84.012A-P022A120032-12A 84.022A-P022A130039 84.170B-P170B090014 84.305A-R305A110670 84.305A-R305A110670 84.305A-R305A110670 84.305A-R305A110670 84.305A-R305A120671 84.305A-R305A120671 84.305A-R305A140314 84.305A-R305B140009 84.305-R305B140009 84.305-R305A080464 84.305-R305A100120 84.305-R305A00120 84.305-R305B070016 84.305-R305D10018-12 84.305-R305D10018-12 84.305-R305D10018-12 84.305-R305D10018-12 84.305-R305D10018-12 8401011-03230 / PO# 12RRG0008 84105-170547 84305-AS0183504 84.305-AS0183504 84.305-AS0183504 84.305-AS0183504 84.305-AS0183504 84.305-AS0183504 84.305-AS0183504 84.305-AS0183504	United States Department of Education United States Department of Education United States Department of Education United States Department of Education United States Department of Educ	$\begin{array}{r} 23.473, \\ 86,205, \\ 86,205, \\ 86,205, \\ 99, \\ 10, \\ 41, \\ 200, \\ 461, \\ 406, \\ 82, \\ 11, \\ 406, \\ 82, \\ 11, \\ 406, \\ 82, \\ 11, \\ 406, \\ 82, \\ 11, \\ 406, \\ 82, \\ 11, \\ 406, \\ 82, \\ 11, \\ 406, \\ 82, \\ 10, \\ 11, \\ 10, $
RPA and Other DOD Total rtment of Defense (DOD) Total rtment of Defense (DOD) Total rtment of Education Direct Programs 84.017 B-P170B100024 84.022A-P022A120032-12A 84.022A-P022A130039 84.170B-P170B090014 84.305A-R305A110670 84.305A-R305A110670 84.305A-R305A110670 84.305A-R305A120671 84.305A-R305A120671 84.305A-R305A120671 84.305A-R305B130017 84.305B-R305B140019 84.305B-R305B140019 84.305-R305A100120 84.305-R305A100120 84.305-R305B090016 84.305-R305B090016 84.305-R305D10018-12 84.305-R305D101018-12 84.305-R305D101018-12 84.305-R305D101018-12 84.305-R305D101018-12 84.305-R305D101018-12 84.305-R305D101018-12 84.305-R305D101018-12 84.305-R305D100026 841011-03230 / PO# 12RRG0008 84215-10547 84.305-R30F100026 84.305-R30F100026 84.305-R30F100026	United States Department of Education United States Department of Education Dept of Ed_SRI International	$\begin{array}{r} 23,473,\\ 86,205,\\ 86,205,\\ 86,205,\\ 86,205,\\ 10,\\ 10,\\ 10,\\ 10,\\ 10,\\ 10,\\ 10,\\ 10$
RPA and Other DOD Total rtment of Defense (DOD) Total rtment of Defense (DOD) Total stand Direct Programs 84.017 B-P170B100024 84.022A-P022A120032-12A 84.022A-P022A130039 84.170B-P170B090014 84.305A-R305A110864 84.305A-R305A110870 84.305A-R305A110870 84.305A-R305A120671 84.305A-R305A120671 84.305A-R305A140314 84.305B-R305B130017 84.305E-R305B130017 84.305E-R305A10020 84.305-R305A10020 84.305-R305D0016 84.305-R305D0016 84.305-R305D10018-12 84.305Z-T365Z120130 Direct Programs Total Pass-Through Programs From 8401011-03230 / PO# 12RRG0008 84.215-110547 84.305-R30F100026 84.305-R30F100026 84.305-R30F100026 84.305-R30F100026 84.305-R30F100027 84.305-R30F100026 84.305-R30F100027 84.305-R30F100026 84.305-R30F100027 84.305-	United States Department of Education United States Department of Education Dept of Ed_SRI International Dept of Ed_University of San Francisco	$\begin{array}{c} 11,880,\\ 23,473,\\ 86,205,4\\ 36,205,4\\ $

ency, CFDA Number, and Contract/Pass rough Award	Federal Agency / Pass Through Entity	Amount Expended
84FV9252469	Dept of Ed City of New York	Expender
84P1411477	Dept of Ed_Oakland Unified School District	63,8
Pass-Through Programs From Total		2,214,90
Department of Education Total		5,718,20
Department of Commerce		
Direct Programs		
11.431-NA11OAR4310136	National Oceanic and Atmospheric Administration	55,78
11.482-NA14NOS4820093	National Institute of Standards & Technology	13,50
11.609-60NANB11D129	National Institute of Standards & Technology	35,8
11.609-70NANB12H235	National Institute of Standards & Technology	115,7
11.609-70NANB12H273	National Institute of Standards & Technology	50,8
11.609-70NANB13H193	National Institute of Standards & Technology	428,4
11.609-70NANB14H146 Direct Programs Total	National Institute of Standards & Technology	<u>7,8</u> 708,0
-		7 7 -
Pass-Through Programs From 11.012-1311281	NOAA_Monterey Bay Aquarium Research Institute	44,6
111050-STANFORD	NOAA_Industrial Economics, Inc.	
11.417-Sub# 37071912 /PO# S9000245-NA	Dept of Commerce-California Sea Grant College	21,9
11.417-Y83440 PO# 10127282	NOAA_University of Southern California	18,4
11.472-111027	NOAA_Ocean Foundation	38,5
1157 00-Stanford	NOAA_Industrial Economics Inc	541,1
11S087-2S-1772 Project #S087-120	NOAA_Stratus Consulting, Inc	1
11Z200-2S-1845	NOAA_Stratus Consulting, Inc	72,0
Pass-Through Programs From Total	Tom_orado consuming, me	736,80
Department of Commerce Total		1,444,8
Department of Energy (DOE) Direct Programs		
ARRA		
81.135-DE-AR0000018	ARRA_Dept. of Energy	(173,3
ARRA Total		(173,3
Non-ARRA		
81.039-DE-EI0000065	Department of Energy	218,0
81.049-DE-FG02-03ER15423	Department of Energy	174,7
81.049-DE-FG02-03ER15454	Department of Energy	159,7
81.049-DE-FG02-03ER41276	Department of Energy	41,9
81.049-DE-FG02-04ER15588	Department of Energy	188,9
81.049-DE-FG02-04ER41295	Department of Energy	(
81.049-DE-FG02-04ER46163	Department of Energy	119,3
81.049-DE-FG02-06ER25726	Department of Energy	91,6
81.049-DE-FG02-07 ER15892	Department of Energy	196,0
81.049-DE-FG02-07 ER46391	Department of Energy	277,4
81.049-DE-FG02-07 ER46426	Department of Energy	186,4
81.049-DE-FG02-88ER13857	Department of Energy	259,3
81.049-DE-FG29-02AL68086	Department of Energy	52,9
81.049-DE-SC0001060	Department of Energy	3,438,2
81.049-DE-SC0001837	Department of Energy	(
81.049-DE-SC0002010	Department of Energy	236,8
81.049-DE-SC0004782	Department of Energy	180,6
81.049-DE-SC0005171	Department of Energy	1,049,8
81.049-DE-SC0005290	Department of Energy	135,1
81.049-DE-SC0005384	Department of Energy	2,8
81.049-DE-SC0005385	Department of Energy	(3,2
81.049-DE-SC0005430	Department of Energy	119,6
81.049-DE-SC0006770	Department of Energy	168,9
81.049-DE-SC0006772	Department of Energy	240,0
81.049-DE-SC0006783	Department of Energy	371,7
81.049-DE-SC0007773	Department of Energy	(11,8
81.049-DE-SC0008078	Department of Energy	16,7
81.049-DE-SC0008169	Department of Energy	164,7
81.049-DE-SC0008397	Department of Energy	516,1
81.049-DE-SC0008504	Department of Energy	97,7
81.049-DE-SC0008505	Department of Energy	279,4
81.049-DE-SC0008684	Department of Energy	170,8
81.049-DE-SC0008685	Department of Energy	216,3
81.049-DE-SC0009282	Department of Energy	136,9
81.049-DE-SC0009409	Department of Energy	83,4
81.049-DE-SC0009818	Department of Energy	465,1
81.049-DE-SC0009841	Department of Energy	1,021,93

, CFDA Number, and Contract/Pass h Award	Federal Agency / Pass Through Entity	Amount Expende
81.049-DE-SC0010412	Department of Energy	243,5
81.049-DE-SC0010511	Department of Energy	343,9
81.049-DE-SC0010546	Department of Energy	178,5
81.049-DE-SC0012012	Department of Energy	
		25,5
81.049-DE-SC0012338	Department of Energy	2
81.064-DE-FG02-84ER13251	Department of Energy	255,2
81.086-DE-EE0006550	Department of Energy	36,
81.087-DE-EE0004946	Department of Energy	5,260,6
81.087-DE-EE0005331	Department of Energy	480,7
81.087-DE-EE0005516	Department of Energy	274,1
81.087-DE-EE0005951	Department of Energy	330,9
81.087-DE-EE0005960	Department of Energy	231,0
81.087-DE-EE0006343	Department of Energy	140,7
81.087-DE-EE0006515	Department of Energy	
		57,
81.089-DE-FE0001159	Department of Energy	130,5
81.089-DE-FE0001180	Department of Energy	240,5
81.089-DE-FE0005372	Department of Energy	(2,1
81.089-DE-FE0009260	Department of Energy	185,0
81.089-DE-FE0009620	Department of Energy	150,6
81.089-DE-FE004731	Department of Energy	31,4
81.112-DE-NA0002011	Department of Energy	199,7
81.113-DE-FC52-08NA28614	Department of Energy	171,
81.113-DE-FG52-10NA29789	Department of Energy	140,2
81.124-DE-NA0002373	Department of Energy	1,457,9
81.135-DE-AR0000018	Department of Energy	700,3
81.135-DE-AR0000316	Department of Energy	350,9
81.135-DE-AR0000393	Department of Energy	271,6
81DE-EE0006646	Department of Energy	23,7
	Department of Energy	
Non-ARRA Total Direct Programs Total		<u>23,145,0</u> 22,971,7
Pass-Through Programs From		
ARRA		
81.049-209008	ARRA_DOE_University of Notre Dame	334,3
ARRA Total		334,3
Non-ARRA		
81.049-00001698 Prime DE-SC0001198	DOE_Princeton University	234,8
81.049-100540	DOE_Vista Clara Inc.	2,0
81.049-2132	 DOE_Princeton University	204,7
	-	
81.049-PO# 400030268 FAX: 518 387-431	DOE_GE Global Research	192,2
81.049-SUB 019019-STANFORD	DOE_University of California, Davis	
81.087-CX 47 031417-ZXX	DOE_Robert Bosch Corporation	191,9
81.089-3003048411	DOE_University of Michigan	15,3
81.089-351782	DOE_Battelle Memorial Institute	78,
811274569	DOE_Sandia National Laboratories	3,
81.135-RD691-G1	DOE_Georgia Institute of Technology	162,8
81.139-139-000009	DOE SRI International	20,4
	—	31,4
81169032-1	DOE_Los Alamos National Laboratories, University of California	
8117 3115-1	DOE_Los Alamos National Laboratories, University of California	113,7
81186492	DOE_Pacific Northwest National Laboratory	31,4
81215054	DOE_Pacific Northwest National Laboratory	97,7
81245760-1	DOE_Los Alamos National Laboratories, University of California	182,5
	DOE_Los Alamos National Laboratories, University of California	76,4
81 -97 4180		
81274180	DOE_Argonne National Laboratory	30,8
8127 4180 813F-30822		161,6
	DOE_Carnegie Institution of Washington	
813F-30822 814-10114-07	DOE_Carnegie Institution of Washington DOE_Lawrence Berkeley Laboratories, University of California	5.9
813F-30822 814-10114-07 816925487	DOE_Lawrence Berkeley Laboratories, University of California	
813F-30822 814-10114-07 816925487 817 058299	DOE_Lawrence Berkeley Laboratories, University of California DOE_Lawrence Berkeley Laboratories, University of California	5,0 199,4
813F-30822 814-10114-07 816925487 817058299 817073492	DOE_Lawrence Berkeley Laboratories, University of California DOE_Lawrence Berkeley Laboratories, University of California DOE_Lawrence Livermore National Laboratory	199,4 250,9
813F-30822 814-10114-07 816925487 817 058299	DOE_Lawrence Berkeley Laboratories, University of California DOE_Lawrence Berkeley Laboratories, University of California	199,4 250,9
813F-30822 814-10114-07 816925487 817058299 817073492 8179506 Prime DE-AC05-76RL01830	DOE_Lawrence Berkeley Laboratories, University of California DOE_Lawrence Berkeley Laboratories, University of California DOE_Lawrence Livermore National Laboratory	199,4
813F-30822 814-10114-07 816925487 817058299 817073492 8179506 Prime DE-AC05-76RL01830 81B591383	DOE_Lawrence Berkeley Laboratories, University of California DOE_Lawrence Berkeley Laboratories, University of California DOE_Lawrence Livermore National Laboratory DOE_Pacific Northwest National Laboratory DOE_Lawrence Livermore National Laboratory	199,4 250,9 (: 1,4
813F-30822 814-10114-07 816925487 817058299 817073492 8179506 Prime DE-AC05-76RL01830 81B591383 81B594621	DOE_Lawrence Berkeley Laboratories, University of California DOE_Lawrence Berkeley Laboratories, University of California DOE_Lawrence Livermore National Laboratory DOE_Pacific Northwest National Laboratory DOE_Lawrence Livermore National Laboratory DOE_Lawrence Livermore National Laboratory	199,4 250,9 (: 1,4 13,8
813F-30822 814-10114-07 816925487 817058299 817073492 8179506 Prime DE-AC05-76RL01830 81B591383 81B594621 81B597952	DOE_Lawrence Berkeley Laboratories, University of California DOE_Lawrence Berkeley Laboratories, University of California DOE_Lawrence Livermore National Laboratory DOE_Pacific Northwest National Laboratory DOE_Lawrence Livermore National Laboratory DOE_Lawrence Livermore National Laboratory DOE_Lawrence Livermore National Laboratory	199,4 250,5 (; 1,4 13,5 27,7
813F-30822 814-10114-07 816925487 817058299 817073492 8179506 Prime DE-AC05-76RL01830 81B591383 81B594621	DOE_Lawrence Berkeley Laboratories, University of California DOE_Lawrence Berkeley Laboratories, University of California DOE_Lawrence Livermore National Laboratory DOE_Pacific Northwest National Laboratory DOE_Lawrence Livermore National Laboratory DOE_Lawrence Livermore National Laboratory	199,4 250,4 (1,4 13,4 27,5
813F-30822 814-10114-07 816925487 817058299 817073492 8179506 Prime DE-AC05-76RL01830 81B591383 81B594621 81B597952	DOE_Lawrence Berkeley Laboratories, University of California DOE_Lawrence Berkeley Laboratories, University of California DOE_Lawrence Livermore National Laboratory DOE_Pacific Northwest National Laboratory DOE_Lawrence Livermore National Laboratory DOE_Lawrence Livermore National Laboratory DOE_Lawrence Livermore National Laboratory	199,4 250,9 (: 1,4 13,4 27,7 182,5
813F-30822 814-10114-07 816925487 817058299 817073492 8179506 Prime DE-A C05-76RL01830 81B591383 81B594621 81B504976 81B604976 81B606971	DOE_Lawrence Berkeley Laboratories, University of California DOE_Lawrence Berkeley Laboratories, University of California DOE_Lawrence Livermore National Laboratory DOE_Pacific Northwest National Laboratory DOE_Lawrence Livermore National Laboratory	$\begin{array}{c} 199.4\\ 250.5\\ (1)\\ 1.4\\ 13.4\\ 27.7\\ 182.5\\ 65.5\end{array}$
813F-30822 814-10114-07 816925487 817058299 8179506 Prime DE-AC05-76RL01830 81B591383 81B594621 81B594621 81B597952 81B606971 81B606971 81B607310	DOE_Lawrence Berkeley Laboratories, University of California DOE_Lawrence Berkeley Laboratories, University of California DOE_Lawrence Livermore National Laboratory DOE_Pacific Northwest National Laboratory DOE_Lawrence Livermore National Laboratory	$199,4 \\ 250,0 \\ (1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1$
813F-30822 814-10114-07 816925487 817058299 817073492 8179506 Prime DE-AC05-76RL01830 81B594621 81B594621 81B597952 81B604976 81B607310 81B607310 81B607867	DOE_Lawrence Berkeley Laboratories, University of California DOE_Lawrence Berkeley Laboratories, University of California DOE_Lawrence Livermore National Laboratory DOE_Pacific Northwest National Laboratory DOE_Lawrence Livermore National Laboratory	$199,4 \\ 250,0 \\ (1) \\ 1,4 \\ 13,1 \\ 27,7 \\ 182,5 \\ 126,4 \\ 40,1 \\ 19,4 \\ 19,4 \\ 19,4 \\ 19,4 \\ 10,4 $
813F-30822 814-10114-07 816925487 817058299 8179506 Prime DE-AC05-76RL01830 81B594621 81B594621 81B594621 81B597952 81B604976 81B606971 81B607310	DOE_Lawrence Berkeley Laboratories, University of California DOE_Lawrence Berkeley Laboratories, University of California DOE_Lawrence Livermore National Laboratory DOE_Pacific Northwest National Laboratory DOE_Lawrence Livermore National Laboratory	$199,4 \\ 250,0 \\ (1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1$
813F-30822 814-10114-07 816925487 817058299 817073492 8179506 Prime DE-AC05-76RL01830 81B591383 81B594621 81B597952 81B604976 81B606971 81B607310 81B607867 81P01093241	DOE_Lawrence Berkeley Laboratories, University of California DOE_Lawrence Berkeley Laboratories, University of California DOE_Lawrence Livermore National Laboratory DOE_Pacific Northwest National Laboratory DOE_Lawrence Livermore National Laboratory	199,4 250,5 (1) 1,4 13,4 27,7 182,5 65,5 126,4 40,5 (38,
813F-30822 814-10114-07 816925487 817058299 817073492 8179506 Prime DE-A C05-76RL01830 81B591383 81B594621 81B597952 81B604976 81B604976 81B607310 81B607310 81B607310 81B0193241 81P0193241 81P01397191 - Master Agr# 91880	DOE_Lawrence Berkeley Laboratories, University of California DOE_Lawrence Berkeley Laboratories, University of California DOE_Lawrence Livermore National Laboratory DOE_Pacific Northwest National Laboratory DOE_Lawrence Livermore National Laboratory DOE_Sandia National Laboratories DOE_Sandia National Laboratories	$199.4 \\ 250.5 \\ (1) \\ 1.4 \\ 13.4 \\ 27.7 \\ 182.5 \\ 65.5 \\ 126.4 \\ 40.7 \\ (38. \\ 44.5 \\ 44.5 \\ 144.5 \\ 144.5 \\ 144.5 \\ 180.5 \\$
813F-30822 814-10114-07 816925487 817058299 817058299 8179506 Prime DE-AC05-76RL01830 818591383 818594621 818594621 818604976 818607971 818607310 818607310 818607867 81PO1939211 81PO1397191 - Master Agr# 91880 81PO1997191 - Master Agr# 91880 81PO# 1189969	DOE_Lawrence Berkeley Laboratories, University of California DOE_Lawrence Berkeley Laboratories, University of California DOE_Lawrence Livermore National Laboratory DOE_Pacific Northwest National Laboratory DOE_Lawrence Livermore National Laboratory DOE_Sandia National Laboratories DOE_Sandia National Laboratories	199,4 $250,0$ (1,2) (
813F-30822 814-10114-07 816925487 817058299 817053492 8179506 Prime DE-AC05-76RL01830 81B594621 81B594621 81B597952 81B604976 81B607910 81B607867 81P0193241 81P041189969 81P0#11403975	DOE_Lawrence Berkeley Laboratories, University of California DOE_Lawrence Berkeley Laboratories, University of California DOE_Lawrence Livermore National Laboratory DOE_Pacific Northwest National Laboratory DOE_Lawrence Livermore National Laboratory DOE_Sandia National Laboratories DOE_Sandia National Laboratories DOE_Sandia National Laboratories	199,4 $250,0$ (1,2) (
813F-30822 814-10114-07 816925487 817058299 817053492 8179506 Prime DE-AC05-76RL01830 81B591383 81B594621 81B597952 81B604976 81B606971 81B607310 81B607867 81P01039241 81P01039241 81P01397191 - Master Agr# 91880 81P0# 1189969	DOE_Lawrence Berkeley Laboratories, University of California DOE_Lawrence Berkeley Laboratories, University of California DOE_Lawrence Livermore National Laboratory DOE_Pacific Northwest National Laboratory DOE_Lawrence Livermore National Laboratory DOE_Sandia National Laboratories DOE_Sandia National Laboratories	199,4 250,5 (1) 1,4 13,4 27,7 182,5 65,5 126,4 40,5 (38,

ncy, CFDA Number, and Contract/Pass ough Award	Federal Agency / Pass Through Entity	Amount Expended
81Subcontract: 276621	DOE_Los Alamos National Laboratories, University of California	53,44
81UGA-0-41028-04	DOE_National Renewable Energy Laboratory	187,9
81UGA-0-41028-05	DOE_National Renewable Energy Laboratory	2,03
81ZFT-9-99348-01	DOE_MRI_National Renewable Energy Laboratory	2,6
811134180	DOE_Sandia National Laboratories	:
811376547	DOE_Sandia National Laboratories	35,7
81Purchase Order 1385856	DOE_Sandia National Laboratories	34,2
Non-ARRA Total		3,767,90
Pass-Through Programs From Total epartment of Energy (DOE) Total		4,102,2
nvironmental Protection Agency		
Direct Programs		
66.034-XA83539001	Environmental Protection Agency	59,9
66.509-RD-83478601	Environmental Protection Agency	37,2
66.514-FP-91711101	Environmental Protection Agency	2,4
66.514-FP-91727401	Environmental Protection Agency	17,1
66.514-FP-91736301	Environmental Protection Agency	16,9
66.514-FP-91743701-0	Environmental Protection Agency	2,7
66.514-FP-91748501-0	Environmental Protection Agency	24,3
66.514-FP-91749801-0	Environmental Protection Agency	15,5
66.514-FP-9176801	Environmental Protection Agency	
66.516-83531301	Environmental Protection Agency	8
66.516-SU-83506801	Environmental Protection Agency	2,5
Direct Programs Total		179,8
Pass-Through Programs From		
66.202-137149-WRF-04370-Mitch,William	EPA_Metropolitan Water District of Southern California	25,9
66.509-1369-218-2007610	EPA_Clemson University	4,1
66.509-20090312901	EPA_University of Illinois at Urbana Champaign	18,5
66.509-Subaward 1299	EPA_Dartmouth College	23,1
Pass-Through Programs From Total nvironmental Protection Agency Total		71,8
epartment of Interior		
Direct Programs		
15.512-R12AC20005	United States Department of the Interior	116,2
15.807-G12AP20030	United States Department of the Interior	3,3
15.807-G13AP00019	United States Department of the Interior	25,4
15.807-G13AP00020	United States Department of the Interior	74,2
15.807-G14AP00038	United States Department of the Interior	10,3
15.808-G10AC00244	Geological Survey	
15.808-G11AC90020	Geological Survey	154,6
15.808-G13AC00070 Direct Programs Total	United States Department of the Interior	98,9
-		403,3
Pass-Through Programs From	Department_of_the_Interior_Fish_and_Wildlife_Service_NOAA	5,1
15.650-F14AC00214 15.808-43060987 / G12AC20038	US Geological Survey University of Southern Californa	28,0
	The National Parks Service-University of Washington	4,2
15.945-107864 15.945-107877	The National Parks Service-University of Washington	2,1
Pass-Through Programs From Total	The National Farks Service-Oniversity of washington	39,60
epartment of Interior Total		522,9
ational Aeronautics and Space Administration	on (NASA)	
Direct Programs		
Non-ARRA		
43.001-NNX09AN67G	National Aeronautics and Space Administration	76,6
43.001-NNX10AC06G	National Aeronautics and Space Administration	2
43.001-NNX10AC55G	National Aeronautics and Space Administration	167,0
43.001-NNX10AF42G	National Aeronautics and Space Administration	376,7
43.001-NNX11AB55G	National Aeronautics and Space Administration	12,1
43.001-NNX11AF08G	National Aeronautics and Space Administration	165,9
43.001-NNX11AM31A	National Aeronautics and Space Administration	(25,0
43.001-NNX11AO39G	National Aeronautics and Space Administration	1,4
43.001-NNX11AO44G	National Aeronautics and Space Administration	24,9
43.001-NNX11AO68G	National Aeronautics and Space Administration	181,6
43.001-NNX11AQ06G	National Aeronautics and Space Administration	(
43.001-NNX11AR62G	National Aeronautics and Space Administration	1,143,2
43.001-NNX12AB45G	National Aeronautics and Space Administration	25,6
43.001-NNX12AB96G	National Aeronautics and Space Administration	35,6
43.001-NNX12AE05G	National Aeronautics and Space Administration	80,8
43.001-NNX12AE48G	National Aeronautics and Space Administration	6,90

Agency,	CFDA	Number, and Contract/Pass	

r, CFDA Number, and Contract/Pass gh Award	Federal Agency / Pass Through Entity	Amount Expended
43.001-NNX12AE7 4G	National Aeronautics and Space Administration	4,57
43.001-NNX12AH05G	National Aeronautics and Space Administration	54,58
43.001-NNX12AJ99A	National Aeronautics and Space Administration	31,10
43.001-NNX12AK20G	National Aeronautics and Space Administration	12,80
43.001-NNX12AL45A	National Aeronautics and Space Administration	44,49
43.001-NNX12AN86H	National Aeronautics and Space Administration	30,00
43.001-NNX12AO25G	National Aeronautics and Space Administration	36,73
43.001-NNX12AO69G	National Aeronautics and Space Administration	29,84
43.001-NNX12AO70G	National Aeronautics and Space Administration	39,69
43.001-NNX12AO71G	National Aeronautics and Space Administration	102,90
43.001-NNX12AO7 3G	National Aeronautics and Space Administration	31,88
43.001-NNX12A078G	National Aeronautics and Space Administration	36,13
43.001-NNX12AO97G	National Aeronautics and Space Administration	62,32
43.001 NNX12AP59G	National Aeronautics and Space Administration	142,37
43.001-NNX12AP85G	National Aeronautics and Space Administration	17,80
43.001-NNX12AR29G	National Aeronautics and Space Administration	37,55
43.001-NNX13AC47 G	National Aeronautics and Space Administration	37,55 113,90
	-	
43.001-NNX13AC91G	National Aeronautics and Space Administration	331,79
43.001-NNX13AF13G	National Aeronautics and Space Administration	58,11
43.001-NNX13AF79G	National Aeronautics and Space Administration	186,84
43.001-NNX13AH72G	National Aeronautics and Space Administration	74,19
43.001-NNX13AI49G	National Aeronautics and Space Administration	98,37
43.001-NNX13AI68G	National Aeronautics and Space Administration	182,78
43.001-NNX13AK15G	National Aeronautics and Space Administration	19,29
43.001-NNX13AK39G	National Aeronautics and Space Administration	185,97
43.001-NNX13AN52H	National Aeronautics and Space Administration	30,00
43.001-NNX13A084G	National Aeronautics and Space Administration	30,66
43.001-NNX13AO87G	National Aeronautics and Space Administration	62,44
43.001-NNX13AO92G	National Aeronautics and Space Administration	54,47
43.001-NNX13AO97G	National Aeronautics and Space Administration	59,55
43.001-NNX13AP02G	National Aeronautics and Space Administration	54,60
43.001-NNX13AP23G	National Aeronautics and Space Administration	38,40
43.001-NNX13AQ98G	National Aeronautics and Space Administration	400,09
43.001-NNX14AB69A	National Aeronautics and Space Administration	69,80
43.001-NNX14AE66A	National Aeronautics and Space Administration	10,70
43.001-NNX14AG03G	National Aeronautics and Space Administration	35,29
43.001-NNX14AH08G	National Aeronautics and Space Administration	4,66
43.001 NNX14AK42G	National Aeronautics and Space Administration	3,27
43.001 NNX14A N95G	National Aeronautics and Space Administration	24,11
43.002-NBPF02801/PO #5600102866	National Aeronautics and Space Administration	(4,34
43.002-NNA07CN81A	National Aeronautics and Space Administration	9,83
43.002-NNX07 AC7 2A	National Aeronautics and Space Administration	
	-	1,10
43.002-NNX11AI41A	National Aeronautics and Space Administration	196,71
43.002-NNX11AI60A	National Aeronautics and Space Administration	350,91
43.002-NNX11AK06A	National Aeronautics and Space Administration	274,58
43.002-NNX11AR04A	National Aeronautics and Space Administration	(83
43.002-NNX13AB91A	National Aeronautics and Space Administration	10,10
43.002-NNX14AE40H	National Aeronautics and Space Administration	7,50
43.002-NNX14AG38H	National Aeronautics and Space Administration	34,33
43.003-NNX14AH52G	National Aeronautics and Space Administration	1,25
43.008-NNX12AM48H	National Aeronautics and Space Administration	22,00
43.008-NNX12AN23H	National Aeronautics and Space Administration	59,04
43.008-NNX13AL74H	National Aeronautics and Space Administration	61,55
43.009-NNX11AL52H	National Aeronautics and Space Administration	34,87
43.009-NNX11AM92H	National Aeronautics and Space Administration	59,75
43.009-NNX11AN14H	National Aeronautics and Space Administration	61,85
43.009-NNX12AC44A	National Aeronautics and Space Administration	16,17
43.009-NNX12AF69A	National Aeronautics and Space Administration	6,5
43.009-NNX12AI07G	National Aeronautics and Space Administration	29,70
43.009 NNX12AQ43G	National Aeronautics and Space Administration	152,29
43.009 NNX12AQ48G	National Aeronautics and Space Administration	198,4
	-	27,10
43.009-NNX14AF30A	National Aeronautics and Space Administration	
43.AAA-NNX09AC15G	National Aeronautics and Space Administration	8,5;
43.AAA-NNX09AG81G	National Aeronautics and Space Administration	6,1
43.AAA-NNX09AK67G	National Aeronautics and Space Administration	38,30
43.AAA-NNX09AR95G	National Aeronautics and Space Administration	89,0
43.AAA-NNX09AW13G	National Aeronautics and Space Administration	198,91
43.AAA-NNX10AE22G	National Aeronautics and Space Administration	89,45
43.AAA-NNX10AE78G	National Aeronautics and Space Administration	78
43.AAA-NNX10AM90A	National Aeronautics and Space Administration	139,68
43.AAA-NNX10AP69G	National Aeronautics and Space Administration	4
43.AAA-NNX10AP82G	National Aeronautics and Space Administration	- 1
	- and further of a decontraction	1
43.AAA-NNX10AU09G	National Aeronautics and Space Administration	:

