



**UNIVERSITY OF PITTSBURGH – OF THE COMMONWEALTH
SYSTEM OF HIGHER EDUCATION**

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

Year ended June 30, 2021

**UNIVERSITY OF PITTSBURGH – OF THE
COMMONWEALTH SYSTEM OF HIGHER EDUCATION**

June 30, 2021

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Independent Auditors' Report

The Board of Trustees
The University of Pittsburgh – Of the Commonwealth
System of Higher Education:

Report on the Consolidated Financial Statements

We have audited the accompanying consolidated financial statements of The University of Pittsburgh – Of the Commonwealth System of Higher Education (the University), which comprise the consolidated balance sheets as of June 30, 2021 and 2020, the related consolidated statements of activities and cash flows for the years then ended, and the related notes to the consolidated financial statements.

Management's Responsibility for the Consolidated Financial Statements

Management is responsible for the preparation and fair presentation of these consolidated financial statements in accordance with U.S. generally accepted accounting principles; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of consolidated financial statements that are free from material misstatement, whether due to fraud or error.

Auditors' Responsibility

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

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the consolidated financial statements. The procedures selected depend on the auditors' 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, the auditor considers internal control relevant to the entity's preparation and fair presentation of the consolidated financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the consolidated financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

In our opinion, the consolidated financial statements referred to above present fairly, in all material respects, the financial position of The University of Pittsburgh – Of the Commonwealth System of Higher Education as of June 30, 2021 and 2020, and the changes in its net assets and its cash flows for the years then ended in accordance with U.S. generally accepted accounting principles.

**Other Reporting Required by *Government Auditing Standards***

In accordance with *Government Auditing Standards*, we have also issued our report dated October 14, 2021 on our consideration of the University's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements and other matters. The purpose of that report is solely to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the University's internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the University's internal control over financial reporting and compliance.

KPMG LLP

Pittsburgh, Pennsylvania
October 14, 2021

CONSOLIDATED BALANCE SHEETS
JUNE 30, 2021 AND 2020
(in thousands of dollars)

| | 2021 | 2020 |
|--|---------------------|---------------------|
| ASSETS: | | |
| Cash and cash equivalents (Notes 1, 2 and 6) | \$ 76,412 | \$ 117,648 |
| Operating investments (Notes 1, 2, 5 and 6) | 1,149,262 | 1,037,526 |
| Inventories and deferred charges | 23,598 | 26,161 |
| Accounts and notes receivable, net (Notes 2 and 3) | 262,084 | 232,318 |
| Contributions receivable, net (Notes 1 and 4) | 51,629 | 56,526 |
| Student loans receivable, net | 28,836 | 32,300 |
| Foundation assets (Note 1) | 41,232 | 35,615 |
| Endowment investments (Notes 5 and 6) | 5,680,226 | 4,203,474 |
| Endowed funds held by third parties (Note 6) | 28,858 | 22,865 |
| Operating lease right-of-use assets, net (Note 7) | 255,645 | 268,368 |
| Property, plant, and equipment, net (Note 8) | 2,053,683 | 1,979,055 |
| TOTAL ASSETS | \$ 9,651,465 | \$ 8,011,856 |
| LIABILITIES: | | |
| Accounts payable and accrued expenses | \$ 128,749 | \$ 104,839 |
| Accrued payroll and related liabilities | 120,189 | 105,219 |
| Deferred student and other revenue (Note 1) | 54,846 | 41,609 |
| Advanced receipt of grant funds (Note 1) | 93,136 | 84,961 |
| Refundable U.S. government student loans | 22,473 | 26,000 |
| Other liabilities (Notes 6 and 10) | 116,654 | 144,857 |
| Pension and postretirement obligations (Note 11) | 731,837 | 721,088 |
| Conditional asset remediation obligation (Note 8) | 28,079 | 28,940 |
| Right-of-use lease liabilities (Note 7) | 296,134 | 300,765 |
| Bonds and notes payable (Note 9) | 1,510,148 | 1,452,894 |
| TOTAL LIABILITIES | 3,102,245 | 3,011,172 |
| NET ASSETS: | | |
| Without donor restrictions (Notes 1, 12 and 13) | | |
| Endowment designated for financial aid | 2,026,302 | 1,556,934 |
| Other designated endowments | 1,427,632 | 1,010,788 |
| Net invested in plant and other | 747,327 | 698,087 |
| Total without donor restrictions | 4,201,261 | 3,265,809 |
| With donor restrictions (Notes 1 and 12) | | |
| Endowments (Note 13) | 2,205,940 | 1,618,332 |
| Other | 142,019 | 116,543 |
| Total with donor restrictions | 2,347,959 | 1,734,875 |
| TOTAL NET ASSETS | 6,549,220 | 5,000,684 |
| TOTAL LIABILITIES AND NET ASSETS | \$ 9,651,465 | \$ 8,011,856 |