y, CFDA Number, and Contract/Pass 1gh Award	Federal Agency / Pass Through Entity	Amount Expende
43NAS5-00147	National Aeronautics and Space Administration	2,468,1
43NAS5-02139	National Aeronautics and Space Administration	5,322,7
43NNA12AA57 P	National Aeronautics and Space Administration	42,2
Non-ARRA Total		15,133,1
Direct Programs Total		15,133,1
Pass-Through Programs From ARRA		
43XF3223200E/NNC10CA02C ARRA Total	ARRA_NASA_Lockheed Martin	(5
Non-ARRA		
43.001-12-725F-00	NASA_University of Nevada Las Vegas	48,8
43.001-1550779/ PO 1000261389	NASA_University of Colorado	38,8
43.001-1551169 PO#: 1000331220	NASA_University of Colorado	ç
43.001-3002574532	NASA_University of Michigan	94,7
43.001-44A-1092749	NASA_California Institute of Technology	73,0
43.001-49502174_PO S9000581	NASA_University of California San Diego	2,7
43.001-AR4-15013X	NASA_Smithsonian Astrophysical Observatory	31,8
43.001-GO2-13139X	NASA_Smithsonian Astrophysical Observatory	(1
43.001-GO2-13143X	NASA_Smithsonian Astrophysical Observatory	53,3
43.001-GO2-13145X	NASA_Smithsonian Astrophysical Observatory	4,4
43.001-GO3-14057A	NASA_Smithsonian Astrophysical Observatory	41,6
43.001-GO3-14089X	NASA_Smithsonian Astrophysical Observatory	32,6
43.001-GO3-14139X	NASA_Smithsonian Astrophysical Observatory	56,1
43.001-GO3-14142A	NASA_Smithsonian Astrophysical Observatory	50,3
43.001-GO4-15116A	NASA_Smithsonian Astrophysical Observatory	17,8
43.001-PF2-130094	NASA_Smithsonian Astrophysical Observatory	130,4
43.001-PF3-140130	NASA_Smithsonian Astrophysical Observatory	5,5
43.001-PG12-26786-01	NASA_University of Montana	85,8
43.001-RR100-598/4892816	NASA_University of Georgia	59,1
43.001-RR175-257-4945576	NASA_University of Georgia	42,0
43.001-SA0000341/FOAP: 57797A P3652 7	NASA_San Diego State University Research Foundation	67,7
43.001-SFI20140627	NASA_Santa Fe Institute	12,3
43.001-SPO #111499	NASA_Bay Area Environmental Research Institute	43,8
43.002-3002982701	NASA_University of Michigan	106,2
43.002-NBPF02801-1/PO#5600102866	NASA_National Space Biomedical Research Institute	27,1
431357386 Task NM0711048	NASA_Jet Propulsion Laboratory NASA_Jet Propulsion Laboratory	10/
431416721 431466596	NASA_Jet Propulsion Laboratory	10,5 14,0
431471562	NASA_Jet Propulsion Laboratory	182,
431472103	NASA_Jet Propulsion Laboratory	(1,
	NASA_Jet Propulsion Laboratory	71,1
431481912 431481914	NASA_Jet Propulsion Laboratory	58,6
431492309	NASA_Jet Propulsion Laboratory	39,
431497599	NASA_Jet Propulsion Laboratory	58,1
431503020	NASA_Jet Propulsion Laboratory	36,5
438100003279	NASA_Lockheed Missiles and Space Company, Inc.	30,0
43.AAA-399840Q	NASA_Southwest Research Institute	284,5
43HST-AR-12650.01-A	NASA_Space Telescope Science Institute	53,5
43HST-AR-12654.01-A	NASA_Cornell University	32,0
43HST-AR-12838.01-A	NASA_Space Telescope Science Institute	42,0
43HST-AR-13270.003-A	NASA_Space Telescop Science Institute	8,4
43HST-GO-12060.61-A	NASA Space Telescope Science Institute	1,2
43NWRA-09-S-125	NASA_NorthWest Research Associates	1,0
43PF0-110073	NASA_Smithsonian Astrophysical Observatory	9,5
43PO: DF3531570K	NASA_Lockheed Martin	120,8
43RSA no. 1428053	NASA_Jet Propulsion Laboratory	3,5
43RSA No. 1433865	NASA_Jet Propulsion Laboratory	1,2
43RSA no. 1439524	NASA Jet Propulsion Laboratory	
43SC-3027	NASA_SETI Institute	20,7
43Sub 8100000791 Line 6	NASA Lockheed Missiles and Space Company, Inc.	73,7
43Sub 8100003073 Line #5	NASA_Lockheed Missiles and Space Company, Inc.	273,4
Non-ARRA Total		<u> </u>
Pass-Through Programs From Total	(NARA) Total	2,533,8
ional Aeronautics and Space Administration		17,666,9
oartment of Health and Human Services (DH Direct Programs	115)	
ARRA		
ARKA 93.701-8-DGM096849Z 93.701-8-DOD006515Z	ARRA_National Institutes of Health ARRA National Institutes of Health	2,8 343,5

, CFDA Number, and Contract/Pass h Award	Federal Agency / Pass Through Entity	Amoun Expende
93.701-8-RAI092673Z	ARRA_National Institutes of Health	356,
93.701-8-RCA148491Z	ARRA_National Institutes of Health	18,9
93.701-8-RHL087917Z	ARRA_National Institutes of Health	(6,
93.701-8-RNS039325Z	ARRA_National Institutes of Health	1,4
93.701-8-RNS073015Z	ARRA_National Institutes of Health	310,4
93.701-8-RTW008781Z	ARRA_National Institutes of Health	1,155,
93.701-8-UAI057229Z	ARRA_National Institutes of Health	ł
93.715-K-RHS019738Z	ARRA_National Institutes of Health	868,
ARRA Total		3,311,7
Non-ARRA		
93.073-9-UDD001033A	National Institutes of Health	211,
93.103-6-RFD004757A	National Institutes of Health	30,
93.103-6-UFD004194A	National Institutes of Health	162,
93.103-6-UFD004257A	National Institutes of Health	50,
93.110-8-T77 MC097 96B0	Public Health Service, Health Resources and Services Administration	161,
93.157-D34HP16047B0	National Institutes of Health	551,
93.113-8-FES023293A	National Institutes of Health	42,
93.113-8-KES02147 0A	National Institutes of Health	105,
93.113-8-RES016486C	National Institutes of Health	339,
93.113-8-RES017060B	National Institutes of Health	180,
93.113-8-RES018834A	National Institutes of Health	358,
93.113-8-RES020926A	National Institutes of Health	555,
93.113-8-RES021960A	National Institutes of Health	122,
93.113-8-RES022153A	National Institutes of Health	327,0
93.113-8-RES023168A	National Institutes of Health	683,
93.113-RES023371A	National Institutes of Health	117,
93.121-8-RDE015873B	National Institutes of Health	422,
93.121-8-RDE019434A	National Institutes of Health	4 <u></u> , 120,
93.121-8-RDE021167 A	National Institutes of Health	120,
93.121-8-RDE021468B	National Institutes of Health	208,
93.121-8-RDE021683A	National Institutes of Health	340,
93.121-RDE024230A	National Institutes of Health	14,
93.121-UDE024230A 93.121-UDE024430A	National Institutes of Health	29,
93.172-8-FHG005931A	National Institutes of Health	29,
93.172-8-FHG007342A	National Institutes of Health	51,
93.172-8-KHG006452A	National Institutes of Health	68,
93.172-8-KHG007065A	National Institutes of Health National Institutes of Health	50,
93.172-8-PHG000205F	National Institutes of Health	553,
93.172-8-PHG000205G		6,227,5
93.172-8-PHG002568B	National Institutes of Health	113,9
93.172-8-PHG003389B	National Institutes of Health	824,
93.172-8-RHG003328B	National Institutes of Health	06-
93.172-8-RHG004361B	National Institutes of Health	365,
93.172-8-RHG004863A	National Institutes of Health	2,
93.172-8-RHG005058A	National Institutes of Health	83,
93.172-8-RHG005086A	National Institutes of Health	4,9
93.172-8-RHG005240A	National Institutes of Health	,
93.172-8-RHG005602A	National Institutes of Health	(3,0
93.172-8-RHG005717A	National Institutes of Health	149,
93.172-8-RHG005750A	National Institutes of Health	119,
93.172-8-RHG006018A	National Institutes of Health	426,
93.172-8-RHG006137A	National Institutes of Health	239,
93.172-8-RHG006695A	National Institutes of Health	364,
93.172-8-THG000044D	National Institutes of Health	1,456,
93.172-8-UHG001315E	National Institutes of Health	3,459,
93.172-8-UHG004558B	National Institutes of Health	(20,
93.172-8-UHG005715A	National Institutes of Health	(13,4
93.172-8-UHG007436A	National Institutes of Health	1,092,
93.172-KHG007356A	National Institutes of Health	78,
93.172-RHG003328C	National Institutes of Health	439,
93.172-RHG005855B	National Institutes of Health	370,
93.172-RHG007726A	National Institutes of Health	35,
93.172-UHG006992A	National Institutes of Health	4,176,
93.172-UHG006996A	National Institutes of Health	3,493,
93.172-UHG007036B	National Institutes of Health	467,
93.172-UHG007593A	National Institutes of Health	40/, 81,
93.172-UHG007593A 93.172-UHG007611A	National Institutes of Health	413,
93.172-046007611A 93.173-8-FDC011232A	National Institutes of Health	413,
93.173-8-FDC011232A 93.173-8-FDC013210A	National Institutes of Health	2, 56,
	National Institutes of Health National Institutes of Health	
93.173-8-FDC013240A		38,
93.173-8-FDC013721A	National Institutes of Health	35, 205,9
93.173-8-KDC011043A	National Institutes of Health	

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93.173-8-KDC013059A	National Institutes of Health	82,3
93.173-8-KDC013299A	National Institutes of Health	102,0
93.173-8-PDC010363A	National Institutes of Health	342,2
93.173-8-RDC003896F	National Institutes of Health	592,5
93.173-8-RDC004154C	National Institutes of Health	211,2
93.173-8-RDC004563D	National Institutes of Health	409,6
93.173-8-RDC005960B	National Institutes of Health	71,4
93.173-8-RDC005982C	National Institutes of Health	277,6
93.17 3-8-RDC006167 C	National Institutes of Health	224,8
93.173-8-RDC008838A	National Institutes of Health	17,5
93.173-8-RDC009590B	National Institutes of Health	187,9
93.173-8-RDC009913A	National Institutes of Health	150,0
93.173-8-RDC010075B	National Institutes of Health	223,1
93.173-8-RDC011095A	National Institutes of Health	78,9
93.173-8-RDC012183A	National Institutes of Health	107,4
93.173-8-RDC012250A	National Institutes of Health	369,7
93.173-8-RDC012505A	National Institutes of Health	106,
93.173-RDC005960C	National Institutes of Health	223,5
93.173-RDC007910B	National Institutes of Health	373,6
93.173-RDC013130A	National Institutes of Health	62,3
93.173-RDC013679A	National Institutes of Health	147,0
93.213-8-PAT006651A	National Institutes of Health	884,2
93.213-DAT007886A	National Institutes of Health	701,1
93.225-K-THS000028F	National Institutes of Health	120,0
93.226-8-KHS018558A	National Institutes of Health	148,9
93.226-8-KHS019816A	National Institutes of Health	136,8
93.226-8-KHS022192A	National Institutes of Health	57,5
	National Institutes of Health	
93.226-8-RHS018434A		318,0
93.226-8-RHS021823A	National Institutes of Health	137,0
93.226-RHS022192B	National Institutes of Health	92,
93.239-C-H9AE00101A	National Institutes of Health	1,058,
93.242-8-DMH100010A	National Institutes of Health	522,4
93.242-8-FMH086261A	National Institutes of Health	19,0
93.242-8-FMH096361A	National Institutes of Health	53,0
93.242-8-FMH096385A	National Institutes of Health	55,0
93.242-8-FMH096491A	National Institutes of Health	52,5
93.242-8-FMH098504A	National Institutes of Health	48,2
93.242-8-FMH100745A	National Institutes of Health	55,0
93.242-8-FMH100752A	National Institutes of Health	39,
93.242-8-FMH102013A	National Institutes of Health	49,
93.242-8-FMH102049A	National Institutes of Health	23,4
93.242-8-KMH074467B	National Institutes of Health	181,2
93.242-8-KMH093490A	National Institutes of Health	153,4
93.242-8-KMH097769A	National Institutes of Health	149,4
93.242-8-KMH099153A	National Institutes of Health	81,0
93.242-8-KMH101260A	National Institutes of Health	186,5
93.242-8-KMH101394A	National Institutes of Health	169,2
93.242-8-PMH086403A	National Institutes of Health	1,147,0
93.242-8-RMH050047 D	National Institutes of Health	(2,4
93.242-8-RMH051481E	National Institutes of Health	177,2
93.242-8-RMH051864E	National Institutes of Health	511,
93.242-8-RMH052804E	National Institutes of Health	401,4
93.242-8-RMH063105C	National Institutes of Health	451,7
93.242-8-RMH063394C	National Institutes of Health	(18,
	National Institutes of Health	
93.242-8-RMH064708B		1,003,
93.242-8-RMH064801B	National Institutes of Health	
93.242-8-RMH065541B	National Institutes of Health	305,
93.242-8-RMH071666C	National Institutes of Health	396,
93.242-8-RMH074849B	National Institutes of Health	643,
93.242-8-RMH075957B	National Institutes of Health	436,
93.242-8-RMH076932A	National Institutes of Health	64,
93.242-8-RMH077884A	National Institutes of Health	(
93.242-8-RMH078924A	National Institutes of Health	183,
93.242-8-RMH079978A	National Institutes of Health	59,
93.242-8-RMH080378A	National Institutes of Health	124,
93.242-8-RMH080957A	National Institutes of Health	
93.242-8-RMH083684B	National Institutes of Health	214,
93.242-8-RMH083702A	National Institutes of Health	529,0
93.242-8-RMH083972A	National Institutes of Health	450,4
93.242-8-RMH084164A	National Institutes of Health	983,0
93.242-8-RMH085899A	National Institutes of Health	30,2
93.242-8-RMH085911A	National Institutes of Health	218,0

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93.242-8-RMH086373A	National Institutes of Health	323
93.242-8-RMH086579A	National Institutes of Health	58
93.242-8-RMH087592A	National Institutes of Health	400
93.242-8-RMH087898B	National Institutes of Health	212
93.242-8-RMH091193A	National Institutes of Health	558
93.242-8-RMH091342A	National Institutes of Health	480
93.242-8-RMH092416A	National Institutes of Health	605
	National Institutes of Health	
93.242-8-RMH092809A		
93.242-8-RMH093493A	National Institutes of Health	175
93.242-8-RMH093666A	National Institutes of Health	415
93.242-8-RMH093948A	National Institutes of Health	88
93.242-8-RMH094545A	National Institutes of Health	235
93.242-8-RMH094740A	National Institutes of Health	215
93.242-8-RMH094938A	National Institutes of Health	223
93.242-8-RMH095087A	National Institutes of Health	152
93.242-8-RMH096144A	National Institutes of Health	43
93.242-8-RMH096220A	National Institutes of Health	128
93.242-8-RMH096262A	National Institutes of Health	1,044
93.242-8-RMH096779A	National Institutes of Health	129
93.242-8-RMH096815A	National Institutes of Health	841
93.242-8-RMH099469A	National Institutes of Health	104
93.242-8-RMH099555A	National Institutes of Health	375
93.242-8-RMH099594A	National Institutes of Health	490
93.242-8-RMH099797A	National Institutes of Health	224
93.242-8-RMH100387A	National Institutes of Health	148
93.242-8-RMH100717A	National Institutes of Health	129
93.242-8-RMH100900A	National Institutes of Health	553
93.242-8-RMH101281A	National Institutes of Health	223
93.242-8-RMH101495A	National Institutes of Health	559
93.242-8-RMH103116A	National Institutes of Health	284
93.242-8-TMH019908E	National Institutes of Health	254
93.242-8-TMH019938D	National Institutes of Health	
		23
93.242-8-TMH019956D	National Institutes of Health	93
93.242-8-TMH020016D	National Institutes of Health	620
93.242-FMH103949A	National Institutes of Health	:
93.242-KMH100433A	National Institutes of Health	55
93.242-KMH102428A	National Institutes of Health	2:
93.242-KMH103479A	National Institutes of Health	33
93.242-KMH103531A	National Institutes of Health	
		29
93.242-RMH080378B	National Institutes of Health	75
93.242-RMH090611B	National Institutes of Health	
93.242-RMH095837A	National Institutes of Health	409
93.242-RMH096779B	National Institutes of Health	32
93.242-RMH099630A	National Institutes of Health	269
93.242-RMH099647A	National Institutes of Health	5,154
93.242-RMH099812A	National Institutes of Health	157
93.242-RMH101373A	National Institutes of Health	103
93.242-RMH101545A	National Institutes of Health	202
93.242-RMH102638A	National Institutes of Health	
93.242-RMH104464A	National Institutes of Health	20
93.242-TMH019938E	National Institutes of Health	64
93.262-8-ROH009914A	Centers for Disease Control and Prevention	126
93.262-9-ROH009939A	National Institutes of Health	638
932634984-HHSN272200800059C	National Institutes of Health	1,05
93.273-8-FAA022832A	National Institutes of Health	34
93.273-8-KAA016340B	National Institutes of Health	53
93.273-8-KAA017168B	National Institutes of Health	210
93.273-8-RAA010723D	National Institutes of Health	650
93.273-8-RAA011147D	National Institutes of Health	222
93.273-8-RAA018681A	National Institutes of Health	29
93.273-8-RAA020980A	National Institutes of Health	294
93.273-8-UAA017923A	National Institutes of Health	188
93.273-RAA011147E	National Institutes of Health	200
93.275-8-KAA017168A	National Institutes of Health	1
93.277-8-KDA025152A	National Institutes of Health	:
93.279-8-FDA031654A	National Institutes of Health	54
93.279-8-KDA029262A	National Institutes of Health	188
93.279-8-KDA033348A	National Institutes of Health	125
93.279-8-KDA035302A	National Institutes of Health	197
93.279-8-RDA015043C	National Institutes of Health	155
93.279-8-RDA015612C	National Institutes of Health	688
93.279-8-RDA017441B	National Institutes of Health	341

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93.279-8-RDA029078A	National Institutes of Health	310,
93.279-8-RDA031698A	National Institutes of Health	198,
93.279-8-RDA031777B	National Institutes of Health	228,
93.279-8-RDA032580A	National Institutes of Health	28,
93.279-8-RDA035377A	National Institutes of Health	997,
93.279-8-RDA035503A	National Institutes of Health	431,
93.279-8-RDA036246A	National Institutes of Health	482,
	National Institutes of Health	
93.279-8-TDA035165A		276,
93.279-KDA031808A	National Institutes of Health	214,
93.279-KDA034029A	National Institutes of Health	102,
93.279-KDA036659A	National Institutes of Health	45,
93.279-KDA038112A	National Institutes of Health	15,
93.279-RDA015043D	National Institutes of Health	96,
93.279-RDA020794A	National Institutes of Health	400,
93.281-8-KMH085732A	National Institutes of Health	158,
93.281-8-KMH085919A	National Institutes of Health	122,
93.281-8-KMH092288A	National Institutes of Health	49,4
93.281-8-KMH097120A	National Institutes of Health	210,
93.281-8-KMH097822A	National Institutes of Health	83,
93.281-8-KMH099243A	National Institutes of Health	95,
93.282-8-FMH090617A	National Institutes of Health	9,
93.283-9-UDD000489B	Centers for Disease Control and Prevention	357
93.286-8-REB001988E	National Institutes of Health	451,
93.286-8-REB002524B	National Institutes of Health	
		375,
93.286-8-REB002711C	National Institutes of Health	494,
93.286-8-REB002784F	National Institutes of Health	84,
93.286-8-REB005011B	National Institutes of Health	6,
93.286-8-REB005718A	National Institutes of Health	124,
93.286-8-REB006837A	National Institutes of Health	(2,
93.286-8-REB008108B	National Institutes of Health	437,
93.286-8-REB008706A	National Institutes of Health	518,
93.286-8-REB008738C	National Institutes of Health	68,
93.286-8-REB009055B	National Institutes of Health	490,
93.286-8-REB009689A	National Institutes of Health	247,
93.286-8-REB009690A	National Institutes of Health	285,
93.286-8-REB011552A	National Institutes of Health	659,
93.286-8-REB011654A	National Institutes of Health	251,
93.286-8-REB012189A	National Institutes of Health	(
93.286-8-REB012591A	National Institutes of Health	50,
	National Institutes of Health	236
93.286-8-REB014405A		
93.286-8-REB015155A	National Institutes of Health	262,
93.286-8-REB015574A	National Institutes of Health	209,
93.286-8-REB015957A	National Institutes of Health	56,
93.286-8REB017542A	National Institutes of Health	14
93.286-8-TEB009035A	National Institutes of Health	82
93.286-8-TEB009653A	National Institutes of Health	176
93.286-KEB016059A	National Institutes of Health	88
93.286-KEB017729A	National Institutes of Health	14,
93.286-REB006745B	National Institutes of Health	406,
93.286-REB016777A	National Institutes of Health	435,
93.286-REB017616A	National Institutes of Health	185
93.286-REB017739A	National Institutes of Health	21
93.286-REB019241A	National Institutes of Health	85
93.286-TEB009035B	National Institutes of Health	21
93.307-RMD007796A	National Institutes of Health	6,
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93.310-8-DAGA44848A	National Institutes of Health	1,064,
93.310-8-DAI104557A	National Institutes of Health	598
93.310-8-DAI112193A	National Institutes of Health	226
93.310-8-DCA186569A	National Institutes of Health	145
93.310-8-DGM105448A	National Institutes of Health	248
93.310-8-DGM111003A	National Institutes of Health	552,
93.310-8-DOD003530A	National Institutes of Health	60
93.310-8-DOD003792A	National Institutes of Health	257
93.310-8-DOD003889A	National Institutes of Health	
93.310-8-DOD004411B	National Institutes of Health	(9
93.310-8-DOD004445A	National Institutes of Health	
93.310-8-DOD004690A	National Institutes of Health	7
93.310-8-DOD006409A	National Institutes of Health	605,
93.310-8-DOD006413A	National Institutes of Health	758,
93.310-8-DOD006435A	National Institutes of Health	(2,
93.310-8-DOD006457A	National Institutes of Health	(1,
93.310-8-DOD006466A	National Institutes of Health	292,
•	National Institutes of Health	483,

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93.310-8-DOD006511A	National Institutes of Health	312,6
93.310-8-DOD006740A	National Institutes of Health	615,0
93.310-8-DOD007078A	National Institutes of Health	298,7
93.310-8-DOD007265B	National Institutes of Health	585,8
93.310-8-DOD007488A	National Institutes of Health	319,9
93.310-8-DOD008167A	National Institutes of Health	916,
93.310-8-DOD008321A	National Institutes of Health	212,8
93.310-8-DOD008456A	National Institutes of Health	156,3
93.310-8-DOD008466B	National Institutes of Health	719,0
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93.310-8-DOD008509B		585,
93.310-8-DOD008647 A	National Institutes of Health	607,
93.310-8-DOD012179A	National Institutes of Health	363,
93.310-8-RAI104305A	National Institutes of Health	123,
93.310-8-RDK085720A	National Institutes of Health	605,
93.310-8-RGM099687A	National Institutes of Health	246,
93.310-8-RMH092931A	National Institutes of Health	423,0
93.310-8-RMH101782A	National Institutes of Health	175,
93.310-8-RNS076460A	National Institutes of Health	1,178,
93.310-8-RNS081703A	National Institutes of Health	512,
93.310-8-UDE023789A	National Institutes of Health	2,206,
93.310-8-UHG004028B	National Institutes of Health	3,172,
93.310-8-UTR000902A	National Institutes of Health	460,
93.310-DNS082125A	National Institutes of Health	362,
93.310-DOD003560A	National Institutes of Health	754,
93.310-DOD012119A	National Institutes of Health	549,
93.350-8-KTR001083A	National Institutes of Health	564,
93.350-8-ROD010452A	National Institutes of Health	210,
93.350-8-TTR001084A	National Institutes of Health	332,
93.350-8-UTR001085A	National Institutes of Health	5,674,
93.351-8-KRR032371B	National Institutes of Health	126,
93.351-8-SOD010344A	National Institutes of Health	524,
93.351-8-SOD010580A	National Institutes of Health	377,
93.351-8-SOD016318A	National Institutes of Health	600,
93.351-8-TOD010989C	National Institutes of Health	57,
93.351-8-TRR021816B	National Institutes of Health	207,
93.361-8-RNR013662A	National Institutes of Health	
		633,
93.389-8-KRR025743A	National Institutes of Health	41,
93.389-8-PRR009784D	National Institutes of Health	997,
93.389-8-RRR026011A	National Institutes of Health	153,
93.389-8-TRR025742A	National Institutes of Health	(7,
93.389-8-URR025744A	National Institutes of Health	745,
93.393-8-RCA067850D	National Institutes of Health	436,
93.393-8-RCA070297 D	National Institutes of Health	35,
93.393-8-RCA077808D	National Institutes of Health	(81,
93.393-8-RCA094069C	National Institutes of Health	341,
93.393-8-RCA111691B	National Institutes of Health	374,
93.393-8-RCA117794C	National Institutes of Health	354,
93.393-8-RCA125453B	National Institutes of Health	376,
93.393-8-RCA142635A	National Institutes of Health	245,
93.393-8-RCA157895A	National Institutes of Health	501,
93.393-8-RCA158516A	National Institutes of Health	391,
93.393-8-RCA161786A	National Institutes of Health	124,
93.393-8-RCA163915A	National Institutes of Health	391
93.393-8-RCA166827A	National Institutes of Health	462,,
93.393-8-RCA167104A	National Institutes of Health	147,
93.393-8-RCA169673A	National Institutes of Health	137,
93.393-8-RCA17 2145A	National Institutes of Health	272
93.393-8-RCA17 457 5A	National Institutes of Health	449
93.393-8-RCA17 8529A	National Institutes of Health	132,
93.393-8-RCA17 9011A	National Institutes of Health	295
93.393-8-UCA167551A	National Institutes of Health	1,966,
93.393-RCA077712D	National Institutes of Health	225
93.393-RCA168987B	National Institutes of Health	156,
93.394-8-PCA159992A	National Institutes of Health	1,583
93.394-8-RCA082214C	National Institutes of Health	306
93.394-8-RCA111981B	National Institutes of Health	84
93.394-8-RCA11227 0B	National Institutes of Health	331,
93.394-8-RCA1122/01 93.394-8-RCA119056A	National Institutes of Health	262,
93.394-8-RCA120474A	National Institutes of Health	54,
93.394-8-RCA121163B	National Institutes of Health	757,
93.394-8-RCA121460A	National Institutes of Health	
93.394-8-RCA128908A	National Institutes of Health	
93.394-8-RCA129927B	National Institutes of Health	195,

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93.394-8-RCA135294A	National Institutes of Health	27,
93.394-8-RCA135486A	National Institutes of Health	126,
93.394-8-RCA138353A	National Institutes of Health	185,
93.394-8-RCA138426A	National Institutes of Health	360,
93.394-8-RCA152923A	National Institutes of Health	240,0
93.394-8-RCA156124A	National Institutes of Health	(1,
93.394-8-RCA156950A	National Institutes of Health	21,
93.394-8-RCA160251A	National Institutes of Health	609,
93.394-8-RCA160986A	National Institutes of Health	333,
93.394-8-RCA161091A	National Institutes of Health	302,
93.394-8-RCA169964A	National Institutes of Health	170,
93.394-8-RCA177447A	National Institutes of Health	128,
	National Institutes of Health	
93.394-8-RCA178360A		171,
93.394-8-RCA180152A	National Institutes of Health	653,
93.394-8-UCA142555A	National Institutes of Health	440,
93.394-8-UCA176299A	National Institutes of Health	1,081,
93.394-RCA155289A	National Institutes of Health	371,
93.394-RCA176836A	National Institutes of Health	191,
93.394-RCA183659A	National Institutes of Health	7,
93.394-RCA184384A	National Institutes of Health	160,4
93.394-RCA184968A	National Institutes of Health	135,
93.394-RCA185805A	National Institutes of Health	37,
93.394-RCA186275A	National Institutes of Health	66,
93.394-UCA152737A	National Institutes of Health	
		571,
93.395-8-PCA049605E	National Institutes of Health	(7,
93.395-8-PCA049605F	National Institutes of Health	2,616,
93.395-8-PCA067166D	National Institutes of Health	1,587,
93.395-8-RCA031841H	National Institutes of Health	243,
93.395-8-RCA031845G	National Institutes of Health	235,
93.395-8-RCA131199A	National Institutes of Health	(
93.395-8-RCA133474A	National Institutes of Health	211,
93.395-8-RCA136574A	National Institutes of Health	123,
93.395-8-RCA149318A	National Institutes of Health	545,
93.395-8-RCA153587A	National Institutes of Health	(4,
93.395-8-RCA157510A	National Institutes of Health	274
93.395-8-RCA158640A	National Institutes of Health	
		113,
93.395-8-RCA1597 07 B	National Institutes of Health	44,
93.395-8-RCA159800B	National Institutes of Health	(1,
93.395-8-RCA161585A	National Institutes of Health	290,
93.395-8-RCA163441A	National Institutes of Health	379,
93.395-8-RCA177073A	National Institutes of Health	3,
93.395-RCA135109A	National Institutes of Health	7,
93.395-RCA17 6553A	National Institutes of Health	35
93.395-RCA177684A	National Institutes of Health	92,
93.395-RCA181659A	National Institutes of Health	58
93.395-UCA180816A	National Institutes of Health	24,
93.396-8-PCA139490A	National Institutes of Health	988
	National Institutes of Health	
93.396-8-RCA065237 D		205
93.396-8-RCA086017 C	National Institutes of Health	326,
93.396-8-RCA086065C	National Institutes of Health	314,
93.396-8-RCA088480C	National Institutes of Health	340,
93.396-8-RCA100225C	National Institutes of Health	333
93.396-8-RCA114102B	National Institutes of Health	259
93.396-8-RCA116606B	National Institutes of Health	372
93.396-8-RCA118750B	National Institutes of Health	309,
93.396-8-RCA125276A	National Institutes of Health	(135
93.396-8-RCA128836B	National Institutes of Health	299,
93.396-8-RCA129443A	National Institutes of Health	(3,
93.396-8-RCA129562A	National Institutes of Health	203,
93.396-8-RCA130826A	National Institutes of Health	2,
93.396-8-RCA138256A	National Institutes of Health	(28
93.396-8-RCA140875A	National Institutes of Health	364
	National Institutes of Health	261
93.396-8-RCA151623A		
93.396-8-RCA151706A	National Institutes of Health	126
93.396-8-RCA151748A	National Institutes of Health	373
93.396-8-RCA153248A	National Institutes of Health	155
93.396-8-RCA157877A	National Institutes of Health	
		353
93.396-8-RCA158528A	National Institutes of Health	353
93.396-8-RCA166894A	National Institutes of Health	305,
93.396-8-RCA17 037 8A	National Institutes of Health	487,
93.396-8-RCA171050A	National Institutes of Health	137
	National Institutes of Health	13/, 211,
93.396-8-RCA171966A		

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93.396-8-RCA17 2895A	National Institutes of Health	707,0
93.396-8-RCA175336A	National Institutes of Health	372,2
93.396-8-UCA141468A	National Institutes of Health	452,9
93.396-8-UCA151920A	National Institutes of Health	479,8
93.396-8-UCA154969A	National Institutes of Health	525,3
93.396-KCA151968B	National Institutes of Health	211,7
93.396-RCA070297 E	National Institutes of Health	174,3
93.396-RCA160384A	National Institutes of Health	416,0
93.396-RCA166517B	National Institutes of Health	137,7
		166,8
93.396-RCA17 9253A	National Institutes of Health	
93.396-RCA183654A	National Institutes of Health	26,7
93.396-RCA187822A	National Institutes of Health	17,1
93.396-RCA188863A	National Institutes of Health	6,6
93.397-8-PCA114747B	National Institutes of Health	1,735,0
93.397-8-PCA124435B	National Institutes of Health	3,066,8
93.397-8-UCA149145A	National Institutes of Health	2,109,9
93.397-8-UCA151459A	National Institutes of Health	2,417,8
93.397-UCA143836B	National Institutes of Health	1,858,5
93.398-8-FCA162919A	National Institutes of Health	41,0
93.398-8-FCA167917A	National Institutes of Health	27,9
93.398-8-FCA168059A	National Institutes of Health	34,3
93.398-8-FCA168091A	National Institutes of Health	
		39,9
93.398-8-FCA171573A	National Institutes of Health	35,0
93.398-8-FCA171789A	National Institutes of Health	32,6
93.398-8-FCA180408A	National Institutes of Health	42,7
93.398-8-FCA180415A	National Institutes of Health	34,6
93.398-8-FCA180659A	National Institutes of Health	28,3
93.398-8-KCA132916B	National Institutes of Health	90,2
93.398-8-KCA134639A	National Institutes of Health	208,
93.398-8-KCA137170A	National Institutes of Health	132,9
93.398-8-KCA140722A	National Institutes of Health	207,5
93.398-8-KCA143047A	National Institutes of Health	170,6
93.398-8-KCA15167 3A	National Institutes of Health	25,4
93.398-8-KCA160764A	National Institutes of Health	(81,0
93.398-8-KCA166186A	National Institutes of Health	164,4
93.398-8-KCA166232A	National Institutes of Health	154,0
93.398-8-KCA166512A	National Institutes of Health	(22,4
93.398-8-KCA168987A	National Institutes of Health	18,9
93.398-8-KCA175127A	National Institutes of Health	102,5
93.398-8-TCA009151H	National Institutes of Health	364,3
93.398-8-TCA009287G	National Institutes of Health	10,
93.398-8-TCA009302G	National Institutes of Health	2,
93.398-8-TCA009302H	National Institutes of Health	668,0
93.398-8-TCA009695E	National Institutes of Health	160,
93.398-8-TCA121940A	National Institutes of Health	(1,
93.398-FCA177139A	National Institutes of Health	50,9
93.398-FCA183527 A	National Institutes of Health	8,
93.398-FCA189408A	National Institutes of Health	3,7
	National Institutes of Health	7,2
93.398-FCA189659A		
93.398-KCA160834A	National Institutes of Health	21,0
93.398-KCA17 6847 A	National Institutes of Health	51,0
93.398-KCA184043A	National Institutes of Health	38,0
93.398-KCA187565A	National Institutes of Health	14,4
93.398-RCA118681B	National Institutes of Health	516,
93.398-RCA180993A	National Institutes of Health	8,
93.399-8-UCA136465A	National Institutes of Health	313,
93.822-D18HP19983A0	Public Health Service, Health Resources and Services Administration	415,8
93.837-8-FHL103193A	National Institutes of Health	(
93.837-8-FHL110473A	National Institutes of Health	(2,0
93.837-8-FHL114315A	National Institutes of Health	27,9
93.837-8-FHL115987A	National Institutes of Health	45,
93.837-8-KHL086703B	National Institutes of Health	150,
93.837-8-KHL087746A	National Institutes of Health	506,
93.837-8-KHL091143A	National Institutes of Health	116,
93.837-8-KHL091334A	National Institutes of Health	146,
93.837-8-KHL092233A	National Institutes of Health	104,4
93.837-8-KHL096842A	National Institutes of Health	107,5
93.837-8-KHL097022A	National Institutes of Health	106,
93.837-8-KHL103605A	National Institutes of Health	
		175,7
93.837-8-KHL104002B	National Institutes of Health	85,0
93.837-8-khl109212A	National Institutes of Health	24,4
93.837-8-KHL114732A	National Institutes of Health	45,
93.837-8-KHL117083A	National Institutes of Health	234,7

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93.837-8-KHL120001A	National Institutes of Health	102,4
93.837-8-RHL052141E	National Institutes of Health	367,
93.837-8-RHL065484E	National Institutes of Health	149,
93.837-8-RHL075803B	National Institutes of Health	276,
93.837-8-RHL086879B	National Institutes of Health	187,
93.837-8-RHL089116A	National Institutes of Health	(
93.837-8-RHL089448A	National Institutes of Health	117,
93.837-8-RHL089778B	National Institutes of Health	30,
93.837-8-RHL093172A	National Institutes of Health	30, 299,
93.837-8-RHL093475A	National Institutes of Health	146,
93.837-8-RHL095571A	National Institutes of Health	554,
93.837-8-RHL096015A	National Institutes of Health	737,
93.837-8-RHL097516A	National Institutes of Health	74,
93.837-8-RHL101388A	National Institutes of Health	319,
93.837-8-RHL103635A	National Institutes of Health	278,
93.837-8-RHL105299A	National Institutes of Health	285,
93.837-8-RHL109512A	National Institutes of Health	826,
93.837-8-RHL109750A	National Institutes of Health	10,
93.837-8-RHL112122A	National Institutes of Health	140,
		379
93.837-8-RHL113006A	National Institutes of Health	
93.837-8-RHL116448A	National Institutes of Health	559,
93.837-8-RHL117740A	National Institutes of Health	416,
93.837-8-THL007034G	National Institutes of Health	1,
93.837-8-THL007034H	National Institutes of Health	444,
93.837-8-THL007846C	National Institutes of Health	94
93.837-8-THL094274A	National Institutes of Health	330
93.837-8-THL098049A	National Institutes of Health	311,
93.837-8-UHL069291C	National Institutes of Health	110,
93.837-8-UHL099776A	National Institutes of Health	1,245,
93.837-8-UHL099995A	National Institutes of Health	1,243,
93.837-8-UHL099995A program income	National Institutes of Health	848,
93.837-8-UHL099999A	National Institutes of Health	1,062
93.837-8-UHL100397 A	National Institutes of Health	(96
93.837-8-UHL103629A	National Institutes of Health	2,458,
93.837-8-UHL107388A	National Institutes of Health	1,874
93.837-8-UHL108647 A	National Institutes of Health	690
93.837-8-UHL113456A	National Institutes of Health	411,
93.837-FHL115870A	National Institutes of Health	45
93.837-FHL122096A	National Institutes of Health	16,
93.837-FHL123247A	National Institutes of Health	19
93.837-FHL124883A	National Institutes of Health	5,
93.837-KHL117048A	National Institutes of Health	87
93.837-RHL089778C	National Institutes of Health	41
93.837-RHL105793B	National Institutes of Health	197
93.837-RHL109212B	National Institutes of Health	20
93.837-RHL117736A	National Institutes of Health	33
93.837-RHL117756A	National Institutes of Health	205
93.837-RHL117913A	National Institutes of Health	36,
93.837-RHL120757A	National Institutes of Health	88
93.837-RHL121977A	National Institutes of Health	40
93.838-8-KHL089989A	National Institutes of Health	209
93.838-8-KHL105884A	National Institutes of Health	142
93.838-8-KHL107450A	National Institutes of Health	142
93.838-8-PHL108797A	National Institutes of Health	2,333
93.838-8-RHL070628C	National Institutes of Health	442
93.838-8-RHL074186B	National Institutes of Health	494
93.838-8-RHL087118A	National Institutes of Health	(
93.838-8-RHL110822A	National Institutes of Health	(7)
93.838-8-RHL113294B	National Institutes of Health	459
93.838-8-RHL116307A	National Institutes of Health	567,
93.838-8-THL007948B	National Institutes of Health	(8
93.838-8-UHL107393A	National Institutes of Health	2,290
93.838-RHL118612A	National Institutes of Health	212
93.838-RHL122918A	National Institutes of Health	89
93.839-8-FHL115963A	National Institutes of Health	50
93.839-8-KHL113104A	National Institutes of Health	84
93.839-8-PHL075462B	National Institutes of Health	1,988
93.839-8-RHL058770C	National Institutes of Health	228
93.839-8-RHL064274C	National Institutes of Health	729
93.839-8-RHL075826C	National Institutes of Health	253
93.839-8-RHL092096A	National Institutes of Health	-55
93.839-8-RHL096113A	National Institutes of Health	248,
93.839-8-RHL097561B	National Institutes of Health	357.
93.839-8-RHL106023A	National Institutes of Health	920
93.839-8-RHL114591A	National Institutes of Health	622,

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93.839-8-THL007952C	National Institutes of Health	137,
93.839-FHL119059A	National Institutes of Health	3,
93.839-KHL119590A	National Institutes of Health	5,
93.839-THL120824A	National Institutes of Health	9,
93.846-8-FAR061230A	National Institutes of Health	32,
93.846-8-FAR063508A	National Institutes of Health	61,
93.846-8-KAR056736A	National Institutes of Health	(1,
	National Institutes of Health	
93.846-8-KAR059760A		27,
93.846-8-KAR061414A	National Institutes of Health	(78,0
93.846-8-KAR062068A	National Institutes of Health	154,
93.846-8-KAR064732A	National Institutes of Health	107,
93.846-8-R7AR42236D	National Institutes of Health	54,
93.846-8-RAR039421D	National Institutes of Health	201,
93.846-8-RAR042527 F	National Institutes of Health	265,
93.846-8-RAR043799C	National Institutes of Health	(
93.846-8-RAR043799D	National Institutes of Health	413,
93.846-8-RAR045192C	National Institutes of Health	153,-
	National Institutes of Health	309,
93.846-8-RAR046786C		
93.846-8-RAR047223C	National Institutes of Health	143
93.846-8-RAR049737B	National Institutes of Health	110,
93.846-8-RAR052784C	National Institutes of Health	369,
93.846-8-RAR054780B	National Institutes of Health	471,
93.846-8-RAR055650B	National Institutes of Health	392,
93.846-8-RAR055914A	National Institutes of Health	652,
93.846-8-RAR057837B	National Institutes of Health	392,
93.846-8-RAR059861B	National Institutes of Health	59-,
	National Institutes of Health	1-
93.846-8-RAR059942B		15,
93.846-8-RAR061297A	National Institutes of Health	201,
93.846-8-RAR062262B	National Institutes of Health	51,
93.846-8-RAR062359A	National Institutes of Health	13,
93.846-8-RAR062765A	National Institutes of Health	118,
93.846-8-RAR063676A	National Institutes of Health	342
93.846-8-RAR063963A	National Institutes of Health	726,
93.846-8-TAR007422G	National Institutes of Health	163
93.846-8-TAR050942B	National Institutes of Health	275
	National Institutes of Health	2/3
93.846-8-UAR045583B		-6
93.846-8-UAR052158B	National Institutes of Health	76,
93.846-KAR062595B	National Institutes of Health	13,
93.846-KAR065480A	National Institutes of Health	6,
93.846-RAR045192D	National Institutes of Health	101,
93.846-RAR049737C	National Institutes of Health	71,
93.846-RAR054458C	National Institutes of Health	395,
93.846-RAR063643A	National Institutes of Health	350,
93.846-RAR063717A	National Institutes of Health	381,
93.846-RAR063876A	National Institutes of Health	161,
		101,
93.847-7 R25DK07838209	National Institutes of Health	
93.847-8-FDK089643A	National Institutes of Health	3,
93.847-8-FDK093191A	National Institutes of Health	25,
93.847-8-FDK096702A	National Institutes of Health	57,
93.847-8-FDK096765A	National Institutes of Health	49
93.847-8-FDK099017A	National Institutes of Health	32,
93.847-8-KDK083505B	National Institutes of Health	164,
93.847-8-KDK084206B	National Institutes of Health	129
93.847-8-KDK085446A	National Institutes of Health	97:
93.847-8-KDK087895A	National Institutes of Health	106,
93.847-8-KDK087937A	National Institutes of Health	130
93.847-8-KDK088877A	National Institutes of Health	125
93.847-8-KDK088942A	National Institutes of Health	254,
93.847-8-KDK089086A	National Institutes of Health	170
93.847-8-KDK091359A	National Institutes of Health	156,
93.847-8-KDK093709A	National Institutes of Health	138
93.847-8-KDK094868A	National Institutes of Health	140,
93.847-8-KDK095914A	National Institutes of Health	163,
93.847-8-KDK096048A	National Institutes of Health	122
93.847-8-KDK097181A	National Institutes of Health	135
93.847-8-KDK097279A	National Institutes of Health	133
93.847-8-KDK097308A	National Institutes of Health	188
93.847-8-PDK056339B	National Institutes of Health	(9
	National Institutes of Health	
93.847-8-RDK031450I		613
93.847-8-RDK060715B	National Institutes of Health	13,
93.847-8-RDK063158C	National Institutes of Health	378,
93.847-8-RDK074095D	National Institutes of Health	283,0
93.847-8-RDK078424B	National Institutes of Health	499
93.847-8-RDK079215A	National Institutes of Health	79,

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93.847-8-RDK082537A	National Institutes of Health	385,4
93.847-8-RDK085025A	National Institutes of Health	381,
93.847-8-RDK088136A	National Institutes of Health	351,
93.847-8-RDK090065B	National Institutes of Health	495,
93.847-8-RDK090181A	National Institutes of Health	493, 248,
	National Institutes of Health	
93.847-8-RDK090992A		1,218,
93.847-8-RDK091565A	National Institutes of Health	355,
93.847-8-RDK091831A	National Institutes of Health	607,4
93.847-8-RDK092241A	National Institutes of Health	505,3
93.847-8-RDK092421A	National Institutes of Health	390,
93.847-8-RDK092509A	National Institutes of Health	690,
93.847-8-RDK094521A	National Institutes of Health	9,0
93.847-8-RDK095024A	National Institutes of Health	362,8
93.847-8-RDK096038A	National Institutes of Health	371,
93.847-8-RDK096087B	National Institutes of Health	312,8
93.847-8-RDK098143A	National Institutes of Health	72,
93.847-8-RDK099800A	National Institutes of Health	356,
93.847-8-TDK007056H	National Institutes of Health	288,
93.847-8-TDK007217H	National Institutes of Health	197,4
93.847-8-TDK007357F	National Institutes of Health	186,
93.847-8-UDK061042B	National Institutes of Health	502,
93.847-8-UDK078123A	National Institutes of Health	
93.847-8-UDK085527A	National Institutes of Health	481,
93.847-8-UDK089532A	National Institutes of Health	761,
93.847-FDK094541A	National Institutes of Health	28,
93.847-FDK101211A		
	National Institutes of Health	15,
93.847-FDK102301A	National Institutes of Health	11,
93.847-KDK090145B	National Institutes of Health	156,
93.847-KDK101693A	National Institutes of Health	73,
93.847-PDK103093A	National Institutes of Health	31,
93.847-RDK037332F	National Institutes of Health	296,
	National Institutes of Health	- yo, 321,
93.847-RDK043743E		
93.847-RDK078382C	National Institutes of Health	74,
93.847-RDK100619A	National Institutes of Health	27,
93.847-TDK098132A	National Institutes of Health	12,
93.847-UDK061042C	National Institutes of Health	78,
93.853-8-FNS062615A	National Institutes of Health	
93.853-8-FNS07 3353A	National Institutes of Health	46,
	National Institutes of Health	4°, 31,
93.853-8-FNS074712A		
93.853-8-FNS076222A	National Institutes of Health	10,
93.853-8-FNS077623A	National Institutes of Health	(3,
93.853-8-FNS078813A	National Institutes of Health	33,
93.853-8-FNS078814A	National Institutes of Health	27,
93.853-8-FNS07 8865A	National Institutes of Health	35,
93.853-8-FNS083135A	National Institutes of Health	50
93.853-8-FNS083508A	National Institutes of Health	49,
93.853-8-FNS086253A	National Institutes of Health	36,
93.853-8-KNS069617A	National Institutes of Health	143,
93.853-8-KNS075097A	National Institutes of Health	111,
93.853-8-KNS078118A	National Institutes of Health	49,
93.853-8-KNS085333A	National Institutes of Health	197,
	National Institutes of Health	
93.853-8-PNS023724E		(3,
93.853-8-PNS023724F	National Institutes of Health	1,331,
93.853-8-PNS069375A	National Institutes of Health	760,4
93.853-8-REB017611A	National Institutes of Health	219,
93.853-8-RNS006477J	National Institutes of Health	293,
93.853-8-RNS025372F	National Institutes of Health	188,
93.853-8-RNS028471F	National Institutes of Health	607,
93.853-8-RNS034774E	National Institutes of Health	372
93.853-8-RNS034950E	National Institutes of Health	(
93.853-8-RNS038653C	National Institutes of Health	182,
93.853-8-RNS039110C	National Institutes of Health	352,
93.853-8-RNS039579C	National Institutes of Health	225
	National Institutes of Health	
93.853-8-RNS040276C		271,
93.853-8-RNS045684C	National Institutes of Health	35
93.853-8-RNS045727C	National Institutes of Health	424
93.853-8-RNS046789B	National Institutes of Health	
93.853-8-RNS046789C	National Institutes of Health	430
93.853-8-RNS047607B	National Institutes of Health	702,
93.853-8-RNS047715B	National Institutes of Health	1
93.853-8-RNS047715C	National Institutes of Health	254,
93.853-8-RNS048392B	National Institutes of Health	208,
93.853-8-RNS048425C	National Institutes of Health	16,
93.853-8-RNS048425D	National Institutes of Health	363,
93.853-8-RNS050223C	National Institutes of Health	109,

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93.853-8-RNS050835B	National Institutes of Health	180,0
93.853-8-RNS053898B	National Institutes of Health	347,8
93.853-8-RNS055997A	National Institutes of Health	(5,3
93.853-8-RNS056222B	National Institutes of Health	221,4
93.853-8-RNS058784B	National Institutes of Health	495,6
93.853-8-RNS060897A	National Institutes of Health	203,6
93.853-8-RNS062798A	National Institutes of Health	(65,4
93.853-8-RNS064136A	National Institutes of Health	453,6
93.853-8-RNS064517A	National Institutes of Health	153,8
93.853-8-RNS065317B	National Institutes of Health	266,50
93.853-8-RNS065741A	National Institutes of Health	129,8
93.853-8-RNS065787A	National Institutes of Health	202,4
93.853-8-RNS066311A	National Institutes of Health	179,10
93.853-8-RNS066506A	National Institutes of Health	
93.853-8-RNS066506B	National Institutes of Health	330,0
		88,6
93.853-8-RNS067066B	National Institutes of Health	
93.853-8-RNS067132A	National Institutes of Health	346,1
93.853-8-RNS070698A	National Institutes of Health	38,7
93.853-8-RNS071221A	National Institutes of Health	15,5
93.853-8-RNS072406A	National Institutes of Health	438,4
93.853-8-RNS072942A	National Institutes of Health	290,6
93.853-8-RNS073498A	National Institutes of Health	458,5
93.853-8-RNS073691A	National Institutes of Health	342,2
	National Institutes of Health	
93.853-8-RNS074130A		(5,6
93.853-8-RNS075136B	National Institutes of Health	197,9
93.853-8-RNS075209A	National Institutes of Health	652,4
93.853-8-RNS075252A	National Institutes of Health	483,5
93.853-8-RNS076756A	National Institutes of Health	544,4
93.853-8-RNS076860A	National Institutes of Health	447,3
93.853-8-RNS076948A	National Institutes of Health	93,2
93.853-8-RNS077906A	National Institutes of Health	768,6
93.853-8-RNS078396A	National Institutes of Health	453,3
93.853-8-RNS078571A	National Institutes of Health	239,8
93.853-8-RNS079582A	National Institutes of Health	224,9
93.853-8-RNS080062A	National Institutes of Health	173,6
93.853-8-RNS080177A	National Institutes of Health	344,0
93.853-8-RNS080954A	National Institutes of Health	399,2
93.853-8-RNS081507A	National Institutes of Health	207,0
93.853-8-RNS082644A	National Institutes of Health	425,8
93.853-8-RNS082894A	National Institutes of Health	267,5
93.853-8-RNS083417A	National Institutes of Health	395,9
93.853-8-TNS007280F	National Institutes of Health	178,8
93.853-8-UNS058929B	National Institutes of Health	459,0
93.853-8-UNS073581A	National Institutes of Health	64,5
93.853-8-UNS086487A	National Institutes of Health	267,7
93.853-FNS087860A	National Institutes of Health	15,
	National Institutes of Health	
93.853-KNS070926A		(44,4
93.853-KNS085324A	National Institutes of Health	24,7
93.853-KNS087086A	National Institutes of Health	29,0
93.853-RNS034950F	National Institutes of Health	390,0
93.853-RNS042842D	National Institutes of Health	597,
93.853-RNS065317C	National Institutes of Health	245,
93.853-RNS081089A	National Institutes of Health	292,2
93.853-RNS082208A	National Institutes of Health	308,:
93.853-RNS084396A	National Institutes of Health	372,
93.853-RNS084412A	National Institutes of Health	199,
93.853-RNS085812A	National Institutes of Health	317,
93.853-RNS086085A	National Institutes of Health	28,
93.853-RNS086564A	National Institutes of Health	53,
93.853-RNS087491A	National Institutes of Health	51,9
93.855-8-FAI081448A	National Institutes of Health	
93.855-8-FAI098584A	National Institutes of Health	41,
93.855-8-FAI104227A	National Institutes of Health	50,
93.855-8-FAI108089A	National Institutes of Health	62,
93.855-8-FAI108211A	National Institutes of Health	46,
93.855-8-KAI07 9268A	National Institutes of Health	27,:
93.855-8-KAI07 9406A	National Institutes of Health	2,5
93.855-8-KAI080945A	National Institutes of Health	148,
93.855-8-KAI084582A	National Institutes of Health	148,
93.855-8-KAI091688A	National Institutes of Health	107,8
93.855-8-KAI097239A	National Institutes of Health	112,
93.855-8-KAI097322A	National Institutes of Health	126,
93.855-8-KAI104401A	National Institutes of Health	146,
93.855-8-RAI008619H	National Institutes of Health	1,4
93.855-8-RAI017892G	National Institutes of Health	507,9

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93.855-8-RAI020459G	National Institutes of Health	412,0
93.855-8-RAI021144F	National Institutes of Health	(531,2
93.855-8-RAI021423F	National Institutes of Health	340,2
93.855-8-RAI022039F	National Institutes of Health	420,6
93.855-8-RAI022511F	National Institutes of Health	286,9
93.855-8-RAI024258F	National Institutes of Health	355,6
93.855-8-RAI031168D	National Institutes of Health	521,7
93.855-8-RAI037683C	National Institutes of Health	1,9
	National Institutes of Health	
93.855-8-RAI041769D		169,9
93.855-8-RAI044142E	National Institutes of Health	288,3
93.855-8-RAI047365C	National Institutes of Health	213,8
93.855-8-RAI048540C	National Institutes of Health	(1,4
93.855-8-RAI051321B	National Institutes of Health	
93.855-8-RAI051321C	National Institutes of Health	375,9
93.855-8-RAI053724B	National Institutes of Health	15,4
93.855-8-RAI053846B	National Institutes of Health	4,2
93.855-8-RAI066922A	National Institutes of Health	235,8
93.855-8-RAI068577A	National Institutes of Health	(9
93.855-8-RAI068581B	National Institutes of Health	466,6
	National Institutes of Health	332,4
93.855-8-RAI069000B		
93.855-8-RAI069164A	National Institutes of Health	(4,2
93.855-8-RAI071068B	National Institutes of Health	471,6
93.855-8-RAI07 37 24A	National Institutes of Health	155,7
93.855-8-RAI073756B	National Institutes of Health	676,8
93.855-8-RAI077599A	National Institutes of Health	280,8
93.855-8-RAI077737A	National Institutes of Health	5,5
93.855-8-RAI07 8947 A	National Institutes of Health	181,5
93.855-8-RAI083628A	National Institutes of Health	334,7
93.855-8-RAI083757A	National Institutes of Health	295,0
	National Institutes of Health	
93.855-8-RAI085024A		129,7
93.855-8-RAI085268A	National Institutes of Health	565,5
93.855-8-RAI085575A	National Institutes of Health	316,9
93.855-8-RAI087917A	National Institutes of Health	442,6
93.855-8-RAI089722A	National Institutes of Health	442,2
93.855-8-RAI091798B	National Institutes of Health	68,4
93.855-8-RAI093625A	National Institutes of Health	(6,4
93.855-8-RAI094887A	National Institutes of Health	3,
93.855-8-RAI095396A	National Institutes of Health	365,4
93.855-8-RAI097320A	National Institutes of Health	360,7
93.855-8-RAI097633A	National Institutes of Health	28,0
93.855-8-RAI098519A	National Institutes of Health	263,
	National Institutes of Health	1,279,0
93.855-8-RAI099245A		
93.855-8-RAI100121A	National Institutes of Health	375,
93.855-8-RAI102260A	National Institutes of Health	(52,9
93.855-8-RAI102546A	National Institutes of Health	402,
93.855-8-RAI102792A	National Institutes of Health	196,
93.855-8-RAI103500A	National Institutes of Health	466,
93.855-8-RAI104230A	National Institutes of Health	115,
93.855-8-RAI108376A	National Institutes of Health	72,
93.855-8-TAI007290F	National Institutes of Health	1,084,
93.855-8-TAI007328F	National Institutes of Health	315,
93.855-8-TAI007502D	National Institutes of Health	235,4
93.855-8-TAI052073B	National Institutes of Health	-33,-
	National Institutes of Health	
93.855-8-TAI078896A		114,5
93.855-8-UAI069556A	National Institutes of Health	349,
93.855-8-UAI082719A	National Institutes of Health	561,
93.855-8-UAI090019A	National Institutes of Health	3,018,
93.855-8-UAI090905A	National Institutes of Health	467,
93.855-8-UAI101984B	National Institutes of Health	301,
93.855-8-UAI104209A	National Institutes of Health	2,006,
93.855-8-UAI104342A	National Institutes of Health	570,
93.855-FAI110055A	National Institutes of Health	12,
93.855-KAI104411B	National Institutes of Health	, 99,
93.855-KAI106941A	National Institutes of Health	
		14,
93.855-KAI108358A	National Institutes of Health	164,
93.855-KAI110528A	National Institutes of Health	34,
93.855-KAI110645A	National Institutes of Health	23,
93.855-R7AI38972E	National Institutes of Health	2,
93.855-RAI021144G	National Institutes of Health	511,
93.855-RAI021423G	National Institutes of Health	255,
93.855-RAI036929E	National Institutes of Health	-33,
93.855-RAI068581C	National Institutes of Health	219,
93.855-RAI099506A	National Institutes of Health	247,
93.855-RAI102277A	National Institutes of Health	198,
93.855-RAI103722A	National Institutes of Health	84,4