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

CONSOLIDATED STATEMENT OF ACTIVITIES
FOR THE YEAR ENDED JUNE 30, 2021
COMPARED TO SUMMARY INFORMATION FOR THE YEAR ENDED JUNE 30, 2020
(in thousands of dollars)

| | 2021 | | | |
|---|----------------------------------|-------------------------------|---------------------|---------------------|
| | Without Donor Restrictions | With Donor Restrictions | Total | 2020 |
| OPERATING REVENUES: | | | | |
| Tuition and fees (net of tuition discounts of \$252.2 million and \$240.1 million) | \$ 612,193 | \$ - | \$ 612,193 | \$ 632,622 |
| Commonwealth appropriation | 183,132 | - | 183,132 | 183,146 |
| Commonwealth construction grants | - | 36,376 | 36,376 | 27,671 |
| Research grants and contracts | 914,459 | - | 914,459 | 878,255 |
| Grants and contracts - HEERF | 39,506 | - | 39,506 | 16,633 |
| Contributions for operations | 37,136 | 14,194 | 51,330 | 56,103 |
| Endowment distributions and investment income | 178,451 | - | 178,451 | 174,968 |
| Sales and services, educational and other | 129,845 | - | 129,845 | 135,139 |
| Sales and services, auxiliary | 97,464 | - | 97,464 | 127,317 |
| UPMC academic support (Note 15) | 259,803 | - | 259,803 | 270,135 |
| Net assets released from restrictions | 29,027 | (29,027) | - | - |
| Total operating revenues | 2,481,016 | 21,543 | 2,502,559 | 2,501,989 |
| OPERATING EXPENSES: | | | | |
| Salaries and wages | 1,177,103 | - | 1,177,103 | 1,164,657 |
| Fringe benefits | 333,357 | - | 333,357 | 333,071 |
| Total compensation | 1,510,460 | - | 1,510,460 | 1,497,728 |
| Supplies | 115,858 | - | 115,858 | 115,591 |
| Business and professional | 320,480 | - | 320,480 | 348,940 |
| Facilities | 92,344 | - | 92,344 | 99,600 |
| Depreciation | 194,531 | - | 194,531 | 194,369 |
| Interest | 47,330 | - | 47,330 | 42,676 |
| Rent | 81,980 | - | 81,980 | 61,077 |
| Other | 81,157 | - | 81,157 | 56,826 |
| Total operating expenses (Note 14) | 2,444,140 | - | 2,444,140 | 2,416,807 |
| Change in net assets from operating activities | 36,876 | 21,543 | 58,419 | 85,182 |
| OTHER ACTIVITIES: | | | | |
| Investment gains (losses), net of endowment distributions for operations | 887,195 | 559,173 | 1,446,368 | (137,066) |
| Contributions for endowment | - | 32,368 | 32,368 | 23,932 |
| Change in fair value of interest rate swaps (Note 10) | 30,778 | - | 30,778 | (35,300) |
| Deferred tax expense (Note 1) | - | - | - | (11,355) |
| Other components of net periodic benefit cost including special termination (Note 11) | (41,849) | - | (41,849) | (23,586) |
| Nonperiodic changes in benefit plans (Note 11) | 22,452 | - | 22,452 | (69,883) |
| Total other activities | 898,576 | 591,541 | 1,490,117 | (253,258) |
| CHANGE IN NET ASSETS | 935,452 | 613,084 | 1,548,536 | (168,076) |
| NET ASSETS, BEGINNING OF YEAR | 3,265,809 | 1,734,875 | 5,000,684 | 5,168,760 |
| NET ASSETS, END OF YEAR | \$ 4,201,261 | \$ 2,347,959 | \$ 6,549,220 | \$ 5,000,684 |