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93.855-RAI103867 A	National Institutes of Health	229
93.855-RAI107082A	National Institutes of Health	185
93.855-RAI108906A	National Institutes of Health	57
93.855-UAI057229C	National Institutes of Health	754
93.855-UAI067068C	National Institutes of Health	678
93.855-UAI109662A	National Institutes of Health	1,300
93.855-UAI110491A	National Institutes of Health	104
93.856-8-TAI007328E	National Institutes of Health	3
93.856-8-UAI057229B	National Institutes of Health	2,020
	National Institutes of Health	
93.859-8-FGM097837A		25
93.859-8-FGM099248A	National Institutes of Health	39
93.859-8-FGM099442A	National Institutes of Health	64
93.859-8-FGM100677A	National Institutes of Health	35
93.859-8-FGM100727A	National Institutes of Health	25
93.859-8-FGM100732A	National Institutes of Health	62
93.859-8-FGM101747A	National Institutes of Health	49
93.859-8-FGM103071A	National Institutes of Health	49
93.859-8-FGM103124A	National Institutes of Health	51
93.859-8-FGM103165A	National Institutes of Health	38
93.859-8-FGM103288A	National Institutes of Health	53
93.859-8-FGM105227A	National Institutes of Health	49
93.859-8-FGM105288A	National Institutes of Health	51
93.859-8-FGM105319A	National Institutes of Health	53
93.859-8-FGM106620A	National Institutes of Health	38
93.859-8-FGM108295A	National Institutes of Health	36
93.859-8-KGM088033A	National Institutes of Health	1,156
93.859-8-KGM098880A	National Institutes of Health	120
93.859-8-KGM100273A	National Institutes of Health	222
93.859-8-KGM102288A	National Institutes of Health	
93.859-8-KGM104148A	National Institutes of Health	
		43
93.859-8-PGM066275B	National Institutes of Health	1,184
93.859-8-PGM099130A	National Institutes of Health	2,140
93.859-8-PGM106990A	National Institutes of Health	1,430
93.859-8-PGM107615A	National Institutes of Health	2,010
93.859-8-PRR001209G	National Institutes of Health	2,40
93.859-8-R7 GM41455E	National Institutes of Health	
93.859-8-RGM027738I	National Institutes of Health	374
93.859-8-RGM030179G	National Institutes of Health	227
93.859-8-RGM032506I	National Institutes of Health	634
93.859-8-RGM033049H	National Institutes of Health	(3
93.859-8-RGM033049I	National Institutes of Health	475
93.859-8-RGM033289H	National Institutes of Health	709
		(3
93.859-8-RGM035527G	National Institutes of Health	
93.859-8-RGM036659G	National Institutes of Health	905
93.859-8-RGM037706H	National Institutes of Health	733
93.859-8-RGM040392G	National Institutes of Health	377
93.859-8-RGM045374F	National Institutes of Health	653
93.859-8-RGM046383G	National Institutes of Health	249
93.859-8-RGM048729E	National Institutes of Health	248
93.859-8-RGM049243E	National Institutes of Health	303
93.859-8-RGM049831E	National Institutes of Health	
93.859-8-RGM049985F	National Institutes of Health	70
93.859-8-RGM051266F	National Institutes of Health	8
93.859-8-RGM051426E	National Institutes of Health	280
93.859-8-RGM053804D	National Institutes of Health	33
93.859-8-RGM056169D	National Institutes of Health	(1
93.859-8-RGM056433C	National Institutes of Health	7
93.859-8-RGM056433D	National Institutes of Health	350
93.859-8-RGM057 035E	National Institutes of Health	693
93.859-8-RGM059823C	National Institutes of Health	189
93.859-8-RGM061050D	National Institutes of Health	360
93.859-8-RGM061986D	National Institutes of Health	
93.859-8-RGM062480C	National Institutes of Health	377
93.859-8-RGM062868C	National Institutes of Health	297
93.859-8-RGM063702C	National Institutes of Health	110
93.859-8-RGM063817 D	National Institutes of Health	299
93.859-8-RGM064798B	National Institutes of Health	•
93.859-8-RGM067 268C	National Institutes of Health	247
93.859-8-RGM068122C	National Institutes of Health	31
93.859-8-RGM068886B	National Institutes of Health	254
93.859-8-RGM069630C	National Institutes of Health	204 519
93.859-8-RGM073046B	National Institutes of Health	344
93.859-8-RGM073059C	National Institutes of Health	210
	National Institutes of Health	93
93.859-8-RGM074074B 93.859-8-RGM074728B	National Institutes of Health	255

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93.859-8-RGM074874B	National Institutes of Health	529,8
93.859-8-RGM079719B	National Institutes of Health	486,5
93.859-8-RGM080501B	National Institutes of Health	374,9
93.859-8-RGM083118B	National Institutes of Health	646,6
93.859-8-RGM085437A	National Institutes of Health	3
93.859-8-RGM085437B	National Institutes of Health	310,6
93.859-8-RGM086196B	National Institutes of Health	477,9
93.859-8-RGM086579A	National Institutes of Health	(1
93.859-8-RGM086587B	National Institutes of Health	515,5
93.859-8-RGM086632A	National Institutes of Health	236,8
93.859-8-RGM086663A	National Institutes of Health	75,1
93.859-8-RGM086884A	National Institutes of Health	130,8
93.859-8-RGM087 292A	National Institutes of Health	(70,8
93.859-8-RGM087609A	National Institutes of Health	151,0
93.859-8-RGM087934D	National Institutes of Health	5
93.859-8-RGM087934E	National Institutes of Health	518,1
93.859-8-RGM089926A	National Institutes of Health	38,0
	National Institutes of Health	174,9
93.859-8-RGM089933A		
93.859-8-RGM089985B	National Institutes of Health	219,2
93.859-8-RGM092925A	National Institutes of Health	296,1
93.859-8-RGM093628A	National Institutes of Health	595,3
93.859-8-RGM095555A	National Institutes of Health	247,9
93.859-8-RGM095653A	National Institutes of Health	301,4
93.859-8-RGM095948A	National Institutes of Health	493,0
93.859-8-RGM097 015A	National Institutes of Health	252,5
93.859-8-RGM097 081A	National Institutes of Health	257,9
93.859-8-RGM097171A	National Institutes of Health	418,7
93.859-8-RGM097463A	National Institutes of Health	533,9
93.859-8-RGM098582A	National Institutes of Health	434,0
93.859-8-RGM098600B	National Institutes of Health	292,5
	National Institutes of Health	
93.859-8-RGM098734A		169,2
93.859-8-RGM100315A	National Institutes of Health	332,6
93.859-8-RGM100366A	National Institutes of Health	636,1
93.859-8-RGM100489A	National Institutes of Health	251,6
93.859-8-RGM100953A	National Institutes of Health	445,8
93.859-8-RGM101430A	National Institutes of Health	646,0
93.859-8-RGM102365A	National Institutes of Health	
		291,7
93.859-8-RGM102484A	National Institutes of Health	267,6
93.859-8-RGM102498A	National Institutes of Health	300,1
93.859-8-RGM102519A	National Institutes of Health	249,9
93.859-8-RGM102716A	National Institutes of Health	58,6
93.859-8-RGM103316A	National Institutes of Health	487,0
93.859-8-RGM103787A	National Institutes of Health	346,4
93.859-8-RGM105024A	National Institutes of Health	187,6
93.859-8-RGM106005A	National Institutes of Health	207,8
93.859-8-RGM107340A	National Institutes of Health	464,5
93.859-8-TGM007276H	National Institutes of Health	932,
93.859-8-TGM007365I	National Institutes of Health	1,272,5
93.859-8-TGM007790G	National Institutes of Health	(1
93.859-8-TGM007790H	National Institutes of Health	429,3
93.859-8-TGM008294F	National Institutes of Health	272,7
93.859-8-TGM008412D	National Institutes of Health	296,4
93.859-8-TGM089626A	National Institutes of Health	236,0
93.859-8-TGM096982A	National Institutes of Health	163,4
93.859-8-UGM072970B	National Institutes of Health	1,725,9
93.859-FGM108325A	National Institutes of Health	47,2
93.859-FGM109650A	National Institutes of Health	
		25,6
93.859-FGM109675A	National Institutes of Health	11,
93.859-RGM035527 H	National Institutes of Health	604,9
93.859-RGM051266G	National Institutes of Health	138,8
93.859-RGM052022D	National Institutes of Health	92,7
93.859-RGM052022E	National Institutes of Health	115,5
93.859-RGM053804E	National Institutes of Health	164,8
93.859-RGM061374C	National Institutes of Health	3,299,2
93.859-RGM061986E	National Institutes of Health	23,4
93.859-RGM068717C	National Institutes of Health	503,5
93.859-RGM079641B	National Institutes of Health	356,5
93.859-RGM093628B	National Institutes of Health	253,5
93.859-RGM095346A	National Institutes of Health	179,3
93.859-RGM104148B	National Institutes of Health	118,5
93.859-RGM106067A	National Institutes of Health	17,5
93.859-RGM106159A	National Institutes of Health	344,2
93.859-RGM110275A	National Institutes of Health	13,9
93.859-UGM102098A	National Institutes of Health	362,0
93.859-UGM110706A	National Institutes of Health	137,1

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93.865-8-FHD061204A	National Institutes of Health	1
93.865-8-FHD062185A	National Institutes of Health	56
93.865-8-FHD067154A	National Institutes of Health	39
93.865-8-FHD072627A	National Institutes of Health	50
93.865-8-FHD075577A	National Institutes of Health	47
93.865-8-FHD078051A	National Institutes of Health	54
93.865-8-KHD068400B	National Institutes of Health	120
93.865-8-KHD070972A	National Institutes of Health	134
93.865-8-KHD071971A	National Institutes of Health	138
93.865-8-KHD074652A	National Institutes of Health	15
93.865-8-KHD07 47 43A	National Institutes of Health	-50
93.865-8-KHD076165A	National Institutes of Health	90
93.865-8-RHD049653B	National Institutes of Health	610
93.865-8-RHD059205A	National Institutes of Health	593
93.865-8-RHD063142A	National Institutes of Health	712
93.865-8-RHD065690A	National Institutes of Health	527
93.865-8-RHD067511B	National Institutes of Health	405
93.865-8-RHD068981A	National Institutes of Health	58
93.865-8-RHD069150A	National Institutes of Health	608
93.865-8-RHD069162A	National Institutes of Health	404
93.865-8-RHD070795A	National Institutes of Health	660
93.865-8-RHD071259A	National Institutes of Health	244
93.865-8-RHD071446A	National Institutes of Health	120
93.865-8-RHD072282A	National Institutes of Health	160
93.865-8-RHD073095A	National Institutes of Health	118
93.865-8-RHD073772A	National Institutes of Health	205
93.865-8-RHD075359A	National Institutes of Health	359
93.865-8-RHD075761A	National Institutes of Health	138
93.865-8-RHD076367A	National Institutes of Health	335
93.865-8-RHD076839A	National Institutes of Health	809
93.865-8-RHD079095A	National Institutes of Health	58
93.865-8-THD007249F	National Institutes of Health	266
93.865-8-UHD027880E	National Institutes of Health	35
93.865-8-UHD041908B	National Institutes of Health	(10
93.865-8-UHD068158A	National Institutes of Health	1,710
93.865-8-UHD068268A	National Institutes of Health	307
93.865-FHD071755A	National Institutes of Health	49
93.865-KHD079545A	National Institutes of Health	1
93.865-KHD079557A	National Institutes of Health	46
93.865-RHD047520B	National Institutes of Health	836
93.865-RHD080553A	National Institutes of Health	50
93.866-33-4135-10-Stanford-3	National Institute of Aging_National Bureau of Economic Research	10
93.866-8-FAG032199A	National Institutes of Health	2
93.866-8-FAG035521A	National Institutes of Health	32
93.866-8-FAG040877A	National Institutes of Health	28
93.866-8-FAG040885A	National Institutes of Health	
93.866-8-FAG043232A	National Institutes of Health	35
93.866-8-FAG043235A	National Institutes of Health	38
93.866-8-KAG037593A	National Institutes of Health	12
93.866-8-KAG041764A	National Institutes of Health	82
93.866-8-KAG042491A	National Institutes of Health	6
93.866-8-KAG042858A	National Institutes of Health	171
93.866-8-PAG017253C	National Institutes of Health	319
93.866-8-PAG024957B	National Institutes of Health	405
93.866-8-PAG036695A	National Institutes of Health	1,38
93.866-8-RAG008816E	National Institutes of Health	530
93.866-8-RAG009521E	National Institutes of Health	475
93.866-8-RAG017919B	National Institutes of Health	
93.866-8-RAG020961B	National Institutes of Health	262
93.866-8-RAG025016C	National Institutes of Health	58
93.866-8-RAG025941B	National Institutes of Health	
		37
93.866-8-RAG026291C	National Institutes of Health	680
93.866-8-RAG029124A	National Institutes of Health	
93.866-8-RAG030209A	National Institutes of Health	170
93.866-8-RAG031198A	National Institutes of Health	15
93.866-8-RAG033747A	National Institutes of Health	508
93.866-8-RAG034639A	National Institutes of Health	- 3
93.866-8-RAG037968A	National Institutes of Health	341
93.866-8-RAG038771A	National Institutes of Health	54- 1
93.866-8-RAG039099A	National Institutes of Health	236
93.866-8-RAG039345A	National Institutes of Health	298
93.866-8-RAG039350A	National Institutes of Health	140
93.866-8-RAG039420A	National Institutes of Health	474
an OCC O DACe states A	National Institutes of Health	169
93.866-8-RAG041112A	National Institutes of Realth	103

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h Award	Federal Agency / Pass Through Entity	Expend
93.866-8-RAG044815A	National Institutes of Health	199
93.866-8-RAG045098A	National Institutes of Health	75
93.866-KAG044428A	National Institutes of Health	75
93.866-KAG047280A	National Institutes of Health	40
93.866-RAG045753A	National Institutes of Health	55
93.866-RAG047671A	National Institutes of Health	3
93.866-UAG042143A	National Institutes of Health	491
93.867-8-FEY020040A	National Institutes of Health	11
93.867-8-FEY021389A	National Institutes of Health	-
93.867-8-FEY022294A	National Institutes of Health	53
93.867-8-FEY 023125A 93.867-8-REY 008411E	National Institutes of Health National Institutes of Health	44
		191 13
93.867-8-REY 010257 D 93.867-8-REY 011310D	National Institutes of Health National Institutes of Health	(82
93.867-8-REY011916E		212
	National Institutes of Health	
93.867-8-REY012114D	National Institutes of Health	307
93.867-8-REY014924C	National Institutes of Health	320
93.867-8-REY015000C	National Institutes of Health	221
93.867-8-REY015790C	National Institutes of Health	385
93.867-8-REY016240B	National Institutes of Health	6
93.867-8-REY018608A	National Institutes of Health	1
93.867-8-REY018608B	National Institutes of Health	908
93.867-8-REY018875B	National Institutes of Health	475
93.867-8-REY019179A	National Institutes of Health	108
93.867-8-REY019279A	National Institutes of Health	285
93.867-8-REY019429B	National Institutes of Health	51
93.867-8-REY020609A	National Institutes of Health	77
93.867-8-REY022146A	National Institutes of Health	57
93.867-8-REY022318A	National Institutes of Health	533
93.867-8-REY022638A	National Institutes of Health	269
93.867-8-REY022933A	National Institutes of Health	502
93.867-8-REY023259A	National Institutes of Health	407
93.867-8-TEY020485A	National Institutes of Health	118
93.867-FEY023518A	National Institutes of Health	38
93.867-REY002858J	National Institutes of Health	468
93.867-REY011310E	National Institutes of Health	27
93.867-REY017992C	National Institutes of Health	278
93.867-REY021271B	National Institutes of Health	285
93.867-REY023915A	National Institutes of Health	66
93.867-REY024243A	National Institutes of Health	17
93.879-8-RLM005652D	National Institutes of Health	178
93.879-8-RLM009719A	National Institutes of Health	(
93.879-8-RLM010673A	National Institutes of Health	380
93.879-8-RLM011369A	National Institutes of Health	355
93.879-8-TLM007033G	National Institutes of Health	812
93.946-9-UDP003785A	National Institutes of Health	416
93.969-UB4HP19049A0	Public Health Service, Health Resources and Services Administration	436
93.989-8-RTW009510A	National Institutes of Health	220
93.999-8-UCA154209A	National Institutes of Health	498
93HHSA2902012000031/AHR80978	Agency for Healthcare Research and Quality	1,221
93HHSA2902012000031/AHR80978HR	Agency for Healthcare Research and Quality	141
93HHSA290201200003I	Agency for Healthcare Research and Quality	12
93HHSA290201200003I-TO#3	Agency for Healthcare Research and Quality	674
93HHSF223201210194C	Food And Drug Administration	1,094
93HHSN268201000034C-03	National Institutes of Health	(7
93HHSN268201000034C-05	National Institutes of Health	2,171
93HHSN268201000034C-07	National Institutes of Health	43
93HHSN268201100003C	National Institutes of Health	842
93HHSN268201100003C-9	National Institutes of Health	877
93HHSN271201200728P	National Institutes of Health	54
93HHSN271201300674P	National Institutes of Health	83
93HHSN271201400389P	National Institutes of Health	108
93HHSN268201300006C	National Institutes of Health	1,281
Non-ARRA Total		366,963
Direct Programs Total		370,275
Pass-Through Program		
ARRA		
93641.02916/PO# 11YMT10038	ARRA_AHRQ_American Institutes for Research	3
93.701-713872Z-1,1RC4MD005964-01	ARRA_NIH_University Of Washington	2
93.701-98 STANFORD ADNI-GO	ARRA_NIH_University of California, San Diego	33
93.715-217197 1R01HS019371-01	ARRA_NIH_Massachusetts General Hospital	6
93.715-737951Z	ARRA_AHRQ_University of Washington	23
93.728-2010-03958-07	ARRA_NIH_University of Illinois at Urbana Champaign	118
		188

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Non-ARRA		
93.047 -VUMC 40520	NIH_Vanderbilt University	106,
93.067-5U2GPS001935-04	NIH_Pathfinder International	1,
93.067-5U2GPS001935-05	DHHS_Pathfinder International	37,
93.077-8132sc	NIH_University of California, San Francisco	102
93.077-Subaward # 7277sc-1	NIH_University of California, San Francisco	82,
93.077-Subaward #7277sc	NIH_University of California, San Francisco	6,
93080-19000-Z65401	NIH_Thomas Jefferson University	(
93.085-Grant # 7 ORIIR140006-01-00	DHHS_Universite de Montreal	19,
9310009050-05Capitated	NIH_University of Utah	191,
93.103-109257	FDA_ORISE/Oak Ridge Institute for Science and Education	
93106187	CMS_National Council on Aging	4,
93.107-7307sc01	HRSA_University of California, San Francisco	31,
93.110-CIBDIX2012STAN-1-1	HRSA_Center for Inherited Blood Disorders	38,
93.110-M12A11224 (A09273)	NIH_Yale University	3,
93.113-00006237; PO# 1586552	NIH_University of California, Berkeley	(15,
93.113-00007 269,PO# BB00056307	NIH_University of California, Berkeley	12,
93.113-00008025/PO# BB00090569	NIH_University of California, Berkeley	23,
93.113-1005	NIH_Dartmouth College	75
93.113-5041161-A03	NIH_Harvard University	119,
93.113-Sub 00007 204 PO# BB00074350	NIH_University of California, Berkeley	25,
93.113-Sub 08271,1P01ES022849-01	NIH_University of California, Berkeley NIH Dartmouth College	163
93.113-Subaward 1246		12,
93.121-1R21DE021400-01	NIH_The Hospital for Sick Children	(
93.121-RES507621-1	NIH_Case Western Reserve University	81,
9316ZB-8002-STANFORD 93.172-0255-6421-4609	NIH_Northern California Cancer Center NIH ICAHN School of Medicine at Mount Sinai	5
93.172-0255-0421-4009 93.172-12-743	NIH_Arizona State University	98 43
	NIH_University of Cambridge	
93.172-2R01Hg004834-03/RG60870 93.172-5410521-5500000646	NIH_Broad Institute Inc	107,
	NIH Jackson Laboratory	31 252
93.172-PO # 201145, 5U41HG002273-13 93.172-PO# 202889	NIH_Jackson Laboratory	252 267,
93.172-F0# 202889 93.172-Subaward # 0255-6422-4609	NIH_Jackson Laboratory NIH ICAHN School of Medicine at Mount Sinai	207, 40
93.17 2-Subaward # 0255-0422-4009 93.17 2-Subaward # 5159 / PO# S1963169	NIH_Rutgers University	40 84
93.17 2-Subaward # 51597 F0# 51903109 93.17 2-Subaward # 5410417-5500000515	NIH_Rutgers University NIH Broad Institute Inc.	23
93.17 2-Subaward # 5410417-5500000515 93.17 2-Subaward # 63519-9681	NIH_Cornell University	180
93.17 2-Subaward 6241sc	NIH_University of California, San Francisco	70
93.17 2-Subaward 0241sc 93.17 2-WA00133057/RFS2014047	NIH_University of Massachusetts Worcester	99,
93.17 2-WA0013305//KFS201404/ 93.17 3-1R01DC011321-02/PO#WX00222584	NIH_Research Institute at Nationwide Childrens Hospital	3
		3 (1
93.173-1R01DC011321-02/Ref # 719111 93.173-GOTOL0195A_STAN-3	NIH_Research Institute at Nationwide Childrens Hospital NIH_The Oregon Health Sciences University	
93.17 3-GOTOL0195A_51AN-3 93.17 3-GOTOL0195C	NIH_The Oregon Health Sciences University	5 58
93.184-CIBDIX2011CDC-STAN-2-1	CDC_Center for Inherited Blood Disorders	3,
93.184-CIBDIX2011CDC-STAN-2-1 93.184-CIBDIX2011CDC-STAN-3	CDC_Center for Inherited Blood Disorders	3, 17,
	NIH_Cancer Prevention Institute of California	28
931UM1CA164920-01A1-STANFORD	CDC_America's Health Insurance Plans	20
93200-2002-00732-Activity D		00
93200-2012-52155 PO# 003148102	CDC_Association of American Medical Colleges	99
932004-1436-1,2010-2518	NIH_University of California, Irvine	3
93203-9335	NIH_Duke University	
93.213-PO 2909519,Subaward 560251	NIH_University of Pennsylvania	1
93.213-Subaward 6647 sc	NIH_University of California, San Francisco	92
93.226-3RT21	AHRQ_University of New Mexico	2
93.226-5-31348-2	AHRQ_University of North Carolina	19
93.226-6145-STANFORD/R01HS018413	AHRQ_Parkinson's Institute	
93.226-PO #5014162179 / VUMC 38167	AHRQ_Vanderbilt University	16
93.233-2803209-S104/ PO#120650	NIH_California Pacific Medical Center Research Institute	(17
93.233-303-4615/5R01HL096492-02	NIH_Duke University	41
93.233-Sub#2803209-S104-5, PO# 120650	NIH_California Pacific Medical Center Research Institute	112
93.233-ZEJ0003-01	NIH_Palo Alto Institute for Research Education	21
93.242-103731	NIH_University of Pittsburgh	5
93.242-13-A1-00-001337	NIH_New York University	29
93.242-153084/152699	NIH_University of Texas Health Sciences Center	
93.242-2000761303	NIH_The Johns Hopkins University	17
93.242-2001799972	NIH_Johns Hopkins University	44
93.242-201119895-01	NIH_University of California, Davis	63
93.242-6115sc	NIH_University of California, San Francisco	3
93.242-6115sc/R01MH083784-01	NIH_University of California, San Francisco	6
93.242-6115sc-3	NIH_University of California, San Francisco	9
93.242-ETK0001-01	NIH_Palo Alto Institute for Research Education	62
93.242-ETK0004-01	NIH_Palo Alto Institute for Research Education	36
93.242-FP045988-A-01	NIH_University of Chicago	34
93.242-N003113001- A01	NIH_University Of Minnesota	30
93.242-PO# 32394887-002	NIH_University of California, San Diego	16
93.242-S9000039-001-1	NIH_University of California, San Diego	37
, , , , , , , , , , , , , , , , , , ,	NIH_Georgia State University	65

FDA Number, and Contract/Pass Ward	Federal Agency / Pass Through Entity	Amoun Expende
93.242-Subaward # 2000G QH7 55	NIH_University of California, Los Angeles	9,
93.242-SUBAWARD FP046983-B	NIH_University of Chicago	450,
93.242-Subaward FP046983-B-2	NIH_University of Chicago	(31,
93.242 Subaward 11040903 B 2 93.242-WU-12-284-MOD-4; PO # 2917 864T	NIH_Washington University in St. Louis	161,
93.242-WU-12-264-MOD-4, 10# 291/8641 93.242-WU-14-54-MOD-1/PO 29227 05X	NIH_Washington University in St. Louis	298,
93.242-YES0058-01		
	NIH_Palo Alto Institute for Research Education	21,
93.273-10318359-Sub 003	NIH_University of California, San Diego	28,
93.273-15-000002 5R01AA005965-27	NIH_SRI International	
93.273-51000284-21	NIH_SRI International	
93.273-51000284-23	NIH_SRI International	128,
93.273-51-000975-11	NIH_SRI International	164,
93.273-51-001225-2	NIH_SRI International	45,
93.273-51001225-3	NIH_SRI International	62,
93.273-51-001277	NIH SRI International	2,
93.273-51-001277-1	NIH_SRI International	188,
	NIH_University of Pittsburgh	136,
93.279-0035564 (122937-2)		
93.279-0254-7665-4609-2	NIH_ICAHN School of Medicine at Mount Sinai	148,
93.279-0254-7666-4609	NIH_ICAHN School of Medicine at Mount Sinai	261,
93.279-1550989 & PO#1000292326	NIH_University of Colorado	2,
93.279-2012-2792; DA030538	NIH_University of California, Irvine	42,
93.279-431677-19751	NIH_Virginia Tech	37,
93.279-701-5530	NIH_Rhode Island Hospital	7,
	NIH_University of California, San Francisco	
93.279-7550sc		13,
93.279-CLA0033-01	NIH_Palo Alto Institute for Research Education	12,
93.279-FP055145	NIH_University of Chicago	99:
93.279-Grant # 4R01DA03005-04	NIH_Lund University	94.
93.279-PO: BB0021400 SUBAWD: 00007924	NIH_University of California, Berkeley	40,
93.286-106022-001 POSR00003212	NIH_University of Maryland, Baltimore	27,
93.286-4R44EB015910-02	NIH_Triple Ring Technologies, Inc.	24,
93.286-5714sc/R01-EB009756	NIH University of California, San Francisco	65
	NIH University of California, San Francisco	217,
93.286-7099SC	- , ,	
93.286-7783SC	NIH_University of California, San Francisco	67
93.286-G134-12-W3698	NIH_Montana State University	96
93.286-K000688-00-S04	NIH_Kitware Inc	46,
93.286-PO # 1484277	NIH_Indiana University	81,
93.286-UF-EIES-1002032-SFU	NIH_University of Florida	51
933002721967	NIH_University of Michigan	
93.307-559697-1, PO# 3050191	NIH_University of Pennsylvania	19,
93.307-559697-1, PO# 3172663	NIH_University of Pennsylvania	7,
93.307-720611-02	NIH_Research Institute at Nationwide Childrens Hospital	8,
	NIH_Palo Alto Institute for Research Education	39,
93.307-PEV0012-01		
93.307-PO#BB00092282, Sub # 00007419	NIH_University of California, Berkeley	82,
93.307 -Subaward # 4-0257 -1	NIH_Palo Alto Medical Foundation for Health Care, Research and Education	170,
93.307 -Subaward 7354sc-2	NIH_University of California, San Francisco	5
93.310-152175.5041015.0412	NIH_Harvard University	118,
93.310-ED-8767-69-ST	NIH_University of Geneva	
93.310-REL0028-01	NIH_Palo Alto Institute for Research Education	5
93.310-Subaward Ref # ED-9697-ST	NIH_University of Geneva	176,
93.339-0026512 (407902-2)	NIH_University of Pittsburgh	1/0,
93.339-0026512 (409135-4)	NIH_University of Pittsburgh	14,
93.350-757070	NIH_University Of Washington	267,
93.361-12094251/54441/00000093	NIH_University of Texas MD Anderson Cancer Center	215
93.393-115-9228-01,Maryam Asgari	NIH_Kaiser Foundation Research Institute	162
93.393-1R01CA13863801A2-STANFORD	NIH_Northern California Cancer Center	16,
93.393-217238/219923	NIH_Massachusetts General Hospital	189
93.393-217 238-A03	NIH_Massachusetts General Hospital	3
	NIH_The University of North Carolina at Chapel Hill	334,
93.393-5-31886-5		
93.393-66971EM177250	NIH_University of Miami	8
93.393-66971EPO# M177250	NIH_University of Miami	22,
93.393-PO 63289802	NIH_Mayo Clinic	197,
93.393-PO# 6132422 / RFS900194	NIH_University of Massachusetts Worcester	10,
93.393-PO# BD515965	NIH_Memorial Sloa Kettering Cancer Center	111,
93.393-RX 4442-021-SU	NIH Georgetown University	200
93.393-RX 4442-021-SU-A03	NIH_Georgetown University	20
93.393-RX 4442-042-SU-TF	NIH_Georgetown University	11
93.393-Subaward # 3003080504	NIH_University of Michigan	25
93.393-Subaward 2357 0-114080-3	NIH_Harvard Foundation	63
93.393-Subcontract 115-9481 / 0747-01	NIH_Kaiser Permanente	41,
93.393-WU-14-98, PO# 2922958X	NIH_Washington University in St. Louis	9
93.394-130205	NIH_University of Texas Southwestern Medical Center Dallas	60,
93.394-130205 93.394-222723	NIH Massachusetts General Hospital	143
93.394-5-50496; R33CA173373-01	NIH_The Scripps Research Institute	57
93.394-57109-11967-STU-02	NIH_Sanford Burnham Medical Research Institute	57,
93.394-7529sc; R01CA166655-01A1	NIH_University of California, San Francisco	80,

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93.394-8057 sc	NIH_University of California, San Francisco	15,6
93.394-PO# 62990873	NIH_Mayo Clinic	5,7
93.394-Subaward # 130205	NIH_University of Texas Southwestern Medical Center	(8,6
93.394-Subaward 2001359289	NIH_The Johns Hopkins University	4,9
93.394-Subaward 2001359289-A2	NIH_The Johns Hopkins University	83,70
93.395-0000778961-211014	NIH_The Fred Hutchinson Cancer Research Center	10,0
93.395-110068150-7527556-1	NIH_St. Jude Children's Research Hospital	44,74
93.395-111287190-7522140	NIH_St. Jude Children's Research Hospital NIH_University of Sydney	9,0 100,1
93.395-2010-01834-A03 93.395-564467	NIH University of Pennsylvania	5,6
93.395-785107	NIH The Fred Hutchinson Cancer Research Center	13,9
93.395-Agreement # 1004031_Stanford	NIH_The Oregon Health Sciences University	12,1
93.395-CTEP, CA-32102	NIH_University of Michigan	26,7
93.395-FP00013013_SUB527_01	NIH_Children's Hospital of Philadelphia	34,8
93.395-P002051902	NIH_University Of Minnesota	143,5
93.395-P002052101	NIH_University Of Minnesota	257,6
93.395-PO # 2905776	NIH_University of Pennsylvania	1
93.395-PO 9607 12-RSUB	NIH_Children's Hospital of Philadelphia	14,1
93.395-PO 961090_RSUB	NIH_Children's Hospital of Philadelphia	6,1
93.395-R41CA174089	NIH_Sonitrack Systems	145,5
93.395-SPO 2327 2	NIH_Eastern Cooperative Oncology Group	3,9
93.395-STU036HW-05-05-06	NIH_Frontier Science & Technology Research Foundation NIH_National Surgical Adjuvant Breast and Bowel Project	41,6
93.395-TFED36-336/U10CA12027 93.395-U10 CA21661	NIH_American College of Radiology	1,5 52,0
	NIH Wayne State University	(12,7
93.395-WSU09042 93.396-01026917; 01026135;U01CA141457	NIH Beth Israel Deaconess Medical Center	8,1
93.397-0000782751/PO# 751998	NIH_The Fred Hutchinson Cancer Research Center	122,3
93.397-2001406617	NIH_Johns Hopkins University Hospital	122,3
93.397-34382520- A00	NIH_University of Southern California	11,3
93.397-44694930-A00	NIH_University of Southern California	807,1
93.397-5410352-5500000465	NIH Broad Institute, Inc.	
93.397-5410353-5500000575	NIH_Broad Institute, Inc.	84,8
93.397-5710003535	NIH_Massachusetts Institute of Technology	19,8
93.397-6; 1U54CA168512-01	NIH_Sarcoma Alliance for Research through Collaboration	(5,1
9352222sc	NIH_University of California, San Francisco	69,1
935222sc,HHSN267200700005C	NIH_University of California, San Francisco	(3,4
935222sc,HHSN26720070005C	NIH_University of California, San Francisco	()
9360032317 SU	NIH_Northwestern University	10,2
9361-000768-A09	DHHS_SRI International	218,7
93.701-42895-1,2	ARRA_NIH_University of Chicago	
93.701-Sub 19393 Prime 3U10CA098543	ARRA_NIH_National Childhood Cancer Foundation	(1
93.704-106458-3; 5U54LM008748-09	NIH_Brigham and Women's Hospital	8,5
937106sc/HHSN268200536166C	NIH_University of California, San Francisco	42,5
93.734-38760	Administration_for_Community_Living_National Council on Aging	10,4
937500108142,T31P751 937500108142,Y1,Option7	NIH_Northrop-Grumman Corporation NIH_Northrop-Grumman Corporation	237,3 286,2
937500108142-4,Y1	NIH_Northrop-Grumman Corporation	857,6
93.837-0000772587;5R01HL05065	NIH_The Fred Hutchinson Cancer Research Center	35,8
93.837-0000800560; 5R01HL105065-04	NIH_The Fred Hutchinson Cancer Research Center	7,9
93.837-0019568 (121718-16)	NIH_University of Pittsburgh	1,5
93.837-050154B, PO:SR00003367	NIH_University of Maryland, Baltimore	18,8
93.837-10032531-02	NIH_University of Utah	1,4
93.837-1063304-100-DAAHF	NIH_Duke University	7,6
93.837-1063304-100-DAAHF 563460	NIH_University of Pennsylvania	119,4
93.837-12_7822_Stanford-1	NIIH_Childrens Hospital and Research Center at Oakland	80,1
93.837-15350004-0068	NIH_Methodis Hospital Research Institute	111,4
93.837-15350004-0068/PO R000042447	NIH_Methodis Hospital Research Institute	486,2
93.837-1550766, PO# 1000257830	NIH_University of Colorado	380,
93.837-2000 G QH7 54	NIH_University of California, Los Angeles	35,
93.837-32750558; \$9000091-001	NIH_University of California, San Diego	98,4
93.837-3RN04	NIH_University of New Mexico	11,5
93.837-4-0757	NIH_Palo Alto Medical Foundation for Health Care, Research and Education	3,0
93.837-561160-2	NIH_University of Pennsylvania	290,0
93.837-561745 / PO #3167502	NIH_University of Pennsylvania	29,
93.837-60029331 SU-A02	NIH_Northwestern University	11,
93.837-63374271	NIH_Mayo Clinic	24,
93.837-ACARD0165_A	NIH_The Oregon Health Sciences University	(38,5
93.837-GPEDC0036A	NIH_The Oregon Health Sciences University	164,0
93.837-NS 2006-037	NIH_University of Toledo	(90,
93.837-PO#0000536762-A3	NIH_Childrens Hospital Boston	15,5
93.837-PO10302058-004	NIH_University of California, San Diego	68,2
93.837-PO 3067 438,Sub 561458	NIH_University of Pennsylvania	83,0
	NIH_University of Maryland, Baltimore	94,7
93.837-PO# SR00002970; U01HL05198 93.837-Proj # 26-C-10500-NY UPG-100422	NIH_New York University	40,3

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93.837-SR00002155	NIH_University of Maryland, Baltimore	(22
93.837-SR00002306-ADM01	NIH_University of Maryland, Baltimore	(10,73
93.837-SR00002714; 5U01HL099997-04	NIH_University of Maryland, Baltimore	(83,50
93.837-SR00002735/7830-Year 2	NIH_University of Maryland, Baltimore	73,57
93.837-Sub 563490,PO 3241836	NIH_University of Pennsylvania	60,83
93.837-Subaward 4-0753	NIH_Palo Alto Medical Foundation for Health Care, Research and Education	84,67
93.837-Subaward 5-30139-4	NIH_The University of North Carolina at Chapel Hill	(15,39
93.837-Subaward 5-30139-5	NIH_University of North Carolina	22,32
93.837-Subaward 7829, SR00002714-01	NIH_University of Maryland, Baltimore	408,46
93.837-Subaward No .203-9502	NIH_Duke University	6,13
93.837 -Subaward PO # SR00002754	NIH_University of Maryland Baltimore	6,44
93.837-Subaward PO# SR00002590	NIH_University of Maryland, Baltimore	(78
93.837-U01 HL68270	NIH_New England Research Institute	145,42
93.837-VUMC38778; CFDA 93.837	NIH_Vanderbilt University	25,86
93.837-VUMC39957	NIH_Vanderbilt University	21,09
93.838-2001290422;5P50HL0844946-05	NIH_The Johns Hopkins University	36,63
93.838-60028806 SU A02	NIH_Northwestern University	7,80
93.838-7553sc;U01HL108713	NIH_University of California, San Francisco	59,88
93.838-NIM0003-01	NIH_Palo Alto Institute for Research Education	10,7
93.838-P.O.# 63166282	NIH_Mayo Clinic	2,17
93.838-PO#63514588-2, 5U01HL108712-03	NIH_Mayo Clinic	82,04
93.838-Subcontract 2009-02-MA	NIH_Palo Alto Medical Foundation for Health Care, Research and Education	7,72
93.839-#0102	NIH_National Marrow Donor Program	(9:
93.839-111448050-7519405-3	NIH_St. Jude Children's Research Hospital	13,96
93.839-PO # BD516017	NIH_Memorial Sloan-Kettering Cancer Center	42,57
93.839-Prot Rider #0302	NIH_National Marrow Donor Program	:
93.839-Protocol # 07 01	NIH_National Marrow Donor Program	1,25
93.839-PROTOCOL RIDER 0402	NIH_National Marrow Donor Program	23,14
93.839-Sub#10819SU01, 5R01HL105770-03	NIH_Blood Systems Research Institute	30,5
93.839-Subaward # 8044sc	NIH_University of California, San Francisco	98,60
93.845-Subaward # 4500001481	NIH_Boston University	6,05
93.846-000411679-001	NIH_University Of Alabama In Birmingham	14,1
93.846-000411679-001; 5R01AR062376-02	NIH_University Of Alabama In Birmingham	3
93.846-105015-2	NIH_Brigham and Women's Hospital	32,6
93.846-201976841	NIH_The Johns Hopkins University	40,0
93.846-280201005-S171, PO#28000000294	NIH_California Pacific Medical Center Research Institute	24,6
93.846-3002873317	NIH_University of Michigan	135,6
93.846-Subaward 108808-01	NIH_Cincinnati Children's Hospital Medical Center	(2,1:
93.846-Subaward 108808-2	NIH_Cincinnati Children's Hospital Medical Center	30,00
93.846-Subaward 701-5401-A1	NIH_Rhode Island Hospital	(48,94
93.846-Subaward 701-5401-A2	NIH_Rhode Island Hospital	181,18
93.846-Subaward No. 7015401	NIH_Rhode Island Hospital	73,6
93.847-110164	NIH_Academic Pediatric Association	19,9
93.847-115-9238-02;CN-09JLo-CI-SU	NIH_Kaiser Permanente	4
93.847-1U44NS073157-01A1	NIH_Balance Therapeutics, Inc.	(5,1
93.847-2001612959	NIH_The Johns Hopkins University	21,6
93.847-2001774373	NIH_The Johns Hopkins University	130,8
93.847-24020-2	NIH_Georgia Health Sciences University	
93.847-25732-15	NIH_Georgia Regents University	85,3
93.847-3002206578	NIH_University of Michigan	33,9
93.847-364K626	NIH_University of Wisconsin Madison	(4)
93.847-547100 Prime 1 R01 DK076653-01	NIH_Tulane University	
93.847-550K410	NIH_University of Wisconsin Madison	7,5
93.847-557212-559333	NIH_University of Pennsylvania	37,3
93.847-562197	NIH_University of Pennsylvania	209,9
93.847-562528	NIH_University of Pennsylvania	10,9
93.847-7525;PO-SR00002093	NIH_University of Maryland, Baltimore	4,6
93.847-9920140128	NIH_Rand Corporation	11,1
93.847-APEDI0535_STANFORD	NIH_The Oregon Health Sciences University	411,3
93.847-Purchase Order 5008766-SERV	NIH_Tufts Medical Center Inc	110,4
93.847 - Purchase Order 5008766-SERV-2	NIH_Tufts Medical Center Inc	26,7
93.847-R01 DK085591-01	NIH_Jaeb Center for Health Research	241,1
93.847-Subaward # 2001774373	NIH Johns Hopkins University Hospital	(3,8
93.847-Subaward 222912	NIH_Massachusetts General Hospital	323,7
93.847-VUM37012	NIH Vanderbilt University	28,4
93.847-VUMC 40520-1	NIH_Vanderbilt University	332,4
93.849-04-0034/5U01 DK066143	NIH_Children's Mercy Hospital	2,8
93.853-008822-Adm-Albers	NIH_University of Cincinnati	31,4
93.853-10496SUB; R01NS065818	NIH_Seattle Children's Hospital	(1,6
	-	
93.853-2000 G RF7 47	NIH_University of California, Los Angeles	16,6
93.853-221621	NIH_Massachusetts General Hospital	57,3
93.853-3002877834-BPT	NIH_University of Michigan	7,0
93.853-3002881481-SHN	NIH_University of Michigan	31,0
93.853-3002882501-PNT/1U01NS062835-01	ARRA_NIH_University of Michigan	9,14
93.853-500506Stanford- 3/PO GRT-4472	NIH_Feinstein Institute for Medical Research	

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93.853-500506STANFORD-2	NIH_The Feinstein Institute for Medical Research	(25,10
93.853-733937 - 5R01NS06507 0	NIH_University Of Washington	1,1
93.853-733937; 5R01NS065070-04	NIH_University Of Washington	(38
93.853-A09014M10A10546	NIH_Y ale University	6
93.853-A09394 M10A10546 22157	NIH_Y ale University	11,0
93.853-N000936929/1U01NS062091-01A2	NIH_University Of Minnesota	20,20
93.853-PO 2001976901	NIH_The Johns Hopkins University	10,8
93.853-PO# 3250714, Subaward 557646	NIH_University of Pennsylvania	170,69
93.853-PO# M174551,1R01NS080145-01	NIH_University of Miami	129,24
93.853-SP0014984-PROJ0003851	NIH_Northwestern University	75,19
93.853-Subaward 5527 sc	NIH University of California, San Francisco	64,6
93.853-T096596	NIH Emory University	218,6
93.853-U01 NS062851-03; 20007 34644	NIH_The Johns Hopkins University	18,94
	NIH_The Johns Hopkins University	18,92
93.853-U01 NS062851-05; 20007 34644 93.853-UF12079; 00093183		
	NIH_University of Florida	1,78
93.853-UFDSP00010169	NIH_University of Florida	52,5
93.853-ZHW0034-01	NIH_Palo Alto Institute for Research Education	22,95
93.855-0000754068-212018	NIH_The Fred Hutchinson Cancer Research Center	4,23
93.855-0000754178-212019	NIH_The Fred Hutchinson Cancer Research Center	49,60
93.855-0000782572-212019	NIH_The Fred Hutchinson Cancer Research Center	56,50
93.855-0000782574-212018	NIH_The Fred Hutchinson Cancer Research Center	7,54
93.855-0600-370-G304 Ref#CNV0060520	NIH_Northwestern University	(;
93.855-108081; 7 UM1A068636-07	NIH_Brigham and Women's Hospital	5,7
93.855-108487	NIH_Brigham and Women's Hospital	3,3
93.855-110007	NIH_Brigham and Women's Hospital	90
93.855-120604	NIH_University of Texas Southwestern Medical Center Dallas	4,2
93.855-120604-1	NIH_University of Texas Southwestern Medical Center Dallas	17,9
93.855-152016.5057381.0008	NIH_Harvard University	39,1
	NIH_University of California, Los Angeles	18,3
93.855-1560 G PB333		
93.855-1R41AI088793-001	NIH_Eiger Group Internatinal Inc	239,2
93.855-1R41AI108024	NIH_Integrated BioTherapeutics, Inc.	186,7
93.855-2 (GG008377), PO # G04913	NIH_Columbia University	85,8
93.855-2009-2152	NIH_University of California, Irvine	115,6
93.855-2009-2153-8	NIH_University of California, Irvine	189,1
93.855-2011-2629	NIH_University of California, Irvine	107,0
93.855-2011-2685-2	NIH_University of California, Irvine	79,7
93.855-2031964	NIH_Duke University	
93.855-2032667	NIH_Duke University	264,8
93.855-2032955; 5U19AI056363	NIH_Duke University	5,1
93.855-2033533, 5UM1-AI00645-03	NIH_Duke University	35,2
93.855-212022-S4910	NIH_The Fred Hutchinson Cancer Research Center	11,6
93.855-23-S142331; 23-463281-01001	NIH_Texas A&M University	33,0
	NIH_University of Wisconsin Madison	21,4
93.855-344K676: YR 3	-	130,9
93.855-41000411336	NIH_Baylor Research Institute	
93.855-41000411339	NIH_Baylor Research Institute	181,8
93.855-41000411340;5U19AI057234	NIH_Baylor Research Institute	96,7
93.855-41000411342	NIH_Baylor Research Institute	142,2
93.855-41000411344	NIH_Baylor Research Institute	9,7
93.855-41000411344-1	NIH_Baylor Research Institute	167,0
93.855-415K450	NIH_University of Wisconsin Madison	9,3
93.855-415K450; U01AI102456	NIH_University of Wisconsin Madison	106,7
93.855-5136sc, UZ-UCSF CTU (PROMISE)	NIH_University of California, San Francisco	
93.855-5136sc-07	NIH_University of California, San Francisco	1,8
93.855-5R43AI098178-02	NIH_Integrated BioTherapeutics, Inc.	62,1
93.855-5U01AI089859-03	NIH_Mayo Clinic	,-
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93.855-60033860SU	NIH_Northwestern University	218,2
93.855-63311408	NIH_Mayo Clinic	71,8
93.855-63319515	NIH_Mayo Clinic	112,1
93.855-6692sc 540593-29709-02	NIH_University of California, San Francisco	365,0
93.855-6692SC; 5P01AI091575-02	NIH_University of California, San Francisco	()
93.855-710-9961-8985	NIH_Miriam Hospital	65,6
93.855-7956sc	NIH_University of California, San Francisco	5,5
93.855-C12-ASJ02-SU (DUKE ID: 2032974	NIH_Duke University	15,3
93.855-C12-ASJ02-SU(DUKEID:2032073)	NIH_Duke University	(5
93.855-FY14109802/U01AI101990-02	NIH_Benaroya Research Institute at Virginia Mason	63,6
93.855-FY 14109807	NIH_Benaroya Research Institute at Virginia Mason	14,7
93.855-GOR0010-02	NIH Palo Alto Institute for Research Education	18,9
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93.855-ITN050AD	NIH_Benaroya Research Institute at Virginia Mason	92,5
93.855-M12A11217 (A08561)	NIH_Yale University	
93.855-P11-SU (2032090)-2	NIH_Duke University	102,7
93.855-PO # 2001596511	NIH_Johns Hopkins University Hospital	10,6
93.855-PO # 63471765	NIH_Mayo Clinic	240,7
93.855-PO 63256631, 5U01AI089859-04	NIH_Mayo Clinic	90,8
	-	
93.855-PO NO. 1000910129	NIH_University of Iowa	13,4

CFDA Number, and Contract/Pass Award	Federal Agency / Pass Through Entity	Amount Expende
93.855-PO# 5-24927;1U19AI100627-01	NIH_The Scripps Research Institute	13,
93.855-PO# 63484634, 5U01AI089859-03	NIH_Mayo Clinic	36,
93.855-PO# 63551925	NIH_Mayo Clinic	51,:
93.855-PO#: 63471767	NIH_Mayo Clinic	60,
93.855-PO#63551933 Stdy# U19 AI090019	NIH_Mayo Clinic	42,2
93.855-PS#105087 CTOT-11	NIH_Brigham and Women's Hospital	5
93.855-Purchase Order # 63471764	NIH_Mayo Clinic	116,4
93.855-Purchase Order # 63471769	NIH_Mayo Clinic	22,
93.855-Purchase Order # 63484632	NIH_Mayo Clinic	42,
93.855-Purchase Order # 63484636-1	NIH_Mayo Clinic	118,
93.855-Purchase Order No. 5-50399	NIH_The Scripps Research Institute	389,
93.855-Purchase Order No. 63484633 93.855-Purchase Order No. 63484635	NIH_Mayo Clinic NIH Mayo Clinic	48, 72,
93.855-R44AI088756-Stanford	NIH Genefluidics Inc.	161,
93.855-S-000593	NIH_University of California, Riverside	77,
93.855-S0183091	NIH_University of California, Santa Cruz	166,4
93.855-S117 504-04; 1U01AI082051-02	NIH_Geneva Foundation	(8,
93.855-S-1321-04	NIH_Geneva Foundation	159,0
93.855-S7 947 02	NIH_Emory University	7,
93.855-SU19AI056363-10/M10-ASC01-SU	NIH_Duke University	48,
93.855-Sub # 00007668, PO# 2000074967	NIH_University of California, Berkeley	288,
93.855-Sub PO #1000910129	NIH_University of Iowa	26,
93.855-Subaward 110233	NIH_Brigham and Women's Hospital	
93.855-Subaward No. 1006715	NIH_Dana Farber Cancer Institute	27,
93.855-T11-SU; 2032094	NIH_Duke University	(
93.855-T244201	NIH_Emory University	1,
93.855-WU-13-244/PO# 2917307W	NIH_Washington University in St. Louis	27,
93.855-WU-14-297/PO 2923400X	NIH_Washington University in St. Louis	3,
93.859-00007728 R01GM066047	NIH_University of California, Berkeley	13,
93.859-00007728-2; 5R01GM066047-11	NIH_University of California, Berkeley	29,
93.859-1001459_001_Stanford_02	NIH_The Oregon Health Sciences University	37,
93.859-1001459-001_Stanford	NIH_The Oregon Health Sciences University	2,
93.859-10027535-04	NIH_University of Utah	(66,
93.859-10027535-04-1 93.859-12-8011-Stanford-14	NIH_University of Utah NIIH_Childrens Hospital and Research Center at Oakland	257, 17,
93.859-201956	NIH_University of Notre Dame	99,
93.859-2R01GM072859-05A1,00008012-1	NIH_University of California, Berkeley	29,
93.859-35145735	NIH_University of Southern California	39,
93.859-464-SUB	NIH_Cleveland Clinic Foundation	59
93.859-50-50247	NIH_The Scripps Research Institute	2,053,
93.859-512D27033	NIH_Department of Veterans Affairs	6,
93.859-55631-11501-stanford-A04	NIH_The Burhnam Institute	136,
93.859-55631-11503-Stanford-03-4	NIH_The Burhnam Institute	160,
93.859-68-1091226	NIH_California Institute of Technology	195
93.859-7392sc 50008/21765	NIH_University of California, San Francisco	169,
93.859-9000613-114809-24-117896-24	NIH_University of Pittsburgh	
93.859-Agreement # 222702	NIH_Massachusetts General Hospital	45
93.859-F7 002-02 PO# UW447 7 91	NIH_New York University	385,
93.859-GM62119-204810-204801	NIH_Massachusetts General Hospital	9,
93.859-M168490-1;1R01GM090087-2	NIH_University of Miami	147,
93.859-PO No. 5-50792	NIH_The Scripps Research Institute	300,
93.859-Proj 00110949,Sub UF13172	NIH_University of Florida NIH_University of Florida	150
93.859-Project # 00104021, UF12213 93.859-R01GM072859/ 00008012	NIH_University of California, Berkeley	(12,
93.859-RE690-G1	NIH_Georgia Institute of Technology	22,
93.859-REL0026-01	NIH_Palo Alto Institute for Research Education	86,
93.859-STU GM105963	NIH Pennsylvania State University Hershey	18,
93.859-Sub 554404 PO 2861729	NIH_University of Pennsylvania	,
93.859-Subaward # 220993	NIH_Massachusetts General Hospital	
93.859-Subaward 43359-5-31590-4	NIH_University of Chicago	134,
93.865-0000525484-1	NIH_Childrens Hospital Boston	17,
93.865-00008284/PO BB00280142	NIH_University of California, Berkeley	32,
93.865-107310	NIH_Cincinnati Children's Hospital Medical Center	4,
93.865-130474-1/PO3100324648	NIH_Cincinnati Children's Hospital Medical Center	80,
93.865-18B-1094246	NIH_California Institute of Technology	73,
93.865-2011-2636; HD048935	NIH_University of California, Irvine	98,
93.865-21050-31723	NIH_The George Washington University	378,
93.865-21050-31723-ADM1	NIH_The George Washington University	8,
93.865-2R44HD062316-02	NIH_Advanced Liquid Logic	70,
93.865-300000744-13-07-1	NIH_Childrens Research Institute	4,
93.865-30000744-13-07	NIH_Childrens Research Institute	45,
93.865-4-0731	NIH_Palo Alto Medical Foundation for Health Care, Research and Education	14,
93.865-47 680-1	NIH_University of Chicago	123,
93.865-5-52135/5R01HD055342	NIH_The University of North Carolina at Chapel Hill	56,

Agency, CFDA Number, and Contract/Pass Amount Through Award Federal Agency / Pass Through Entity Expended 93.865-5710003410; 5P01HD061315 NIH_Massachusetts Institute of Technology 73,699 NIH_Massachusetts Institute of Technology 116,259 93.865-5710003432; 5 P01 HD061315-03 93.865-ACHRI PROJECT 034586 NIH Arkansas Children's Hospital Research Institute (15,214) 93.865-DIRECTNETU01HD41890-Amendment3 NIH_Jaeb Center for Health Research 306,359 128,584 93.865-M130005090, 12-00512,101351-A1 NIH_New York University 40,012 818 93.865-Stanford-40-407 NIH_National Bureau of Economic Research 93.865-Sub #U01 HD41890 NIH Jaeb Center for Health Research NIH_Arkansas Children's Hospital Research Institute 28,585 93.865-Subaward 034587 93.865-Subaward 130474/PO3100324647 NIH_Cincinnati Children's Hospital Medical Center 91,254 NIH Cornell University 93.865-Subaward 13101462-03 49,974 93.865-Subaward No. 034588 NIH_Arkansas Children's Hospital Research Institute 8,276 93.865-U01 HD41890 NIH_Jaeb Center for Health Research 5,290 93.865-U01HD41890,Addendum 7 93.865-UF11262 Project # 0090686 325 165,867 NIH_Jaeb Center for Health Research NIH_University of Florida 93.865-VUMC 39135-04 NIH_Vanderbilt University 40,987 9,162 (1,173) 93.865-VUMC 39135-2 NIH_Vanderbilt University 93.866-00105841, SUBAWARD UF13061 NIH University of Florida 93.866-1003770-100-EAGKT NIH_National Bureau of Economic Research 10,322 93.866-107421 THOMPSON NIH_Photozig Inc 18,123 NIH Harvard University 93.866-150127-5054662-0002 501,504 93.866-2039359; 5U01AG034661 PACTTE NIH_Duke Clinical Research Institute 325 49,497 92,050 93.866-33-4051-Stanford NIH_National Bureau of Economic Research 93.866-33-4135-10-Stanford-2 NIH National Bureau of Economic Research 93.866-444K511; R37AG027343 NIH_University of Wisconsin Madison 16,392 93.866-514K194 NIH_University of Wisconsin Madison 27,784 57,384 335,728 93.866-6459sc NIH_University of California, San Francisco 93.866-6591sc NIH_University of California, San Francisco 93.866-7674sc NIH_University of California, San Francisco 65,110 93.866-ADNI-2-ADC-039-AG024904 NIH University of California, San Diego 18,951 NIH_Palo Alto Institute for Research Education 93.866-GOR0007-01 57,223 29,408 93.866-PO# 0000549973 NIH_Childrens Hospital Boston 93.866-PO# RSTFD0000583855 NIH_Childrens Hospital Boston 1,844 23,410 81,034 93.866-Subcontract 33-4117 NIH National Bureau of Economic Research 93.866-UF13061; U01AG022376 NIH_University of Florida 93.866-UFDSP00010138, Prime# 00113000 NIH_University of Florida 584,430 93.866-WBSE: 203 9359 NIH Duke Clinical Research Institute 57,987 (12,327) 93.867-00007513-02; PO#BB00069813 NIH_University of California, Berkeley 93.867-00007514 PO: BB00069814 NIH_University of California, Berkeley 64,000 93.867-101693337 / 5PN2EY016525-09 93.867-101836461 PO3:5600924402 NIH_Baylor College of Medicine 2.682 810,588 NIH_Baylor College of Medicine NIH_University of California, Los Angeles 93.867-1430 G SA696 15,682 93.867-15350002-0066 NIH_Methodis Hospital Research Institute 12,753 7,796 93.867-5008444-SERV;R01EY011309 NIH Tufts Medical Center Inc 93.867-5011-SU/1R01EY 022079-01 NIH_Regenerative Research Foundation 44,487 93.867 - PA 5 PN2EY 0165250 SCN 101569121 NIH_Baylor College of Medicine (322) 93.867-PO# 3201575, Subaward # 563141 NIH University of Pennsylvania 32,345 (18,254) 93.867-R7747-G12-4 NIH_Georgia Institute of Technology 93.867-R7747-G12-A5 NIH_Georgia Institute of Technology 523,730 97,517 93.867-S0184048 NIH_University of California, Santa Cruz 93.885-FY13109807;1U01A101990-01 NIH_Benaroya Research Institute at Virginia Mason 199,390 93.937-6.2 - U54CA168512 NIH_Sarcoma Alliance for Research through Collaboration 69,100 93.947-CO-31111-13 CDC_US Civilian Research & Development Fdn 23,534 93.989-00007902-PO#BB00024399 NIH_University of California, Berkeley 254,019 93.989-2U2RTW007367-8 NIH_Biomedical Research and Training Institute 114,203 75,430 68,212 93.-991.02935.002; PO# 13RRG10003 AHRQ_American Institutes for Research 93.-ABSA001 NIH Aviv Biomedical Inc. NIH_Immune Tolerance Network 93.-Agreement #: 108821 217,406 93.-CIBDIX2011 CDC-STAN-1 CDC_Center for Inherited Blood Disorders 53,469 93.-HHSN261201100061C NIH NCI LABCYTE 93.-HHSN268200800020C NIH_Radiological Society of North America (1379) 67,872 93.-HHSN268200800020C (Mod 0006B) NIH_Radiological Society of North America 4,733 NIH_Radiological Society of North America (1379) NIH_Radiological Society of North America 93.-HHSN2682009006C 975 93.-HHSN268201200078C(16a) 3,765 NIH_University Of Alabama In Birmingham 136 93.-N01-A1-30025 93.-NHLBI-PB-BB-2008-158-RCO- A02 11,554 10,887 NIH_Radiological Society of North America (1379) NIH_Vanderbilt University 93.-NO1A180007 DMID050050VUMC34334R 19,401 93.-PO0000159708,10009050-05CKD NIH University of Utah 93.-PO 0161183,017 5099,0000187 254 NIH_University of South Florida 11,280 93.-PUMPKIN: Project C-01367 NIH New England Research Inistitutes 35,321 93.-SPO 23272 NIH_Frontier Science & Technology Research Foundation 8,976 37,838,057 Non-ARRA Total Pass-Through Programs From Total