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

CONSOLIDATED STATEMENT OF ACTIVITIES
FOR THE YEAR ENDED JUNE 30, 2020
(in thousands of dollars)

| | 2020 | | |
|---|----------------------------------|-------------------------------|---------------------|
| | Without Donor Restrictions | With Donor Restrictions | Total |
| OPERATING REVENUES: | | | |
| Tuition and fees (net of tuition discounts of \$240.1 million) | \$ 632,622 | \$ - | \$ 632,622 |
| Commonwealth appropriation | 183,146 | - | 183,146 |
| Commonwealth construction grants | 1,838 | 25,833 | 27,671 |
| Research grants and contracts | 878,255 | - | 878,255 |
| Grants and contracts - HEERF | 16,633 | - | 16,633 |
| Contributions for operations | 41,798 | 14,305 | 56,103 |
| Endowment distributions and investment income | 174,968 | - | 174,968 |
| Sales and services, educational and other | 135,139 | - | 135,139 |
| Sales and services, auxiliary | 127,317 | - | 127,317 |
| UPMC academic support (Note 15) | 270,135 | - | 270,135 |
| Net assets released from restrictions | 16,989 | (16,989) | - |
| Total operating revenues | 2,478,840 | 23,149 | 2,501,989 |
| OPERATING EXPENSES: | | | |
| Salaries and wages | 1,164,657 | - | 1,164,657 |
| Fringe benefits | 333,071 | - | 333,071 |
| Total compensation | 1,497,728 | - | 1,497,728 |
| Supplies | 115,591 | - | 115,591 |
| Business and professional | 348,940 | - | 348,940 |
| Facilities | 99,600 | - | 99,600 |
| Depreciation | 194,369 | - | 194,369 |
| Interest | 42,676 | - | 42,676 |
| Rent | 61,077 | - | 61,077 |
| Other | 56,826 | - | 56,826 |
| Total operating expenses (Note 14) | 2,416,807 | - | 2,416,807 |
| Change in net assets from operating activities | 62,033 | 23,149 | 85,182 |
| OTHER ACTIVITIES: | | | |
| Investment losses, net of endowment distributions for operations | (71,936) | (65,130) | (137,066) |
| Contributions for endowment | - | 23,932 | 23,932 |
| Change in fair value of interest rate swaps (Note 10) | (35,300) | - | (35,300) |
| Deferred tax expense (Note 1) | (11,355) | - | (11,355) |
| Other components of net periodic benefit cost (Note 11) | (23,586) | - | (23,586) |
| Nonperiodic changes in benefit plans (Note 11) | (69,883) | - | (69,883) |
| Total other activities | (212,060) | (41,198) | (253,258) |
| CHANGE IN NET ASSETS | (150,027) | (18,049) | (168,076) |
| NET ASSETS, BEGINNING OF YEAR | 3,415,836 | 1,752,924 | 5,168,760 |
| NET ASSETS, END OF YEAR | \$ 3,265,809 | \$ 1,734,875 | \$ 5,000,684 |

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

CONSOLIDATED STATEMENTS OF CASH FLOWS
FOR THE YEARS ENDED JUNE 30, 2021 AND 2020
(in thousands of dollars)

| | 2021 | 2020 |
|---|--------------------|-------------------|
| CASH AND CASH EQUIVALENTS: | | |
| End of year | \$ 76,412 | \$ 117,648 |
| Beginning of year | 117,648 | 10,521 |
| CHANGE IN CASH AND CASH EQUIVALENTS | \$ (41,236) | \$ 107,127 |
| CASH FLOWS FROM OPERATING ACTIVITIES: | | |
| Change in net assets | \$ 1,548,536 | \$ (168,076) |
| Adjustments to reconcile change in net assets to net cash provided by operating activities: | | |
| Depreciation, and amortization of right-of-use assets | 237,032 | 233,595 |
| Deferred tax expense | - | 11,355 |
| Other components of net periodic benefit cost | 41,849 | 23,586 |
| Nonperiodic changes in benefit plans | (22,452) | 69,883 |
| Amortization of debt issuance costs and bond premiums, net | (649) | 836 |
| Loss on disposal of plant assets | 1,378 | 4,124 |
| Investment gains | (1,584,935) | (19,679) |
| Change in fair value of interest rate swaps | (30,778) | 35,300 |
| Contributions restricted for long-term investment | (74,153) | (53,903) |
| Changes in operating assets and liabilities: | | |
| Accounts, notes, contributions, and loans receivable, net | 4,359 | 48,524 |
| Other assets | 2,563 | (1,860) |
| Accounts payable and accrued expenses | 8,189 | 3,722 |
| Pension and postretirement obligations | (8,648) | 4,774 |
| Other liabilities | 34,569 | 21,071 |
| Operating leases, net | (42,050) | (35,388) |
| Net cash provided by operating activities | 114,810 | 177,864 |
| CASH FLOWS FROM INVESTING ACTIVITIES: | | |
| Expended for property, plant, and equipment - University | (225,354) | (219,958) |
| Expended for property, plant, and equipment - commonwealth | (36,376) | (27,671) |
| Change in accounts payable for property, plant, and equipment | 15,721 | (5,118) |
| Purchases/sales of operating investments, net | (121,495) | (544,174) |
| Purchases of endowment investments | (3,998,211) | (5,283,533) |
| Proceeds from sales/maturities of endowment investments | 4,110,185 | 5,419,426 |
| Change in foundation assets and other | (5,642) | (4,746) |
| Net cash used for investing activities | (261,172) | (665,774) |
| CASH FLOWS FROM FINANCING ACTIVITIES: | | |
| Repayments of debt and other | (151,635) | (202,615) |
| Proceeds from issuance of debt and other | 209,538 | 754,986 |
| Repayments on credit facilities | - | (106,500) |
| Borrowings on credit facilities | - | 106,500 |
| Principal payments on finance leases | (1,211) | (1,370) |
| Contributions restricted for long-term investment | 48,434 | 44,036 |
| Net cash provided by financing activities | 105,126 | 595,037 |
| CHANGE IN CASH AND CASH EQUIVALENTS | \$ (41,236) | \$ 107,127 |
| Supplemental disclosure of cash flow information: | | |
| Cash paid for interest (excluding fees) | \$ 48,392 | \$ 35,941 |
| Noncash investing activity for property, plant, and equipment: | | |
| Accounts payable | \$ 38,715 | \$ 22,994 |
| Finance lease obligations | \$ 8,807 | \$ - |