Department of Health and Human Services (DHHS) Total

38,026,913 408,302,057

y, CFDA Number, and Contract/Pass Igh Award	Federal Agency / Pass Through Entity	Amount Expended
ional Science Foundation		
Direct Programs ARRA		
47.082-ANT-0944773	ARRA_National Science Foundation	3,0
47.082-ANT-0960243	ARRA_National Science Foundation	147,9
47.082-AST-0905855	ARRA_National Science Foundation	1
47.082-CBET-0846392	ARRA_National Science Foundation	1,0
47.082-CBET-0960306	ARRA_National Science Foundation	(182,3
47.082-CBET-1347566	ARRA_National Science Foundation	58,7
47.082-CCF-0903109	ARRA_National Science Foundation	14,2
47.082-CNS-0904609	ARRA_National Science Foundation	21,4
47.082-DMR-0846363	ARRA_National Science Foundation	(
47.082-DMS-0905738	ARRA_National Science Foundation	34,1
47.082-DMS-0906812	ARRA_National Science Foundation	42,0
47.082-IIS-0904497	ARRA_National Science Foundation	41,6
47.082-MCB-0918782	ARRA_National Science Foundation	66,9
47.082-MCB-0923679	ARRA_National Science Foundation	(2
47.082-OCE-0847266	ARRA_National Science Foundation	134,9
47.082-OCE-0850839	ARRA_National Science Foundation	22,2
47.082-OCE-0926340	ARRA_National Science Foundation	7,4
47.082-PHY-0847050	ARRA_National Science Foundation	83,6
47.082-SBE-0915236	ARRA_National Science Foundation	(9,0
ARRA Total		488,0
Non-ARRA		
47.041-CBET-0641406	National Science Foundation	1,1
47.041-CBET-0964884	National Science Foundation	153,4
47.041-CBET-0967257	National Science Foundation	43,4
47.041-CBET-0967600	National Science Foundation	7,0
47.041-CBET-1048796	National Science Foundation	248,5
47.041-CBET-1066100	National Science Foundation	129,6
47.041-CBET-1066263	National Science Foundation	57,3
47.041-CBET-1066515	National Science Foundation	53,7
47.041-CBET-1133380	National Science Foundation National Science Foundation	54,3
47.041-CBET-1134416	National Science Foundation	33,3
47.041-CBET-1159092	National Science Foundation	48,4
47.041-CBET-1231415 47.041-CBET-1235878	National Science Foundation	74,7 97,6
47.041-CBET-1235878 47.041-CBET-1258609	National Science Foundation	97,0 222,4
47.041-CBET-1253009 47.041-CBET-1263991	National Science Foundation	115,7
47.041-CBET-1264289	National Science Foundation	146,6
47.041-CBET-1264833	National Science Foundation	100,4
47.041-CBET-1335632	National Science Foundation	42,6
47.041-CBET-1336734	National Science Foundation	155,0
47.041-CBET-1336835	National Science Foundation	58,4
47.041-CBET-1336844	National Science Foundation	139,0
47.041-CBET-1337051	National Science Foundation	79,1
47.041-CBET-1347565	National Science Foundation	58,6
47.041-CBET-1351289	National Science Foundation	15,0
47.041-CBET-1351981	National Science Foundation	7,0
47.041-CBET-1354028	National Science Foundation	107,8
47.041-CBET-1419175	National Science Foundation	27,2
47.041-CMMI 0747089	National Science Foundation	25,5
47.041-CMMI-0926212	National Science Foundation	
47.041-CMMI-0936421	National Science Foundation	73,2
47.041-CMMI-0936633	National Science Foundation	25,3
47.041-CMMI-0952021	National Science Foundation	18,7
47.041-CMMI-0952402	National Science Foundation	80,0
47.041-CMMI-1029452	National Science Foundation	4,9
47.041-CMMI-1031722	National Science Foundation	86,0
47.041-CMMI-1135029	National Science Foundation	428,5
47.041-CMMI-1141458	National Science Foundation	1,5
47.041-CMMI-1153718	National Science Foundation	29,6
47.041-CMMI-1153823	National Science Foundation	2
47.041-CMMI-1207911	National Science Foundation	96,6
47.041-CMMI-1233054	National Science Foundation	170,1
47.041-CMMI-1233694	National Science Foundation	103,5
47.041-CMMI-1234955	National Science Foundation	20,0
47.041-CMMI-1301396	National Science Foundation	64,7
47.041-ECCS-1025811	National Science Foundation	20,9
47.041-ECCS-1028372	National Science Foundation	7
47.041-ECCS-1101901	National Science Foundation	138,7
47.041-ECCS-1101905	National Science Foundation	91,6
47.041-ECCS-1201914	National Science Foundation	49,5
47.041-ECCS-1232324	National Science Foundation	18,7

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47.041-ECCS-1254786	National Science Foundation	36,
47.041-ECCS-1346858	National Science Foundation	42,
47.041-ECCS-1351687	National Science Foundation	104,
47.041-ECCS-1430530	National Science Foundation	108,
47.041-ECCS-1439935	National Science Foundation	27,
47.041-EEC-1023642	National Science Foundation	2,
47.041-EEC-1028968	National Science Foundation	3,702,
47.041-EEC-1240367	National Science Foundation	59,
47.041-EEC-1262655	National Science Foundation	81,
	National Science Foundation	
47.041-EEC-1265721		97,
47.041-EFRI-0835878	National Science Foundation	253,
47.041-EFRI-1136790	National Science Foundation	739,
47.041-IIP-1312359	National Science Foundation	114,
47.041-IIP-1359560	National Science Foundation	47,
47.049-1407828	National Science Foundation	40,
47.049-AST-0807458	National Science Foundation	99,
47.049-AST-1056465	National Science Foundation	163,
47.049-AST-1207825	National Science Foundation	429,
47.049-AST-1211838	National Science Foundation	64,
47.049-AST-1212195	National Science Foundation	70,
47.049-CHE - 1360046	National Science Foundation	14,
47.049-CHE-0847073	National Science Foundation	22,
47.049-CHE-0948211	National Science Foundation	130,
		130,
47.049-CHE-0957386	National Science Foundation	
47.049-CHE-1025960	National Science Foundation	(1,
47.049-CHE-1124515	National Science Foundation	96,
47.049-CHE-1137024	National Science Foundation	8
47.049-CHE-1137395	National Science Foundation	9,
47.049-CHE-1145236	National Science Foundation	255
	National Science Foundation	
47.049-CHE-1151428		304,
47.049-CHE-1157772	National Science Foundation	289,
47.049-CHE-1213403	National Science Foundation	206
47.049-CHE-1213879	National Science Foundation	88
47.049-CHE-1223785	National Science Foundation	106,
47.049-CHE-1265956	National Science Foundation	150
47.049-CHE-1266401	National Science Foundation	109
47.049-CHE-1306730	National Science Foundation	175.
47.049-CHE-1344038	National Science Foundation	265,
47.049-CHE-1360634	National Science Foundation	50
47.049-DMR-0904094	National Science Foundation	66,
47.049-DMR-0904264	National Science Foundation	
47.049-DMR-0906027	National Science Foundation	
47.049-DMR-0957616	National Science Foundation	95
47.049-DMR-1001903	National Science Foundation	14
47.049-DMR-1006989	National Science Foundation	37
47.049-DMR-1007886	National Science Foundation	143
47.049-DMR-1151231	National Science Foundation	182
47.049-DMR-1151786	National Science Foundation	112
47.049-DMR-1205165	National Science Foundation	95,
47.049-DMR-1205752	National Science Foundation	86,
47.049-DMR-1206511	National Science Foundation	127
47.049-DMR-1206916	National Science Foundation	69
47.049-DMR-1209468	National Science Foundation	120
47.049-DMR-1215942	National Science Foundation	180
47.049-DMR-1265593	National Science Foundation	82
47.049-DMR-1303178	National Science Foundation	89
47.049-DMR-1305677	National Science Foundation	91
47.049-DMR-1305731	National Science Foundation	110,
47.049-DMR-1310545	National Science Foundation	175
47.049-DMR-1351538	National Science Foundation	69
47.049-DMR-1400625	National Science Foundation	18
47.049-DMR-1406028	National Science Foundation	25
47.049-DMR-1407658	National Science Foundation	48
47.049-DMS-0502385	National Science Foundation	194
47.049-DMS-0601002	National Science Foundation	47
47.049-DMS-0707103	National Science Foundation	9
47.049-DMS-0709248	National Science Foundation	68
47.049-DMS-0801196	National Science Foundation	50
47.049-DMS-0808515	National Science Foundation	283
47.049-DMS-0900700	National Science Foundation	36
47.049-DMS-0905628	National Science Foundation	142
47.049-DMS-0905819	National Science Foundation	24
	National Science Foundation	
47.049-DMS-0905823		121
47.049-DMS-0906044	National Science Foundation	153
47.049-DMS-0906056	National Science Foundation	135

FDA Number, and Contract/Pas Award	ss Federal Agency / Pass Through Entity	Amoun Expende
47.041-CBET-1445921	National Science Foundation	
47.049-DMS-1430456	National Science Foundation	3,
47.070-CCF-1341270	National Science Foundation	21,
47.070-CNS-1332686	National Science Foundation	102,
47.070-IIS-1217638	National Science Foundation	(
47.074-IOS-1430429	National Science Foundation	13,
47.075-SES-1061569	National Science Foundation	64,
47.075-SES-1256359	National Science Foundation	47,
47.076-DUE-0920799	National Science Foundation	75
47.078-ANT-0639409	National Science Foundation	(6,
47.049-DMS-0934596	National Science Foundation	
47.049-DMS-1001068	National Science Foundation	150,
47.049-DMS-1001079	National Science Foundation	34,
47.049-DMS-1007719	National Science Foundation	87,
47.049-DMS-1007722	National Science Foundation	53
47.049-DMS-1007732	National Science Foundation	33
47.049-DMS-1016106	National Science Foundation	
		43
47.049-DMS-1025259	National Science Foundation	25,
47.049-DMS-1025465	National Science Foundation	38
47.049-DMS-1043204	National Science Foundation	247
47.049-DMS-1065807	National Science Foundation	79,
47.049-DMS-1068742	National Science Foundation	62
47.049-DMS-1100771	National Science Foundation	144
47.049-DMS-11007.84	National Science Foundation	
		93
47.049-DMS-1104553	National Science Foundation	85
47.049-DMS-1104555	National Science Foundation	43
47.049-DMS-1105050	National Science Foundation	94
47.049-DMS-1105058	National Science Foundation	87,
47.049-DMS-1105305	National Science Foundation	38
47.049-DMS-1105323	National Science Foundation	122
47.049-DMS-1105330	National Science Foundation	17
47.049-DMS-1106535	National Science Foundation	22
47.049-DMS-1106627	National Science Foundation	152
47.049-DMS-1106642	National Science Foundation	20
47.049-DMS-1107263	National Science Foundation	89
47.049-DMS-1114816	National Science Foundation	229
47.049-DMS-1120699	National Science Foundation	147
47.049-DMS-1158938	National Science Foundation	167
	National Science Foundation	
47.049-DMS-1159156		55
47.049-DMS-1162538	National Science Foundation	168
47.049-DMS-1201234	National Science Foundation	305
47.049-DMS-1201924	National Science Foundation	55
47.049-DMS-1205349	National Science Foundation	136
47.049-DMS-1205350	National Science Foundation	47,
47.049-DMS-1208164	National Science Foundation	112
47.049-DMS-1208775	National Science Foundation	148
47.049-DMS-1208787	National Science Foundation	
		154
47.049-DMS-1208857	National Science Foundation	67
47.049-DMS-1220311	National Science Foundation	88
47.049-DMS-1228155	National Science Foundation	159
47.049-DMS-1228275	National Science Foundation	148
47.049-DMS-1228304	National Science Foundation	126
47.049-DMS-1265187	National Science Foundation	56
47.049-DMS-1302071	National Science Foundation	46
47.049-DMS-1307973	National Science Foundation	26
47.049-DMS-1308184	National Science Foundation	65
47.049-DMS-1311903	National Science Foundation	31
47.049-DMS-1320158	National Science Foundation	85
47.049-DMS-1328230	National Science Foundation	68
47.049-DMS-1330132	National Science Foundation	131
47.049-DMS-1352656		22
	National Science Foundation	
47.049-DMS-1357690	National Science Foundation	15
47.049-DMS-1361432	National Science Foundation	37
47.049-DMS-1404282	National Science Foundation	40
47.049-DMS1404966	National Science Foundation	77
47.049-DMS-1405001	National Science Foundation	41,
47.049-DMS1407548	National Science Foundation	20
47.049-DMS-1407557	National Science Foundation	25
47.049-DMS-1407813	National Science Foundation	25
47.049-DMS-1441513	National Science Foundation	72
47.049-PHY ¿1404070	National Science Foundation	39
47.049-PHY-0756174	National Science Foundation	
47.049-PHY-0830228	National Science Foundation	1,540
47.049-PHY-0918469	National Science Foundation	1,540
4/.049-1111-0910409	Mational Science Foundation	10,

FDA Number, and Contract/Pas Award	ss Federal Agency / Pass Through Entity	Amount Expende
47.049-PHY-0969487	National Science Foundation	231,5
47.049-PHY-0969492	National Science Foundation	94,9
47.049-PHY-1005386	National Science Foundation	(3
47.049-PHY-1068380	National Science Foundation	20,0
47.049-PHY-1068596	National Science Foundation	1,340,3
47.049-PHY-1132382	National Science Foundation	252,2
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47.049-PHY-1205236	National Science Foundation	
47.049-PHY-1262062	National Science Foundation	2,2
47.049-PHY-1305433	National Science Foundation	111,0
47.049-PHY-1305516	National Science Foundation	71,9
47.049-PHY-1307260	National Science Foundation	65,6
47.049-PHY-1316699	National Science Foundation	702,4
47.049-PHY-1316706	National Science Foundation	12,5
47.049-PHY-1327658	National Science Foundation	13,2
47.049-PHY-1338376	National Science Foundation	128,
47.050-1313518	National Science Foundation	83,9
47.050-35905322	National Science Foundation	45,4
47.050-AGS-0955283	National Science Foundation	149,2
47.050-AGS-1003823	National Science Foundation	7,2
47.050-AGS-1056042	National Science Foundation	149,
	National Science Foundation	66,
47.050-AGS-1139321		
47.050-AGS-1139854	National Science Foundation	(6,6
47.050-AGS-1242912	National Science Foundation	6,0
47.050-AGS-1243176	National Science Foundation	85,3
47.050-EAR -1418831	National Science Foundation	59,3
47.050-EAR-0323938	National Science Foundation	(6,
47.050-EAR-0807377	National Science Foundation	34,
		54,
47.050-EAR-0838267	National Science Foundation	
47.050-EAR-0844386	National Science Foundation	22,
47.050-EAR-0911234	National Science Foundation	15,0
47.050-EAR-0911743	National Science Foundation	26,
47.050-EAR-0943885	National Science Foundation	38,
47.050-EAR-0948102	National Science Foundation	33,4
47.050-EAR-0948673	National Science Foundation	
		96,4
47.050-EAR-0952019	National Science Foundation	2,0
47.050-EAR-1009721	National Science Foundation	22,
47.050-EAR-1013843	National Science Foundation	12,
47.050-EAR-1014528	National Science Foundation	18,4
47.050-EAR-1019596	National Science Foundation	207,
47.050-EAR-1019648	National Science Foundation	81,
47.050-EAR-1019894	National Science Foundation	12,
47.050-EAR-1027802	National Science Foundation	139,
47.050-EAR-1029118	National Science Foundation	7,
47.050-EAR-1045684	National Science Foundation	29,
47.050-EAR-1049993	National Science Foundation	1,
47.050-EAR-1050669	National Science Foundation	80,
47.050-EAR-1055454	National Science Foundation	85,
	National Science Foundation	
47.050-EAR-1055981		49,
47.050-EAR-1103550	National Science Foundation	160,
47.050-EAR-1114073	National Science Foundation	114,
47.050-EAR-1141929	National Science Foundation	81,
47.050-EAR-1141931	National Science Foundation	68,
47.050-EAR-1151022	National Science Foundation	144,
47.050-EAR-1215742	National Science Foundation	120,
47.050-EAR-1250447	National Science Foundation	42
47.050-EAR-1254156	National Science Foundation	37,
47.050-EAR-1255439	National Science Foundation	45,
47.050-EAR-1255620	National Science Foundation	59
47.050-EAR-1321511	National Science Foundation	86,
47.050-EAR-1322084	National Science Foundation	23,
47.050-EAR-1347696	National Science Foundation	43,
47.050-EAR-1358607	National Science Foundation	
47.050-EAR-1430295	National Science Foundation	45,
47.050-GEO-1215886	National Science Foundation	28,
47.050-ICER-1342869	National Science Foundation	110,
47.050-OCE 0824972	National Science Foundation	(
47.050-OCE-0729236	National Science Foundation	(10,
47.050-OCE-0961714	National Science Foundation	28,
47.050-OCE-1041222	National Science Foundation	
47.050-OCE-1129101	National Science Foundation	91,
	National Science Foundation	
47.050-OCE-1129270		63,
47.050-OCE-1130095	National Science Foundation	144,
47.050-OCE-1138360	National Science Foundation	101,
47.050-OCE-1140404	National Science Foundation	94,

47.050-OCE-1203999 47.050-OCE-1233339 47.050-OCE-1233339 47.050-OCE-1241093 47.050-OCE-1260312 47.050-OCE-1313821 47.050-OCE-1338973 47.050-OCE-1337033 47.050-OCE-1357033 47.050-OCE-1434199 47.050-PLR-1246040 47.050-PLR-1303874 47.050-PLR-1304563 47.050-PLR-131040	National Science Foundation National Science Foundation	83,9 23,7 91,9 92,7 181,0 114,0 25,7 27,7
47.050-OCE-1235552 47.050-OCE-1241093 47.050-OCE-1260312 47.050-OCE-1313821 47.050-OCE-1313821 47.050-OCE-1338973 47.050-OCE-1357024 47.050-OCE-1357033 47.050-OCE-1357033 47.050-PLR-12454040 47.050-PLR-1246040 47.050-PLR-1304563	National Science Foundation National Science Foundation	91,9 117,7 127,7 181,0 114,0 114,0 25,7 27,7 2
47.050-OCE-1235552 47.050-OCE-1241093 47.050-OCE-1260312 47.050-OCE-1313821 47.050-OCE-1338973 47.050-OCE-1357024 47.050-OCE-1357024 47.050-OCE-1357033 47.050-OCE-1434199 47.050-PLR-1246040 47.050-PLR-1246040 47.050-PLR-1304563	National Science Foundation National Science Foundation	117, 92, 181, 114, 25, 27,
47.050-OCE-1241093 47.050-OCE-1260312 47.050-OCE-1313821 47.050-OCE-1338973 47.050-OCE-133872 47.050-OCE-1357024 47.050-OCE-1357033 47.050-OCE-1434199 47.050-PLR-1246040 47.050-PLR-1303874 47.050-PLR-1303874	National Science Foundation National Science Foundation	117, 92, 181, 114, 25, 27,
47.050-OCE-1260312 47.050-OCE-131821 47.050-OCE-1338973 47.050-OCE-1357024 47.050-OCE-1357023 47.050-OCE-1434199 47.050-PLR-1246040 47.050-PLR-1303874 47.050-PLR-1304563	National Science Foundation National Science Foundation	92, 181, 114, 25, 27,
47.050-OCE-1313821 47.050-OCE-1338973 47.050-OCE-1357024 47.050-OCE-1357033 47.050-OCE-1434199 47.050-PLR-1246040 47.050-PLR-1303874 47.050-PLR-1304563	National Science Foundation National Science Foundation	181, 114, 25, 27,7
47.050-OCE-1338973 47.050-OCE-1357024 47.050-OCE-1357033 47.050-OCE-1434199 47.050-PLR-1246040 47.050-PLR-1303874 47.050-PLR-1304563	National Science Foundation National Science Foundation National Science Foundation National Science Foundation National Science Foundation National Science Foundation National Science Foundation	114,0 25,7 27,7
47.050-OCE-1357024 47.050-OCE-1357033 47.050-OCE-1343199 47.050-PLR-1246040 47.050-PLR-1303874 47.050-PLR-1304563	National Science Foundation National Science Foundation National Science Foundation National Science Foundation National Science Foundation National Science Foundation	25,; 27,; 4
47.050-OCE-1357033 47.050-OCE-1434199 47.050-PLR-1246040 47.050-PLR-1303874 47.050-PLR-1304563	National Science Foundation National Science Foundation National Science Foundation National Science Foundation National Science Foundation	27,5
47.050-OCE-1434199 47.050-PLR-1246040 47.050-PLR-1303874 47.050-PLR-1304563	National Science Foundation National Science Foundation National Science Foundation National Science Foundation	4
47 .050-PLR-1246040 47 .050-PLR-1303874 47 .050-PLR-1304563	National Science Foundation National Science Foundation National Science Foundation	
47 .050-PLR-1246040 47 .050-PLR-1303874 47 .050-PLR-1304563	National Science Foundation National Science Foundation	
47.050-PLR-1303874 47.050-PLR-1304563	National Science Foundation National Science Foundation	9,8
47.050-PLR-1304563	National Science Foundation	21,8
		242,
	National Science Foundation	218,5
47.070-CCF-0643319	National Science Foundation	(11,
47.070-CCF-0743978	National Science Foundation	47,9
47.070-CCF-0915145	National Science Foundation	(:
47.070-CCF-0963835	National Science Foundation	19,8
47.070-CCF-1011228	National Science Foundation	164,6
		186,
47.070-CCF-1016885	National Science Foundation	
47.070-CCF-1028831	National Science Foundation	80,0
47.070-CCF-1101209	National Science Foundation	53,
47.070-CCF-1111943	National Science Foundation	305,
47.070-CCF-1116377	National Science Foundation	121,
47.070-CCF-1139161	National Science Foundation	117,
47.070-CCF-1160904	National Science Foundation	95,
47.070-CCF-1161332	National Science Foundation	28,
47.070-CCF-1161480	National Science Foundation	101,
47.070-CCF-1212372	National Science Foundation	205,
47.070-CCF-1215965	National Science Foundation	35,
47.070-CCF-1216011	National Science Foundation	83,
47.070-CCF-1216642	National Science Foundation	76,0
47.070-CCF-1216698	National Science Foundation	4,
47.070-CCF-1255821	National Science Foundation	77,0
47.070-CCF-1256548	National Science Foundation	78,9
47.070-CCF-1317470	National Science Foundation	34,
47.070-CCF-1319979	National Science Foundation	82,
47.070-CCF-1320628	National Science Foundation	86,4
47.070-CCF-1321174	National Science Foundation	170,
47.070-CCF-1337375	National Science Foundation	112,0
47.070-CCF-1344284	National Science Foundation	240,8
47.070-CCF1351108	National Science Foundation	55,
47.070-CCF-1356918	National Science Foundation	71,
47.070-CCF-1408911	National Science Foundation	2,
47.070-CCF-1417238	National Science Foundation	5,
47.070-CNS-0719844	National Science Foundation	
		95,
47.070-CNS-0831199	National Science Foundation	54,
47.070-CNS-0832820	National Science Foundation	1,437,
47.070-CNS-0846014	National Science Foundation	32,
47.070-CNS-0855268	National Science Foundation	224,
47.070-CNS-0963859	National Science Foundation	259,
47.070-CNS-1010921	National Science Foundation	24,
47.070-CNS-1040190	National Science Foundation	190,
47.070-CNS-1040593	National Science Foundation	296,
47.070-CNS-1057270	National Science Foundation	(3,
47.070-CNS-1059020	National Science Foundation	42,
47.070-CNS-1064504	National Science Foundation	4,
47.070-CNS-1111374	National Science Foundation	157,
47.070-CNS-1150177	National Science Foundation	97,
47.070-CNS-1228645	National Science Foundation	44,
47.070-CNS-1228648	National Science Foundation	99,
47.070-CNS-1330081	National Science Foundation	57,
47.070-CNS-1330141	National Science Foundation	52,
47.070-CNS-1343227	National Science Foundation	182,
47.070-CNS-1343253	National Science Foundation	13,
47.070-CNS-1343906	National Science Foundation	109,
47.070-IIA-1239605	National Science Foundation	7,
47.070-IIS-0811460	National Science Foundation	1,
47.070-IIS-0904325	National Science Foundation	78,
47.070-IIS-0914833	National Science Foundation	(5,
47.070-IIS-0915040	National Science Foundation	(
47.070-IIS-0917151	National Science Foundation	118
47.070-IIS-0963478	National Science Foundation	16
47.070-IIS-0964218	National Science Foundation	
47.070-IIS-0964218 47.070-IIS-0964242	National Science Foundation	138, 117,

FDA Number, and Contract/Pa Award	ss Federal Agency / Pass Through Entity	Amoun Expende
47.070-IIS-1000845	National Science Foundation	217,
47.070-IIS-1009916	National Science Foundation	411,
47.070-IIS-1016324	National Science Foundation	67,
47.070-IIS-1016909	National Science Foundation	41,
47.070-IIS-1017745	National Science Foundation	7,
47.070-IIS-1017826	National Science Foundation	122,
	National Science Foundation	(11,
47.070-IIS-1017938		
47.070-IIS-1115493	National Science Foundation	155,
47.070-IIS-1124568	National Science Foundation	141,
47.070-IIS-1149837	National Science Foundation	12,
47.070-IIS-1159679	National Science Foundation	143,
47.070-IIS-1161679	National Science Foundation	22,
47.070-IIS-1216875	National Science Foundation	93,
47.070-IIS-1217635	National Science Foundation	127,
47.070-IIS-1227406	National Science Foundation	459,
47.070-IIS-1247701	National Science Foundation	24,
47.070-IIS-1324753	National Science Foundation	280,
47.070-IIS-1347214	National Science Foundation	96,
47.070-IIS-1349163	National Science Foundation	156
47.070-IIS-1349982	National Science Foundation	108,
	National Science Foundation	
47.070-IIS-1351131		34,
47.070-IIS-1353606	National Science Foundation	120,
47.070-IIS-1419433	National Science Foundation	84,
47.074-DBI-0701880	National Science Foundation	5,
47.074-DBI-1055112	National Science Foundation	194,
47.074-DBI-1063292	National Science Foundation	361,
47.074-DBI-1063397	National Science Foundation	18,
47.074-DBI-1146722	National Science Foundation	81,
47.074-DBI-1249341	National Science Foundation	111
47.074-DEB-0918234	National Science Foundation	46,
47.074-DEB-0918848	National Science Foundation	47.
47.074-DEB-1020412	National Science Foundation	105
47.074-DEB-1020791	National Science Foundation	231
47.074-DEB-1110332	National Science Foundation	(1
47.074-DEB-1149600	National Science Foundation	153
47.074-DEB-1201576	National Science Foundation	11
47.074-DEB-1209335	National Science Foundation	1,
47.074-DEB-1209441	National Science Foundation	8,
47.074-DEB-1210057	National Science Foundation	
47.074-DEB-1212124	National Science Foundation	327,
47.074-DEB-1232319	National Science Foundation	40
47.074-DEB-1249342	National Science Foundation	37
47.074-DEB-1308818	National Science Foundation	9
47.074-DEB-1361171	National Science Foundation	98
47.074-DEB-1404527	National Science Foundation	7
47.074-EF-1038708	National Science Foundation	(2
47.074-IOB-0546891	National Science Foundation	(54)
47.074-IOS0845521	National Science Foundation	117
47.074-IOS-1052161	National Science Foundation	113
47.074-IOS-1138275	National Science Foundation	(28
47.074-IOS-1140396	National Science Foundation	19
47.074-IOS-1247950	National Science Foundation	123
47.074-IOS-1258169	National Science Foundation	155
47.074-IOS-1420693	National Science Foundation	18
47.074-MCB-0919027	National Science Foundation	164
47.074-MCB-0954714	National Science Foundation	205
47.074-MCB-1021472	National Science Foundation	104
47.074-MCB-1054025	National Science Foundation	214
47.074-MCB-1121778	National Science Foundation	380
47.074-MCB-1149328	National Science Foundation	112
47.074-MCB-1404866	National Science Foundation	67
		48
47.074-MCB-1408785	National Science Foundation	
47.075-BCS-0619956	National Science Foundation	46
47.075-BCS-0748915	National Science Foundation	
47.075-BCS-0844085	National Science Foundation	66
47.075-BCS-0850664	National Science Foundation	1
47.075-BCS-0920865	National Science Foundation	(1
47.075-BCS-0926273	National Science Foundation	(1
47.075-BCS-1025602	National Science Foundation	72
47.075-BCS-1026552	National Science Foundation	2
47.075-BCS-1062879	National Science Foundation	58
47.075-BCS-1121326	National Science Foundation	2
47.075-BCS-1121637	National Science Foundation	10
47.075-BCS-1147534	National Science Foundation	34
47.075-BCS-1152997	National Science Foundation	18

CFDA Number, and Contract/Pa Award	ss Federal Agency / Pass Through Entity	Amoun Expende
47.075-BCS-1225758	National Science Foundation	2,0
47.075-BCS-1225894	National Science Foundation	24,8
47.075-BCS-1228397	National Science Foundation	276,0
47.075-BCS-1251645	National Science Foundation	154,5
47.075-BCS-1259315	National Science Foundation	26,0
47.075-BCS-1324461	National Science Foundation	117;
47.075-BCS-1342164	National Science Foundation	10,0
47.075-BCS-1346286	National Science Foundation	9,
47.075-BCS1358907	National Science Foundation	6,:
47.075-BSC-1153488	National Science Foundation	9,8
47.075-BSC-1226963	National Science Foundation	126,4
47.075-SES 0961481	National Science Foundation	29,
47.075-SES-0750723	National Science Foundation	
47.075-SES-0827384	National Science Foundation	37,
47.075-SES-0836409	National Science Foundation	25,
47.075-SES-0846194	National Science Foundation	74,0
47.075-SES-0937715	National Science Foundation	338,
47.075-SES-0957962	National Science Foundation	4,
47.075-SES-0961693	National Science Foundation	32,
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47.075-SES-0962625		
47.075-SES-1024504	National Science Foundation	3,
47.075-SES-1049100	National Science Foundation	140,
47.075-SES-1121281	National Science Foundation	67,4
47.075-SES-1123314	National Science Foundation	1,
47.075-SES-1152578	National Science Foundation	136,
47.075-SES-1153160	National Science Foundation	63,
47.075-SES-1153867	National Science Foundation	42,
47.075-SES-1156263	National Science Foundation	117,
47.075-SES-1159032	National Science Foundation	11,
47.075-SES-1226221	National Science Foundation	(
47.075-SES-1227606	National Science Foundation	136,
47.075-SES-1254167	National Science Foundation	85,
47.075-SES-1257138	National Science Foundation	80,
47.075-SES-1260853	National Science Foundation	50
47.075-SES-1302715	National Science Foundation	1,
47.075-SES-1303612	National Science Foundation	2,
47.075-SES-1325031	National Science Foundation	46,
47.075-SES-1325805	National Science Foundation	76,
47.075-SES-1331115	National Science Foundation	59,
	National Science Foundation	
47.075-SES-1334292		69,9
47.075-SES-1352963	National Science Foundation	10,
47.075-SES-1358507	National Science Foundation	61,
47.075-SMA-1158673	National Science Foundation	161,
47.076-DGE-0801700	National Science Foundation	649,
47.076-DGE-1147470	National Science Foundation	20,140,
47.076-DRL-0750340	National Science Foundation	(8)
47.076-DRL-0814559	National Science Foundation	(2,
47.076-DRL-0814768	National Science Foundation	(1,
47.076-DRL-1029929	National Science Foundation	251,
47.076-DRL-1055130	National Science Foundation	133,
47.076-DRL-1156751	National Science Foundation	146
47.076-DRL-1220666	National Science Foundation	345
47.076-DRL-1222220	National Science Foundation	
		141,
47.076-DRL-1228831	National Science Foundation	515,
47.076-DRL-1239723	National Science Foundation	111,
47.076-DRL-1265953	National Science Foundation	99
47.076-DRL-1317068	National Science Foundation	127,
47.076-DRL-1337414	National Science Foundation	143,
	National Science Foundation	
47.076-DRL-1443790		22
47.076-DUE-1022644	National Science Foundation	_
47.076-DUE-1023075	National Science Foundation	(5
47.076-DUE-1122650	National Science Foundation	99
47.076-DUE-1125457	National Science Foundation	2,068
47.076-HRD-1306595	National Science Foundation	
		30,
47.078-ANT-0944727	National Science Foundation	41
47.078-ANT-1043442	National Science Foundation	45
47.078-ANT-1141791	National Science Foundation	27
47.078-ANT-1142018	National Science Foundation	409
47.078-ANT-1142044	National Science Foundation	101,
47.078-ANT-1145248	National Science Foundation	359
47.078-ARC-1204013	National Science Foundation	95,
47.080-OCI-1047577	National Science Foundation	149
47.080-OCI-1130086	National Science Foundation	
		55,
47.080-OCI-1147463	National Science Foundation	30,
47.080-OCI-1219869	National Science Foundation	151,0

y, CFDA Number, and Contract/Pass gh Award	Federal Agency / Pass Through Entity	Amount Expende
47.080-OCI-1245810	National Science Foundation	449,8
Non-ARRA Total		74,225,3
Direct Programs Total		74,713,3
Pass-Through Programs From ARRA		
47.082-OGFR 09-09-005	ARRA_NSF_Siena College	(2
ARRA Total	ARKA_NSF_Stella College	(2
Non-ARRA		
4710001371	NSF_University of Southern California	
47.041-0006046/BB00061414/CMMI0751621	NSF_University of California, Berkeley	4,6
47.041-007445/BB00099670/EECS-0939514	NSF_University of California, Berkeley	268,6
47.041-2013-1	NSF_Kampachi Farms	3,7
47.041-2014-3092	NSF_University of California Irvine	17,9
47.041-329K092	NSF_University of Wisconsin	5,5
47.041-4101-54690	NSF_Purdue University	217,7
47.041-44771-7470	NSF_Cornell University	6,086,1
47.041-BB00073070/EEC083219/0007091	NSF_University of California, Berkeley	116,6
47.041-IIP-1345739	NSF_Sonitrack Systems	15,8
47.041-SPO108068	NSF_Fibralign Corporation	49,6
47.041-Sub 00006969 PO# BB00091553	NSF_University of California, Berkeley	(99,9
47.049-00008312 PO#: BB00259673	NSF_University of California, Berkeley	117,8
47.049-1000 GQB250	NSF_University of California, Los Angeles	55,2
47.049-119-000222	NSF_SRI International	94,8
47.049-2001948448	NSF_Johns Hopkins University	27,4
47.049-68D-1089577	NSF_California Institute of Technology	(32,8
47.049-68D-1094586	NSF_California Institute of Technology	139,
47.049-75ADV-1087852	NSF_California Institute of Technology	66,0
47.049-C4404-IL/AST-0551161	NSF_LSST Corporation	376,1
47.049-T082521	NSF_Emory University	272,7
47.050-32410118	NSF_University of Southern California	57,8
47.050-40286494-2,Proj 14236	NSF_University of Southern California	15,1
47.050-42646117 / PO: 10105317	NSF_University of Southern California	40,3
47.050-4500000941	NSF_Boston University	40,7
47.050-498K783	NSF_University of Wisconsin Madison	12,0
47.050-59-001713	NSF_SRI International	19,8
47.050-PO: 10015940	NSF_University of Southern California	16,4
47.070-340	NSF_International Computer Science Institute	115,6
47.070-4101-32046	NSF_Purdue University	(2,6
47.070-4101-38047	NSF_Purdue University	567,0
47.070-4740-SU-NSF-8076	NSF_The Pennsylvania State University	153,5
47.070-81-1088450	NSF_California Institute of Technology	41,0
47.070-CIF-E-009	NSF_Computing Research Association	17,8
47.070-SA4899-10808PG-12 BB00065382	NSF_University of California, Berkeley	517,4
47.070-Y90940	NSF_University of Southern California	6,2
47.074-09-NSF-1053	NSF_Duke University	91,8
47.074-6-10152-01	NSF_Carnegie Institution of Washington	35,
47.074-E257GNA10900	NSF_University of California, Merced	(;
47.074-R877178	NSF_Research Foundation of SUNY	200,
47.074-S1593A-A	NSF_Oregon State University	140,8
47.075-108084-5031715	NSF_Harvard University	65, 98,0
47.075-2013-02842-02	NSF_University of Illinois at Urbana Champaign	
47.075-23-3569-00-0-79-369-7700	NSF_National Bureau of Economic Research	38,8
47.075-34-3572-00-0-79-962	NSF_National Bureau of Economic Research	61,4
47.075-5812-SU	NSF_National Opinion Research Center	11,8
47.075-746455	NSF_University Of Washington	208,4
47.075-CW2266665	NSF_Pace University	1,7
47.075-R01640	NSF_Florida State University	(7,2
47.075-Sub 668053 Prime OMA-0835854	NSF_University Of Washington	803,8
47.076-1 (GG006048)	NSF_Columbia University	78,3
47.076-111960	NSF_Carleton College	(7
47.076-11-NSF-1088	NSF_Duke University	195,9
47.076-1544378/PO# 1000013104	NSF_University of Colorado	3,7
47.076-1547260 SPO# 1000014433	NSF_University of Colorado	39,7
47.076-4101-38893	NSF_Purdue University	64,1
47.076-4101-39453	NSF_Purdue University	11,:
47.076-SP0009814-PROJ0002739	NSF_Northwestern University	67,
47.079-11-707D-C	NSF_University of Nevada	86,2
47.080-33753467	NSF_University of Southern California	26,4
47.080-E2021041	NSF_George Mason University	23,8
47.080-01A-1305078,00008175	NSF_University of California Berkeley	26,3
47513131	NSF_Teachers College, Columbia University	100,1

Federal Agency / Dece Through E-	P 3 . 3
Federal Agency / Pass Through Entity	Expended 22,20
Nor_Assil of oniversities for Research in Astronomy	11,934,55
	11,934,28
	86,647,65
	0.0(1.1)
	2,064,16 81,97
	172,88
Office of Aviation Research, Federal Aviation Administration	8,13
Office of Aviation Research, Federal Aviation Administration	53,6
Office of Aviation Research, Federal Aviation Administration	12,76
	43,59
,	112,76 61,03
	5,48
	2,616,45
	2,616,45
Central Intelligence Agency	
National Endowment for the Arts	14,67
National Endowment for the Arts	130,1
	144,79
Institute of Museum Services_University of California, Santa Cruz	35,01
	<u>35,01</u> 179,80
National Endowment for the Humanities	97,12
1	97,12
	97,
Commission	
National Historical Publications And Records Commission	59,75
National Historical Publications And Records Commission	80,37
National Historical Publications And Records Commission	13,13
	153,25
Commission Total	153,25
Office of the Director of National Intelligence, Columbia Univ	(3,29
	(3,29
Total	(3,29
Department of Hemeland Security	(3,41
	237,09
Department of Homeland Security	121,68
Department of Homeland Security	2,415,28
	2,770,65
Dept. of Homeland Security_University Of Maryland At College Park	43,86
Dept. of Homeland Security_UT-Battelle LLC	30,22
Dept. of Homeland Security_UT-Battelle LLC	72,98
	NSF_Assn of Universities for Research in Astronomy Office of Aviation Research, Pederal Aviation Administration Office of Aviation Research National Endowment for the Arts Ational Endowment for the Humanities Ational Endowment for

Department Of Justice Direct Programs

gency, CFDA Number, and Contract/Pass hrough Award	Federal Agency / Pass Through Entity	Amount Expended
162013-DN-BX-K010	United States Department Of Justice	201,880
16.560-2012-IJ-CX-0002	United States Department Of Justice	(57,92
Direct Programs Total Department Of Justice Total		143,955
US Agency for International Development		
Direct Programs		
96.007 - Subaward 33-5101 DRCNB13-3	Social_Security_Administration_National Bureau of Economic Research	
Direct Programs Total		30,606
Pass-Through Programs From		
98.001-200912248-08	USAID_University of California, Davis	3,520
98.001-A12-0070-S003	USAID_University of Tennessee	47,42
98.001-FY14-A05-7017	USAID_University Research Co LLC	330,46
9810	USAID_The Nature Conservancy	1
98201121454-10	USAID_University of California, Davis	17,66
988000051142	USAID_Purdue University	7,45
98FY12-A01-4206	USAID_University Research Corporation	5,39
98MAKSPH-002-13	USAID_Makerere University	716,09
Pass-Through Programs From Total	,	1,128,040
US Agency for International Development Tota	11	1,158,640
Other Federal Agencies Total ESEARCH AND DEVELOPMENT CLUSTER Tota	1	4,647,220
	•	041,310,04
TUDENT FINANCIAL AID CLUSTER		
Department of Education Federal Supplemental Educational Opportunit	v Grent (ESEOC)	
	y Grant (FSEOG)	
Direct Programs	Endowal Supplemental Educational Opportunity Creat (ESEOC)	(001.00)
84.007-P007A120619 84.007-P007A130619	Federal Supplemental Educational Opportunity Grant (FSEOG) Federal Supplemental Educational Opportunity Grant (FSEOG)	(201,22: 955,349
Direct Programs Total	rederal supplemental Educational Opportunity Grant (FSEOG)	
Federal Supplemental Educational Opportunit	v Grant (ESEOG) Total	754,124
reactar Supprementar Daucational Opportant	y of and (10100) for all	/ 34,1-4
Federal Work-Study Program (FWS)		
Direct Programs		
84.033-P033A120619	Federal Work_Study Program (FWS)	194,091
84.033-P033A130619	Federal Work_Study Program (FWS)	920,996
84.033-P033A140619	Federal Work_Study Program (FWS)	341,777
Federal Work-Study Program (FWS) Total		1,456,864
Federal Pell Grant Program (PELL)		
84.063-P063P131187	Federal Pell Grant Program (PELL)	4,661,886
Federal Pell Grant Program (PELL) Total		4,661,886
Teacher Education Assistance for College and I	Higher Education Grants (TEACH Grants)	
84.379-P379T131187	Teacher Education Assistance for College and Higher Education Grants (TEACH Grants)	96,996
84.379-P379T151187	Teacher Education Assistance for College and Higher Education Grants (TEACH Grants)	26,420
Teacher Education Assistance for College and I	Higher Education Grants (TEACH Grants) Total	123,416
Department of Education Total		6,996,290
TUDENT FINANCIAL AID CLUSTER Total		6,996,290
THER FEDERAL AWARDS		
Department of Defense (DOD)		
Army		
Direct Programs		
12.431-W911NF-13-1-0209	Department of the Army	5,604
12.999-5405200	Dept. of the Army, US Army Human Resources Command	221,590
12.999-5859590	US Coast Guard	17,500
12.999-5859668	US Coast Guard	46,12
12.999-5862150	US Coast Guard	20,070
12.999-5924708	US Army (SAM)	5,155
Direct Programs Total		316,04
		316,04
Army Total		
Army Total Navy		
Navy	Department of the Navy	7,79
Navy Direct Programs	Department of the Navy	
Navy Direct Programs 12.300-N0014-14-1-0342	Department of the Navy	7,792
Navy Direct Programs 12.300-N0014-14-1-0342 Direct Programs Total Navy Total	Department of the Navy	7,79
Navy Direct Programs 12.300-N0014-14-1-0342 Direct Programs Total Navy Total DARPA and Other DOD	Department of the Navy	7,792
Navy Direct Programs 12.300-N0014-14-1-0342 Direct Programs Total Navy Total DARPA and Other DOD Direct Programs		7,792
Navy Direct Programs 12:300-N0014-14-1-0342 Direct Programs Total Navy Total DARPA and Other DOD Direct Programs 12:900-H98230-12-1-0029	National Security Agency	7,792 7,792 7,792
Navy Direct Programs 12.300-N0014-14-1-0342 Direct Programs Total Navy Total DARPA and Other DOD Direct Programs		7,792

ough Award	Federal Agency / Pass Through Entity	Amount Expended
12.900-H98230-14-1-0043	National Security Agency	80,55
12.900-H98230-14-1-0044	National Security Agency	83,24
12.999-5405328	Department of Defense	160,58
Direct Programs Total		342,03
DARPA and Other DOD Total		342,03
epartment of Defense (DOD) Total		665,86
epartment of Education		
Direct Programs		
84.015A-P015A100087	United States Department of Education	86,73
84.015A-P015A100143	United States Department of Education	143,7
84.015B-P015B100037	United States Department of Education	362,7
84.015B-P015B100087	United States Department of Education	220,00
84.015B-P015B100143	United States Department of Education	227,5
84.015-P015A100037	United States Department of Education	163,3
Direct Programs Total		1,204,1
Pass-Through Programs From		
84.367-NCLB10A-CWLP-SO	Dept of Ed_University of California, Office of the President	27,6
84.367-NCLB10-CWLP-STANFORD	Dept of Ed_University of California, Office of the President	114,9
84.368A-SPO #115458	Dept of Ed_Council of Chief State School Officers	3,5
Pass-Through Programs From Total	. –	146,1
epartment of Education Total		1,350,3
epartment of Energy (DOE)		
Direct Programs		
81.049-DE-FG02-95ER62051	Department of Energy	144,4
81.049-DE-SC0005171	Department of Energy	26,0
81.049-DE-SC0011788	Department of Energy	47,2
Direct Programs Total		217,7
Pass-Through Programs From		
12.999-5404973	DOE CGF/Oak Ridge	73,5
12.999-5561484	DOE_DSO National Laboratories	39,8
Pass-Through Programs From Total		113,3
epartment of Energy (DOE) Total		331,1
epartment of Interior		
Direct Programs		
Direct Programs 15P11AC91304	National Park Service	6,6
Direct Programs	National Park Service	
Direct Programs 15P11AC91304	National Park Service	6,6
Direct Programs 15P11AC91304 Direct Programs Total		6,6
Direct Programs 15P11AC91304 Direct Programs Total epartment of Interior Total		6,6
Direct Programs 15P11AC91304 Direct Programs Total epartment of Interior Total ational Aeronautics and Space Administrat		<u> </u>
Direct Programs 15P11AC91304 Direct Programs Total epartment of Interior Total ational Aeronautics and Space Administrat Direct Programs	ion (NASA)	<u> 6,60</u> 6,60
Direct Programs 15Pi1AC91304 Direct Programs Total epartment of Interior Total ational Aeronautics and Space Administrat Direct Programs 43.999-5805202	ion (NASA) NASA Shared Services Center	<u> 6,6</u> <u> 6,6</u> 19,4 4,7
Direct Programs 15Pi1AC91304 Direct Programs Total epartment of Interior Total ational Aeronautics and Space Administrat Direct Programs 43.999-5805202 43.AAA-NNX09AL89G	ion (NASA) NASA Shared Services Center National Aeronautics and Space Administration	6,60 6,60 19,4 4,7 46,6
Direct Programs 15P11AC91304 Direct Programs Total epartment of Interior Total ational Aeronautics and Space Administrat Direct Programs 43.999-5805202 43.AAA-NNX09AL89G 43.AAA-NNX10AQ65G	ion (NASA) NASA Shared Services Center National Aeronautics and Space Administration	6,60 6,60 19,4 4,7 46,6
Direct Programs 15Pi1AC91304 Direct Programs Total epartment of Interior Total ational Aeronautics and Space Administrat Direct Programs 43.999-5805202 43.AAA-NNX10AQ65G Direct Programs Total Pass-Through Programs From 431488050	ion (NASA) NASA Shared Services Center National Aeronautics and Space Administration	6,60 6,60 19,4 4,7 46,6 70,80
Direct Programs 15Pi1AC91304 Direct Programs Total epartment of Interior Total ational Aeronautics and Space Administrat Direct Programs 43.999-5805202 43.AAA-NNX09AL89G 43.AAA-NNX10AQ65G Direct Programs Total Pass-Through Programs From	ion (NASA) NASA Shared Services Center National Aeronautics and Space Administration National Aeronautics and Space Administration NASA_Jet Propulsion Laboratory	6,60 6,60 19,4 4,7 46,6 70,80 20,9 20,9
Direct Programs 15Pi1AC91304 Direct Programs Total epartment of Interior Total ational Aeronautics and Space Administrat Direct Programs 43.999-5805202 43.AAA-NNX09AL89G 43.AAA-NNX10AQ65G Direct Programs Total Pass-Through Programs From 431488050 Pass-Through Programs From Total ational Aeronautics and Space Administrat	ion (NASA) NASA Shared Services Center National Aeronautics and Space Administration National Aeronautics and Space Administration NASA_Jet Propulsion Laboratory ion (NASA) Total	6,60 6,60 19,4 4,7 46,6 70,80 20,9 20,9
Direct Programs 15Pi1AC91304 Direct Programs Total epartment of Interior Total ational Aeronautics and Space Administrat Direct Programs 43.999-5805202 43.AAA-NNX09AL89G 43.AAA-NNX10AQ65G Direct Programs Total Pass-Through Programs From 431488050 Pass-Through Programs From Total	ion (NASA) NASA Shared Services Center National Aeronautics and Space Administration National Aeronautics and Space Administration NASA_Jet Propulsion Laboratory ion (NASA) Total	6,6 6,6 19,4 4,7 46,6 70,8 20,9 20,9
Direct Programs 15Pi1AC91304 Direct Programs Total epartment of Interior Total ational Aeronautics and Space Administrat Direct Programs 43.999-5805202 43.AAA-NX10AQ65G Direct Programs Total Pass-Through Programs From 431488050 Pass-Through Programs From Total ational Aeronautics and Space Administrat epartment of Health and Human Services (ion (NASA) NASA Shared Services Center National Aeronautics and Space Administration National Aeronautics and Space Administration NASA_Jet Propulsion Laboratory ion (NASA) Total	6,60 6,60 19,4 4,7 46,6 70,80 20,9 20,9 91,80
Direct Programs 15Pi1AC91304 Direct Programs Total epartment of Interior Total ational Aeronautics and Space Administrat Direct Programs 43.999-5805202 43.AAA-NNX09AL89G 43.AAA-NNX09AL89G Direct Programs Total Pass-Through Programs From 431488050 Pass-Through Programs From Total ational Aeronautics and Space Administrat epartment of Health and Human Services (Direct Programs	ion (NASA) NASA Shared Services Center National Aeronautics and Space Administration National Aeronautics and Space Administration NASA_Jet Propulsion Laboratory ion (NASA) Total DHHS)	6,60 6,60 19,4 4,7 70,80 20,9 20,9 91,80 10,0
Direct Programs 15Pi1AC91304 Direct Programs Total epartment of Interior Total ational Aeronautics and Space Administrat Direct Programs 43.999-5805202 43.AAA-NNX09AL89G 43.AAA-NNX09AL89G 43.AAA-NNX10AQ65G Direct Programs Total Pass-Through Programs From 431488050 Pass-Through Programs From Total ational Aeronautics and Space Administrat epartment of Health and Human Services (Direct Programs 93.286-8-RAR053058D	ion (NASA) NASA Shared Services Center National Aeronautics and Space Administration National Aeronautics and Space Administration NASA_Jet Propulsion Laboratory ion (NASA) Total DHHS) National Institutes of Health National Institutes of Health	6,60 6,60 19,4 4,7 46,6 70,80 20,9 20,9 91,80 10,0 49,5
Direct Programs 15Pi1AC91304 Direct Programs Total epartment of Interior Total ational Aeronautics and Space Administrat Direct Programs 43.999-5805202 43.AAA-NNX09AL89G 43.AAA-NNX10AQ65G Direct Programs Total Pass-Through Programs From 431488050 Pass-Through Programs From Total ational Aeronautics and Space Administrat epartment of Health and Human Services (Direct Programs 93.286-8-REB017070A 93.846-8-RAR053058D 93.865-8-UHD076529A	ion (NASA) NASA Shared Services Center National Aeronautics and Space Administration National Aeronautics and Space Administration NASA_Jet Propulsion Laboratory ion (NASA) Total DHHS) National Institutes of Health National Institutes of Health National Institutes of Health	6,60 6,60 19,4 4,7 46,6 70,80 20,9 20,9 91,80 10,0 49,5 12,1
Direct Programs 15P11AC91304 Direct Programs Total epartment of Interior Total ational Aeronautics and Space Administrat Direct Programs 43.999-5805202 43.AAA-NNX09AL89G 43.AAA-NNX09AL89G 43.AAA-NNX10AQ65G Direct Programs Total Pass-Through Programs From 431488050 Pass-Through Programs From Total ational Aeronautics and Space Administrat epartment of Health and Human Services (Direct Programs 93.286-8-RE8017 07 0A 93.846-8-RA8053058D 93.846-8-RA8053058D 93.846-8-RA8053058D 93.846-8-RA8053058D 93.884-57HP23242A0	ion (NASA) NASA Shared Services Center National Aeronautics and Space Administration National Aeronautics and Space Administration NASA_Jet Propulsion Laboratory ion (NASA) Total DHHS) National Institutes of Health National Institutes of Health National Institutes of Health National Institutes of Health	6,60 6,60 19,4 4,7 46,6 70,80 20,9 20,9 91,80 10,0 49,5 12,1 127,6
Direct Programs 15Pi1AC91304 Direct Programs Total epartment of Interior Total ational Aeronautics and Space Administrat Direct Programs 43.999-5805202 43.AAA-NNX09AL89G 43.AAA-NNX10AQ65G Direct Programs Total Pass-Through Programs From 431488050 Pass-Through Programs From Total ational Aeronautics and Space Administrat epartment of Health and Human Services (Direct Programs 93.286-8-REB017070A 93.846-8-RAR053058D 93.865-8-UHD076529A	ion (NASA) NASA Shared Services Center National Aeronautics and Space Administration National Aeronautics and Space Administration NASA_Jet Propulsion Laboratory ion (NASA) Total DHHS) National Institutes of Health National Institutes of Health National Institutes of Health	6,60 6,60 19,4 4,7 70,80 20,9 20,9 91,80 91,80 10,0 49,5 12,1 12,7,6 12,0
Direct Programs 15P11AC91304 Direct Programs Total epartment of Interior Total ational Aeronautics and Space Administrat Direct Programs 43.999-5805202 43.AAA-NNX09AL89G 43.AAA-NNX09AL89G 43.AAA-NNX00AC65G Direct Programs Total Pass-Through Programs From 431488050 Pass-Through Programs From Total ational Aeronautics and Space Administrat epartment of Health and Human Services (Direct Programs 93.286-8-RE8017070A 93.846-8-RE8017070A 93.846-8-RA805305BD 93.865-8-UHD076529A 93.884-D57HP23242A0 93.999-5781545 Direct Programs Total	ion (NASA) NASA Shared Services Center National Aeronautics and Space Administration National Aeronautics and Space Administration NASA_Jet Propulsion Laboratory ion (NASA) Total DHHS) National Institutes of Health National Institutes of Health National Institutes of Health National Institutes of Health	6,6 6,6 19,4 4,7 46,6 70,8 20,9 20,9 91,8 10,0 49,5 12,1 127,6 12,0
Direct Programs 15P11AC91304 Direct Programs Total epartment of Interior Total ational Aeronautics and Space Administrat Direct Programs 43.999-5805202 43.AAA-NNX09AL89G 43.AAA-NNX10AQ65G Direct Programs Total Pass-Through Programs From 431488050 Pass-Through Programs From Total ational Aeronautics and Space Administrat epartment of Health and Human Services (Direct Programs 93.286-8-REB017070A 93.846-8-RAR053058D 93.865-8-UHD076529A 93.84-D57HP23242A0 93.999-5781545 Direct Programs Total Pass-Through Programs From	ion (NASA) NASA Shared Services Center National Aeronautics and Space Administration NASA_Jet Propulsion Laboratory ion (NASA) Total DHHS) National Institutes of Health National Institutes of Health National Institutes of Health National Institutes of Health National Institutes of Health	6,6 6,6 19,4 4,7 4,7 46,6 70,8 20,9 20,9 91,8 10,0 49,5 12,1 127,6 12,0 211,3
Direct Programs 15P11AC91304 Direct Programs Total epartment of Interior Total ational Aeronautics and Space Administrat Direct Programs 43.999-5805202 43.AAA-NNX09AL89G 43.AAA-NNX09AL89G 43.AAA-NNX10AQ65G Direct Programs Total Pass-Through Programs From 431488050 Pass-Through Programs From Total ational Aeronautics and Space Administrat epartment of Health and Human Services (Direct Programs 93.286-8-REB017070A 93.846-8-RAR053058D 93.865-8-UHD07629A 93.884-D57HP23242A0 93.999-5781545 Direct Programs Total Pass-Through Programs From 93.395-1633, Extension of Sub# 1320	ion (NASA) NASA Shared Services Center National Aeronautics and Space Administration National Aeronautics and Space Administration NASA_Jet Propulsion Laboratory ion (NASA) Total DHHS) National Institutes of Health National Institutes of Health National Institutes of Health National Institutes of Health National Institutes of Health Department of Human Services - Illinois	6,60 6,60 19,4 4,7 4,6 70,80 20,9 20,9 91,80 10,0 49,5 12,1 127,6 12,0 211,3 21,2
Direct Programs 15P11AC91304 Direct Programs Total epartment of Interior Total ational Aeronautics and Space Administrat Direct Programs 43.999-5805202 43.AAA-NNX09AL89G 43.AAA-NNX09AL89G 43.AAA-NNX10AQ65G Direct Programs Total Pass-Through Programs From 431488050 Pass-Through Programs From Total ational Aeronautics and Space Administrat epartment of Health and Human Services (Direct Programs 93.286-8-REB017070A 93.846-8-RAR053058D 93.846-8-RA	ion (NASA) NASA Shared Services Center National Aeronautics and Space Administration NASA_Jet Propulsion Laboratory ion (NASA) Total DHHS) National Institutes of Health National Institutes of Health National Institutes of Health Department of Human Services - Illinois	6,66 6,66 19,4 4,7 46,6 70,86 20,9 20,9 91,86 91,86 10,00 49,5 12,1 127,6 12,0 211,30 21,2 108,10
Direct Programs 15P11AC91304 Direct Programs Total epartment of Interior Total ational Aeronautics and Space Administrat Direct Programs 43.999-5805202 43.AAA-NNX09AL89G 43.AAA-NNX09AL89G 43.AAA-NNX00AC65G Direct Programs Total Pass-Through Programs From 431488050 Pass-Through Programs From Total ational Aeronautics and Space Administrat epartment of Health and Human Services (Direct Programs 93.286-8-RE8017070A 93.846-8-RA8053058D 93.865-8-UHD076529A 93.884-D57 HP23242A0 93.999-57 81545 Direct Programs Total Pass-Through Programs From 93.395-1633, Extension of Sub# 1320 93.610-4107967.2 93.855-108085; 7 UM1AI068636-07	ion (NASA) NASA Shared Services Center National Aeronautics and Space Administration NASA_Jet Propulsion Laboratory ion (NASA) Total DHHS) National Institutes of Health National Institutes of Health National Institutes of Health National Institutes of Health Department of Human Services - Illinois	6,66 6,66 19,4 4,7 4,7 20,9 20,9 20,9 91,86 10,00 49,5 12,1 127,6 12,0 211,30 21,2 108,1 6,4
Direct Programs 15P11AC91304 Direct Programs Total epartment of Interior Total ational Aeronautics and Space Administrat Direct Programs 43.999-5805202 43.AAA-NNX09AL89G 43.AAA-NNX10AQ65G Direct Programs Total Pass-Through Programs From 431488050 Pass-Through Programs From Total ational Aeronautics and Space Administrat epartment of Health and Human Services (Direct Programs 93.286-8-REB017070A 93.846-8-RAR053058D 93.865-8-UHD076529A 93.84-D57HP23242A0 93.999-5781545 Direct Programs Total Pass-Through Programs From 93.395-1633, Extension of Sub# 1320 93.610-14107967.2 93.855-108085; 7UM1AI068636-07 93.859-512D27033	ion (NASA) NASA Shared Services Center National Aeronautics and Space Administration National Aeronautics and Space Administration NASA_Jet Propulsion Laboratory ion (NASA) Total DHHS) National Institutes of Health National Institutes of Health National Institutes of Health National Institutes of Health National Institutes of Health Department of Human Services - Illinois	6,66 6,66 19,4 4,7 46,6 70,86 20,9 20,9 91,86 10,00 49,55 12,1 127,60 12,00 211,34 21,22 108,10 6,4 53,55
Direct Programs 15P11AC91304 Direct Programs Total epartment of Interior Total ational Aeronautics and Space Administrat Direct Programs 43.999-5805202 43.AAA-NNX09AL89G 43.AAA-NNX09AL89G 43.AAA-NNX00AC65G Direct Programs Total Pass-Through Programs From 431488050 Pass-Through Programs From Total ational Aeronautics and Space Administrat epartment of Health and Human Services (Direct Programs 93.286-8-RE8017070A 93.846-8-RA8053058D 93.865-8-UHD076529A 93.884-D57 HP23242A0 93.999-57 81545 Direct Programs Total Pass-Through Programs From 93.395-1633, Extension of Sub# 1320 93.610-4107967.2 93.855-108085; 7 UM1AI068636-07	ion (NASA) NASA Shared Services Center National Aeronautics and Space Administration NASA_Jet Propulsion Laboratory ion (NASA) Total DHHS) National Institutes of Health National Institutes of Health National Institutes of Health National Institutes of Health Department of Human Services - Illinois	6,60 6,60 6,60 19,4 4,77 46,6 70,80 20,9 20,9 91,80 10,00 49,55 12,1 127,60 12,00 211,30 211,30 21,21 108,14 6,4 53,55 25,57 215,37 215,37

gency, CFDA Number, and Contract/Pass hrough Award	Federal Agency / Pass Through Entity	Amount Expended
Other Federal Agencies	reactar figency / t ass through Entry	Expended
Corp for National & Community Service		
Pass-Through Programs From		
94.006-890200	Americorps_Jumpstart	(2,56
Pass-Through Programs From Total	. – .	(2,56)
Corp for National & Community Service T	otal	(2,56)
Department of State		
Direct Programs		
19.040-S-RS500-13-GR-201A	Department of State	88,54
19.040-S-TU-150-13-GR-006	Department of State	14,25
19.345-SLMAQM-10-GR515	Department of State	(7
19.703-SINLEC12GR0020-A2	Department of State	1,071,31
Department of State Total		1,174,033
Department of Veterans Affairs		
Direct Programs		
64.1131450-ARFGI-21660	VA Education Benefits	1,621,46
64.999-5929150 Department of Veterans Affairs Total	Department of Veterans Affairs	<u>46,32</u> 1,667 ,7 8
National Endowment for the Arts Direct Programs		
e e	National Endowment for the Arts	22.50
45.024-14-3100-7121 National Endowment for the Arts Total	National Endowment for the Arts	<u>32,500</u> 32,500
National Endowment for the Humanities		
Direct Programs		
45.149-PF-50169-11	National Endowment for the Humanities	
Direct Programs Total		
National Endowment for the Humanities T	otal	
The Library of Congress		
Direct Programs		
42.002-GA 09C0053	The Library of Congress	114,00
The Library of Congress Total		114,00
Other Federal Agencies Total		2,985,76
THER FEDERAL AWARDS Total		5,858,03
OTAL FEDERAL EXPENDITURES		\$ 654,170,373

Stanford University Notes to Schedule of Expenditures of Federal Awards Year Ended August 31, 2014

1. Summary of Significant Accounting Policies

Basis of Presentation

The accompanying Summary Schedule of Expenditures of Federal Awards and Schedule of Expenditures of Federal Awards (the "Schedules") have been prepared in accordance with OMB Circular A-133, *Audit of States, Local Governments and Non-Profit Organizations*. Therefore, amounts presented in these Schedules may differ from amounts presented in, or used in the preparation of, the University financial statements, as they relate to the various federal loan programs, as well as other awards. The purpose of the Schedules is to present a summary of those activities of Stanford University (the "University") for the year ended August 31, 2014 that have been financed by the U.S. Government ("federal awards").

Consistent with the provisions of OMB Circular A-133, the Schedules do not include expenditures of the SLAC National Accelerator Laboratory that were funded by a Department of Energy ("DOE") contract. The SLAC National Accelerator Laboratory, a national laboratory operated and managed by the University under contract directly with the DOE, represents a government-owned contractor operated (GOCO) facility. GOCOs are excluded from the provisions of the OMB Circular A-133 (paragraph 105).

The accompanying Schedules have been prepared on the accrual basis of accounting, which is consistent with the University's financial statements. Catalog of Federal Domestic Assistance ("CFDA") and pass-through numbers are provided when available. Negative amounts presented as expenditures represent subsequent period adjustments, transfers or vendor credits.

2. Loan Programs

The following schedule represents student loan assistance outstanding and advanced by the University for the year ended August 31, 2014, in addition to student financial aid recorded on the accompanying Schedules.

Federal Agency/Program Title	CFDA Number	2014 New Loans Issued	Outstanding Balance for Year Ended August 31, 2014
Department of Education			
Federal Perkins Loan Program	84.038	\$ 12,361,142	\$ 59,061,454
Federal Direct Student Loan Program			
Subsidized Stafford Loans	84.268	776,985	N/A
Unsubsidized Stafford Loans	84.268	22,876,321	N/A
PLUS Loans – Graduate and Parent	84.268	19,465,146	N/A
Department of Health and Human Services			
Health Professions Student Loans	93.342	-	5,543
Loans for Disadvantaged Students	93.342	18,800	144,867

The Perkins Loan Program Administrative Cost Allowance totaled \$543,255 for the FISAP year 2013-2014.

The Perkins Loan Principal cancelled totaled \$510,865 for the FISAP year 2013-2014.

3. Subrecipients

Included in the federal expenditures presented in the Schedule, the University provided federal awards to subrecipients as follows:

Federal Agency/Program Title	CFDA Number	Amount Provided to Subrecipients
Research and Development Cluster		
Department of Defense	12	\$ 15,135,730
Department of Education	84	262,973
Department of Commerce	11	17,468
Department of Energy	81	5,063,362
Department of Interior	15	21,000
National Aeronautics and Space Administration	43	2,495,292
Department of Health and Human Services	93	27,559,122
National Science Foundation	47	5,226,016
Department of Transportation	20	24,290
Department of Homeland Security	97	111,987
Subtotal Research and Development Cluste	r	55,917,240
Other Federal Programs		
Department of State	19	629,152
Other Federal Programs		629,152
Total		\$ 56,546,392



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 Trustees of The Leland Stanford Junior University

We have audited, in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, the consolidated financial statements of the Leland Stanford Junior University and its subsidiaries (the "University"), which comprise the consolidated statement of financial position as of August 31, 2014, and the related consolidated statement of activities and cash flows for the year then ended, and the related notes to the financial statements, and have issued our report thereon dated December 10, 2014.

Internal Control Over Financial Reporting

In planning and performing our audit of the financial statements, we considered the University'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 financial statements, but not for the purpose of expressing an opinion on the effectiveness of the University's internal control. Accordingly, we do not express an opinion on the effectiveness of the University's internal control.

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

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

Compliance and Other Matters

As part of obtaining reasonable assurance about whether the University's financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts and grant agreements, noncompliance with which could have a direct and material effect on the determination of financial statement amounts. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

PricewaterhouseCoopers LLP, Three Embarcadero Center, San Francisco, CA 94111-4004 T: (415) 498 5000, F: (415) 498 7100, www.pwc.com/us



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.

ricandohurs Cagoos HB

San Francisco, California December 10, 2014



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 Trustees of The Leland Stanford Junior University

Report on Compliance for Each Major Federal Program

We have audited the Leland Stanford Junior University's (the "University") 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 the University's major federal programs for the year ended August 31, 2014. The University's major federal programs are identified in the summary of auditor's results section of the accompanying schedule of findings and questioned costs.

The University's consolidated financial statements include the operations of SLAC National Accelerator Laboratory ("SLAC"), which incurred \$369,158,195 in federal award expenditures which are not included in the University's Schedules of Expenditures of Federal Awards for the year ended August 31, 2014. Our audit, described below, did not include the operations of SLAC because it is a government-owned contractor operated facility ("GOCO") and accordingly, is excluded from the requirements of OMB Circular A-133 and the scope of this audit.

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 the University'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 the University'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 the University's compliance.

PricewaterhouseCoopers LLP, Three Embarcadero Center, San Francisco, CA 94111-4004 T: (415) 498 5000, F: (415) 498 7100, www.pwc.com/us



Opinion on Each Major Federal Program

In our opinion, the University 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 August 31, 2014.

Other Matters

The results of our auditing procedures disclosed instances of noncompliance, which are required to be reported in accordance with OMB Circular A-133 and which are described in the accompanying schedule of findings and questioned costs as items 2014-001, 2014-002, 2014-003, 2014-004, 2014-005, and 2014-006. Our opinion on each major federal program is not modified with respect to these matters.

The University's response to the noncompliance findings identified in our audit is described in the accompanying Management's Response and Corrective Action Plan. Management's Response and Corrective Action Plan was not subjected to the auditing procedures applied in the audit of compliance and, accordingly, we express no opinion on it.

Report on Internal Control Over Compliance

Management of the University 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 the University'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 the University's internal control over compliance.

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

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



The purpose of this report on internal control over compliance is solely to describe the scope of our testing of internal control over compliance and the results of that testing based on the requirements of OMB Circular A-133. Accordingly, this report is not suitable for any other purpose.

ricandohurs Cagoes HB

San Francisco, California May 14, 2015

Part I - Summary of Auditors' Results

Financial Statements

Type of auditor's report issued Unmodified
Internal control over financial reporting:
Material weakness(es) identified?No
Significant deficiency(ies) identified that are not considered to be material weakness(es)?None Reported
Non-compliance which is material to the financial statements?No
Federal Awards
Type of auditor's report issued on compliance for major programs Unmodified
Type of auditor's report issued on compliance for major programs Unmodified Internal control over financial reporting:

Audit findings required to be reported under OMB Circular A-133, paragraph .510(a)?Yes

Programs Subjected to Audit Procedures as Major Programs

CFDA Numbers	Federal Program or Cluster
Various as listed in the accompanying SEFA	Research and Development Cluster
Various as listed in the accompanying SEFA	Student Financial Aid Cluster
Dollar threshold for Type A program	\$3,000,000
Auditee qualifies as a low-risk auditee	Yes

Stanford University Schedule of Findings and Questioned Costs Year Ended August 31, 2014

Part II - Financial Statement Findings

No matters reported.

Part III - Federal Award Findings and Questioned Costs

2014-001 Supervisorial Approval of Federal Work-Study Timecards not Occurring

Federal Agency: Student Financial Aid Cluster, Department of Education **Program:** Federal Work Study **CFDA Number:** 84.033 **Award Number:** P033A130619 **Award Period:** June, 2013 – June, 2014

Condition

We selected a sample of 25 of 693 students participating in the Federal Work Study program for testing. Of the 25 students tested, the department supervisor did not timely approve the timecard associated with one pay period for two students.

Citation

34 CFR §675.19

Questioned Cost

There are no questioned costs associated with this finding.

Criteria

Under 34 CFR §675.19, an institution must establish and maintain program and fiscal records that include certification by the student's supervisor, an official of the institution or off-campus agency, that each student has worked and earned the amount being paid. The certification must include or be supported by, for students paid on an hourly basis, a time record showing the hours each student worked in clock time sequence, or the total hours worked per day. If electronic certification is used, the school must have proper safeguards in place against possible fraud and abuse.

Cause

The information technology system utilized by the University to facilitate records of time worked by Federal Work Study students does not require department supervisor certification prior to the processing of payroll. As such, student time cards can be processed without department supervisor review certification.

Effect

Students may be compensated for hours not incurred or uncompensated for hours incurred.

Recommendations

We recommend that the University remind department supervisors of the requirement to certify (approve) the records of time worked for all pay periods of a Federal Work Study student at the end of each pay period. The University should implement a process to monitor the status of a department supervisor's review and approval.

Management's Response and Corrective Action Plan

2014-002 University's Return of Student's Unearned Aid

Federal Agency: Student Financial Aid Cluster, Department of Education **Program:** Federal Direct Student Loans **CFDA Number:** 84.268 **Award Number:** P268K146957 **Award Period:** September 1, 2013 – August 31, 2014

Condition

We selected a sample of 7 students from the total population of 28 students who received Title IV assistance and subsequently withdrew enrollment from the University during the same term for testing. Of the 7 students tested, the University did not return the correct amount of unearned Title IV assistance on behalf of one student formerly enrolled in one of the University's professional schools.

Citation

34 CFR §668.22

Questioned Cost

\$1,126

Criteria

Under 34 CFR §668.22, an institution must return the lesser of: (1) the total amount of unearned Title IV assistance to be returned as described above; or (2) an amount equal to the total institutional charges incurred by the student for the payment period or period of enrollment multiplied by the percentage of Title IV grant or loan assistance that has not been earned by the student. If, for a non-term program an institution charges for a period that is longer than the payment period, "total institutional charges incurred by the student for the payment period" is the greater of: (1) the prorated amount of institutional charges so of the student's withdrawal date. The amount of Title IV assistance retained for institutional charges as of the student's withdrawal date. The amount a student is responsible for returning is calculated by subtracting the amount of unearned aid that the institution is required to return from the total amount of unearned Title IV assistance to be returned. However, the student need only return 50 percent of the total grant assistance that was disbursed (and that could have been disbursed) for the payment period or period or period of enrollment. After the 50 percent rule is applied, a student does not have to return an overpayment amount of \$50 or less.

Cause

We understand per discussion with management that the refund was calculated correctly and on a timely basis, but due to department error, the institution returned an incorrect amount of unearned assistance. Specifically, the amount actually returned was \$8,338, which is inconsistent with the calculated amount of \$9,464, resulting in a \$1,126 unreturned balance.

Effect

We note the unreturned balance of assistance was returned to the agency on December 5, 2014 as a result of the audit.

Recommendations

We recommend that the University implement a control to review all calculation worksheets for any professional school student who received Title IV assistance and subsequently withdrew enrollment from the University during the award year.

Management's Response and Corrective Action Plan

2014-003 Overpayment of Salary to Employee

Federal Agency: Research and Development Cluster, National Institutes of Health **Program:** Cardiovascular Diseases Research **CFDA Number:** 93.837 **Award Number:** 8-RHL103635A **Award Period:** July 15, 2010 – May 31, 2015

Condition

A sample of 64 bi-weekly salaries was selected for testing. For one sample item selected, the total annual salary paid to the employee exceeded the salary stated in the employee's University-approved salary letter by \$166.67.

Citation

OMB Circular A-21.J.10.a Cost Principles for Educational Institutions

Questioned Costs

\$167

Criteria

Per OMB Circular A-21, *Cost Principles for Educational Institutions*, costs related to personal compensation are allowable to the extent that the total compensation to individual employees conforms to the established policies of the institution.

Cause

The Principal Investigator of the award requested that the selected employee's salary expenditures be moved from one award to another. When the change was entered in the system, a data entry error was made in the effective date and the employee was paid twice for one day of work. The department manager's review of the change in the system did not identify the duplicate day of pay.

Effect

Employees receiving compensation under Federal awards could be overpaid, resulting in expenditures being overcharged to Federal awarding agencies.

Recommendations

We recommend the University implement a control to ensure employees are not paid more than the amounts authorized by the University. Additionally, when non-routine adjustments are made to an award, including transfers of salary expenditures, the University should implement a control whereby a secondary level of review is performed over such transactions.

Management's Response and Corrective Action Plan

2014-004 Unallowable Cost Identified by Sponsoring Agency

Federal Agency: Research and Development Cluster, Department of Defense **Program:** Military Medical Research and Development **CFDA Number:** 12.420 **Award Number:** W81XWH-12-1-0287 **Award Period:** July 15, 2012 – July 14, 2015

Condition

A sample of 60 cost transfers was selected for testing out of a population of 53,184 cost transfers (between sponsored awards or transfers to a sponsored award). One of the 60 cost transfers tested was the result of the sponsoring agency's identification of an unallowable charge of \$3,470 during the agency's review of a periodic financial report. This unallowable charge was subsequently corrected by the University through a cost transfer. Based on the timing of the sponsoring agency's review of the financial report, this cost transfer was performed over six months after the original expenditure date.

Citation

OMB Circular A-21, C. Basic Considerations, 4. Allocable Costs and K. Certification of Charges

Questioned Costs

There are no questioned costs associated with this finding.

Criteria

Per OMB Circular A-21, regarding cost principles, the recipient institution is responsible for ensuring that costs charged to a sponsored agreement are allowable, allocable, and reasonable under these cost principles. Factors affecting allowability of costs include: (a) they must be reasonable; (b) they must be allocable to sponsored agreements under the principles and methods provided per OMB Circular A-21; (c) they must be given consistent treatment through application of those generally accepted accounting principles appropriate to the circumstances; and (d) they must conform to any limitations or exclusions set forth in OMB Circular A-21 principles or in the sponsored agreement as to types or amounts of cost items.

Additionally, per the University's cost transfer policy, "Cost transfers that represent corrections of errors should be completed within 3 months of when the error is discovered and no later than 6 months after the expense is posted to an award".

Cause

The Principal Investigator's (PI's) review of the award's quarterly expenditures did not detect the unallowable charge. This was primarily due to the fact that the two awards subject to the cost transfer are closely related in nature as the awards are both part of the same agency program supporting close collaboration between the two PIs. Due to the interrelated nature of the awards, the Principal Investigator allowed the expenditure to be charged to the wrong award.

Effect

Costs would not be charged to the correct award.

Recommendations

We recommend that the University reinforce with the PIs on the awards and university research administrators the need to carefully review award documents and expenditures to ensure allowable costs are charged to the correct awards and to prevent errors from not being detected on a timely basis before reporting to sponsoring agencies. This is particularly important in an environment where grants are highly collaborative in nature.

Stanford University Schedule of Findings and Questioned Costs Year Ended August 31, 2014

Management's Response and Corrective Action Plan

2014-005 Timely Refund of Credit Balances to Awarding Agencies

Federal Agency: Various; see table below Program: Various; see table below CFDA Number: Various; see table below Award Number: Various; see table below Award Period: Various; see table below

Condition

The University did not refund credit balances due to awarding agencies for awards that ended in FY 2014.

Citation

2 CFR §200.344-345

Questioned Costs

See table below.

Federal Agency – Pass-Through Entity	Program	CFDA Number	Award Number	Award Period	Amount
NIH	Diabetes, Digestive, and Kidney Diseases Extramural Research	93.847	RDK037332F	7/15/09-8/31/14	\$ 20
NIH*	Cardiovascular Diseases Research	93.837	8-KHL097022A	8/15/09-6/30/14	387
NIH - University of California, San Francisco*	Allergy, Immunology and Transplantation Research	93.855	6692sc 540593- 29709-02	7/1/13-6/30/14	78
NIH - Icahn School of Medicine at Mount Sinai	Drug Abuse and Addiction Research Programs	93.279	0254-7665- 4609-2	7/1/13-12/30/13	16,894
NIH- University of California, San Francisco*	Discovery and Applied Research for Technological Innovations to Improve Human Health	93.286	5714sc/R01- EB009756	9/1/09-8/31/14	377
NASA - Smithsonian Astrophysical Observatory*	Science	43.001	PF2-130094	9/1/12-8/31/14	12,883
NASA - Smithsonian Astrophysical Observatory*	Einstein Postdoctoral Fellowship Program	43	EIPF0-110073	10/1/10-9/30/13	30
DOD: Department of the Air Force - SRI International*	Domain Vocabulary Extraction and Transduction, and Auto-Induction of Layout	12	69-000533, Release 2	1/1/13-12/31/13	533
Total					\$ 31,202

*See the "Effect" section for further detail.

Criteria

A non-Federal entity is obligated to return any funds due as a result of later refunds, corrections, or other transactions including final indirect cost rate adjustments. Further, any funds paid to the non-Federal entity in excess of the amount to which the non-Federal entity is finally determined to be entitled under the terms of the Federal award constitute a debt to the Federal government.

Cause

The University has not established adequate procedures or controls to ensure that credit balances are refunded to awarding agencies in a timely manner.

Stanford University Schedule of Findings and Questioned Costs Year Ended August 31, 2014

Effect

Refunds due to sponsoring agencies were not returned in a timely manner. Please note that those items referenced with an asterisk (*) above have been refunded to the Federal Agency or Pass-Through Entity as of the date of the audit report as a result of the audit.

Recommendations

We recommend that University management investigate thoroughly the causes behind the credit balances identified above and take corrective action accordingly. We also recommend that University management implement a control to ensure that any refunds resulting from credit balances are issued to federal awarding agencies in a timely manner. Additionally, for closed awards, we recommend the University implement a control to monitor activity subsequent to the closing of an award to verify appropriate action is taken regarding such activity.

Management's Response and Corrective Action Plan

2014-006 Changes in Key Personnel did not Receive Prior Approval

Federal Agency: Research and Development Cluster, Department of Health and Human Services **Program:** Biomedical Research and Research Training **CFDA Number:** 93.859 **Award Number:** 8-RGM051266F **Award Period:** May 7, 2010 – April 30, 2014

Condition

For the sample of key personnel selected, two of the individuals tested were named in their respective National Institutes of Health (NIH) award agreements, but were not involved in the project/grant in FY 2014 due to their respective departures from the University. Per the award agreements, changes in key personnel require prior approval from the NIH. The University, however, did not obtain prior approval from the NIH for the removal of these two individuals as key personnel. Approval from the NIH was obtained prior to the commencement of the FY 2014 audit, but several months after these two individuals left the University.

Citation

Agency award agreement terms and conditions

Questioned Costs

None reported.

Criteria

The NIH grant and policy manual requires NIH written prior approval if any of the named key personnel withdraw from the project entirely, are absent from the project during any continuous period of 3 months or more, or reduce time devoted to the project by 25 percent or more from the level that was approved at the time of award.

Cause

As a graduate student and a trainer, the two individuals were not expected to be involved in the project for its duration. Therefore, from the department's perspective, these individuals should not have been listed as key personnel in the award agreement. As the department did not view these two individuals as key personnel, they did not consider it necessary to obtain prior approval from the NIH prior to their departure from the University. Upon receipt of the initial NIH award agreements, the department should have identified these discrepancies in key personnel and alerted the NIH. This would have prevented the untimely communication of these key personnel changes to the NIH.

Effect

The University may not be compliant with key personnel requirements dictated by sponsoring agency agreements.

Recommendations

We recommend that management re-evaluate the processes and controls currently in place around key personnel to ensure they are properly designed to verify, upon an award's initial set up, that key personnel are properly identified, complete, and accurate. Additionally, management should re-evaluate controls in place to monitor, on an on-going basis, key personnel compliance requirements and the University's compliance therein.

Management's Response and Corrective Action Plan

Stanford University Summary Schedule of Status of Prior Year Audit Findings Year Ended August 31, 2014

No.	Description	Status
2013-001	Timely Disbursement of Loan Funds	Student Financial Services was restructured in
		September 2013. In that restructure, two
	Condition	Student Financial Analysts were assigned to
	When PwC tested the timely	manage Payments and Refunds, including full
	disbursement of loan funds to students or	responsibility for student refunds and
	parents, 25 students were tested, and one	compliance assurance. Previously these
	exception was noted whereby the loan	responsibilities were shared among Student
	disbursement was made 51 days after the	Services Specialists staff of eight or more
	date in which the credit balance was	individuals.
	created, which is outside of the 14 day	
	requirement. (34 CFR §668.164 (e)	The Payment and Refunds analysts are
	Disbursing Funds)	responsible for reviewing a refund exception
		report on a weekly basis and monitoring all
	Cause	Title IV pending credits, including PLUS
	As there is a manual component to the	loans. We have validated that all PLUS Loan
	disbursement process related to	refunds since the 2013 audit were processed
	identifying if the student or the parent will	within the 14-day timeframe. This was
	receive the PLUS loan funds, this credit	validated through our newly implemented
	balance was erroneously overlooked	quarterly audit report of the refunding
	causing the disbursement to be made later	timeframe for all Title IV credits.
	than 14 days after the credit balance was	
	created.	

Stanford University Summary Schedule of Status of Prior Year Audit Findings Year Ended August 31, 2014

No.	Description	Status
2013-002	Accurate and Timely Notification of	Regarding the reporting of enrollment status
	Student Status to the NSLDS	changes in which the Registrar's Office was
		notified of the change after the student
	Condition	discontinued attendance:
	The University submits enrollment status	
	information for approximately 18,000	The Registrar's Office implemented revised
	students, including Post-Docs, to NSLDS	procedures in January 2014 requiring the
	via the National Student Clearinghouse	Degree Progress staff members to notify the
	about 15 times per quarter. In PwC's	individual in charge of Clearinghouse
	testing of 25 student status changes, two	reporting whenever the Degree Progress staff
	exceptions were identified whereby the	members process an enrollment change of
	University had not reported student	this type. That individual then reports the
	status changes to the NSLDS in	change directly to the Clearinghouse. Staff
	accordance with required timing of 30	training materials were updated to emphasize
	days in which the University was made	the importance of the notification step.
	aware of a change in the student's status.	Pogarding the reporting of arrellment status
	Upon identification of this issue, the University further researched the matter	Regarding the reporting of enrollment status for students who withdraw in one term and
	and determined an additional 38 students	return to school in the subsequent term:
	with inaccurate or untimely reporting to	return to school in the subsequent term.
	the NSLDS, of which 15 had applied for	In April 2013, the Registrar's Office began
	financial aid. The University chose not to	using an updated version of the program that
	correct the reporting to the NSLDS at the	extracts enrollment information from
	point in time when the errors were	PeopleSoft to be sent to the Clearinghouse
	identified, as the corrections, in the	that improves Stanford's ability to correctly
	opinion of management, would have had	report students who withdraw in one term but
	no practical impact on the repayment	return to school for the next term.
	status of any loans. (CFR §674.41 (FPL)	
	and 34 CFR §685.309 (Direct Loan))	
	Cause	
	There are different circumstances for each	
	of the two instances reported. For the first	
	instance, the current process in place to	
	report timely to the NSLDS did not factor	
	in the reporting for student status changes	
	in which the University was notified of a	
	change in status after the student	
	discontinued attendance. For the second	
	instance, the system in place required that	
	the University change the student status	
	to withdrawn once reported, but then in	
	order for the student to enroll in	
	subsequent quarters, the status was	
	immediately changed back to active, in	
	which the initial change in status was	
	never picked up by the system extract	
	used to report to the NSLDS.	

No.	Description	Status
2013-003	Timely Return of Title IV Funds	The Financial Aid Office has continued the
	when a Student Withdraws after	practice of extending the time period during
	Beginning Attendance	which the withdrawal report is run for each
		academic term in order to identify any late
	Condition Of the total of 23 students receiving	withdrawals. The Registrar's Office staff has also been diligent in notifying the Financial
	financial aid, where the student withdrew	Aid Office of withdrawals that are processed
	from the University after beginning	after the end of the term.
	attendance, six selections were tested by	
	PwC and one exception was identified	
	where the return of Title IV funds was	
	returned 112 days after the student	
	withdrew from the University, which is	
	not within the required timeframe of 45	
	days. (34 CFR §668.173)	
	Cause	
	In order to identify all students that	
	withdrew and required the return of Title	
	IV funds, the current process in place is	
	for the Student Financial Aid office to run	
	weekly withdrawal reports, which is	
	stopped at the end of the respective	
	quarter. When a leave of absence is processed after the end of the quarter,	
	there is a manual activity whereby the	
	Registrar's office notifies the Student	
	Financial Aid office of the withdrawal.	
	The one instance identified as a finding	
	occurred when the student's leave was	
	entered after the end of the quarter and	
	the manual notification did not occur. The	
	compensating control performed by the University at the end of the year identified	
	this matter, but the return of funds was	
	already past due. Additionally, there was	
	another student found by the University	
	during the year-end review process that	
	was not previously identified, however, no	
	refund was due as the student had	
	completed more than 60 percent of the	
	calendar days in the payment period.	

STANFORD UNIVERSITY



Jesse Charlton, Director Research Administration Policy and Compliance

May 14, 2015

Ladies and Gentlemen,

As required by OMB Circular A-133, we have provided below our response and corrective action plan addressing the findings in the "*Reports on Financial Statements and Federal Award Programs in Accordance with OMB Circular A-133 August 31, 2014*".

Response and Corrective Action Plan

<u>Ref No.</u> 2014-001	Supervisorial Approval of Federal Work-Study Timecards not Occurring
	 Stanford agrees with the finding and recommendation. Stanford is committed to implementing several measures for the upcoming 2015-2016 academic year to ensure compliance with 34 CFR §675.19: An interdepartmental committee has begun a review of the policies in our Administrative Guide regarding the hiring and paying of undergraduate employees by Stanford departments. The Director of Financial Aid is leading this committee. Stanford will ensure that the revised policies clearly document the requirement for managers to review hours reported on student timecards and enter their approval by the end of each pay period. The Financial Aid Office (FAO) will revise and expand the instructions that we send to individual department staff members who wish to hire students for Federal Work-Study (FWS) positions, to ensure that the importance of timely approval of timecards is emphasized. In September 2015, the FAO will offer training workshops for department staff members who will be managing FWS student workers during the 2015-2016 academic year. The importance of timely approval of timecards will be emphasized in the workshops. Throughout the 2015-2016 academic year, the FAO will send email reminders to FWS managers as the end of each pay period approaches. The messages will remind managers to approve FWS timecards by the last day of the pay period.

<u>Ref No.</u>	
2014-002	University's Return of Student's Uncarned Aid Stanford agrees with the finding and recommendation. The three Stanford professional school Financial Aid Offices (Graduate School of Business, School of Law, and School of Medicine)) will revise their Return to Title IV procedures to include a second review performed by the Director of Compliance & Technology in the central Financial Aid Office. The Director will utilize Federal Student Aid's online tool when performing this second review to ensure accurate calculations. The professional school Financial Aid Offices and the central Financial Aid Office have also committed to ensuring that their Return to Title IV procedures includes confirming and documenting the actual return of Title IV funds to the appropriate federal source.
2014-003	Overpayment of Salary to Employee Stanford agrees with the finding and recommendation. The overpayment has been removed from the award. The Graduate Financial Support (GFS) system which is used to generate salary payments for graduate student appointments has two levels of approval for both new and adjusted salary entries. After the originator has created an aid entry it is routed for approval by a staff member in the student's "home" department and by a financial approver based on the account being used. Salary payments and adjustments will not proceed until both the financial approver and home department approver have indicated their approval in GFS. The financial approver is responsible for ensuring that this is an appropriate use for the fund in question and the amount is correct. The home department approver is responsible for ensuring that the total assistance entered in GFS for the student is consistent with University policy. In the specific case identified in this finding, it appears that neither the originator, financial approver or home department approver noticed the error. To increase the effectiveness of the controls, the Financial Aid Office will review and
	revise its training procedures and training materials for GFS users and approvers to ensure that they clearly understand how to evaluate the salary data in GFS in consideration of the salary limits approved by the University.
2014-004	<u>Unallowable Cost Identified by Sponsoring Agency</u> Stanford agrees with the finding and recommendation. Stanford will inform the Principal Investigators (PIs) on the awards and provide additional training to university research administrators about collaborative programs of this nature and the need to pay close attention to individual award terms and conditions and the appropriate charging of expenditures. This was a rare agency program designed to promote a high degree of collaboration among PIs. In this instance both awards had a common sponsor, identical titles, a common research objective and shared personnel.
<u>2014-005</u>	<u>Timely Refund of Credit Balance to Awarding Agency</u> Stanford agrees with the finding and recommendation. As demonstrated by the schedule made part of the finding, Stanford has refunded \$14,288 of the credit balances and will investigate and refund the two remaining credit balances as appropriate. Stanford will initiate a control to review credit balances monthly and issue refunds in a timely manner. Stanford will investigate instituting a system control to stop financial transactions from posting to awards after the financial reporting of the award.

<u>Ref No.</u> 2014-006

Changes in Key Personnel did not Receive Prior Approval

Stanford agrees with the finding and recommendation. Stanford will review and improve its processes, training and controls in place to ensure that key personnel are appropriately identified at award setup, monitored during the life of the award and reviewed at award closeout. Stanford notified the NIH of the change in status of the two key personnel prior to the start of the audit.

I will be responsible for ensuring that appropriate adjustments have been made as needed. If you have any questions, please contact me at (650) 723-9102 or at jessech@stanford.edu.

Sincerely,

cher th____

Jesse Charlton Director, Research Administration Policy and Compliance

cc:

Kenneth P. Schulz, Stanford University G. Russell Brewer, Stanford University M. Suzanne Calandra, Stanford University Linda Shipp, Office of Naval Research Rick Moyer, Stanford University Michael MacBryde, PricewaterhouseCoopers, LLP Susan G. Schmitt, Stanford University