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

NOTE 1: SUMMARY OF SIGNIFICANT ACCOUNTING AND REPORTING PRACTICES

Organization

Founded in 1787, the University of Pittsburgh (the University) is one of the oldest institutions of higher education in the United States. The University's mission is to provide high-quality undergraduate and graduate programs in the arts and sciences and professional fields; engage in research, artistic, and scholarly activities that advance learning through the extension of the frontiers of knowledge and creative endeavor; cooperate with industrial and governmental institutions to transfer knowledge in science, technology, and health care; offer continuing educational programs adapted to the personal enrichment, professional upgrading, and career advancement interests and needs of adult Pennsylvanians; and make available to local communities and public agencies the expertise of the University in ways that are consistent with the primary teaching and research functions and contribute to social, intellectual, and economic development in the commonwealth, the nation, and the world.

The University's main campus in the City of Pittsburgh comprises 16 schools and several academic centers educating approximately 28,200 students in various undergraduate, graduate, and doctorate-professional programs. Four regional campuses with a total enrollment approximating 5,100 students are located throughout western Pennsylvania.

Relationship with the Commonwealth of Pennsylvania

The University derives its corporate existence under the laws of the Commonwealth of Pennsylvania (the commonwealth) by reason of the act of the General Assembly of the commonwealth establishing an "Academy or Public School in the town of Pittsburgh" on February 28, 1787 and from the act of February 18, 1819 incorporating the "Western University of Pennsylvania." In 1908, the University's name was changed to the "University of Pittsburgh" by order of the Court of Common Pleas of Allegheny County. In 1966, the Pennsylvania State Legislature enacted the "University of Pittsburgh-Commonwealth Act," which changed the name of the University to the "University of Pittsburgh – of the Commonwealth System of Higher Education" and established the University as an instrumentality of the commonwealth to serve as a state-related institution in the Commonwealth System of Higher Education. The University is a Pennsylvania nonprofit corporation subject to the Nonprofit Corporation Law of 1988.

The entire management, control, and conduct of the instructional, administrative, and financial affairs of the University are vested with the Board of Trustees. The Board of Trustees is comprised of fifty-two members (thirty-six voting members), including twelve commonwealth trustees and sixteen special trustees elected by the board. Special trustees may attend all meetings of the board and are entitled to and exercise all rights, responsibilities, and privileges of trusteeship, except the right to vote at board meetings.

Funding from the Commonwealth of Pennsylvania

As a state-related institution, the University receives an annual appropriation from the commonwealth. There is no assurance that such appropriation will continue to be made at current levels or at levels requested by the University. In addition, the commonwealth funds certain capital projects in support of the University's mission, as well as support for sponsored research grants and contracts, as presented in the following table:

| | 2021 | 2020 |
|--|----------------------------------|-------------------|
| | <i>(in thousands of dollars)</i> | |
| Commonwealth appropriation: | | |
| General support | \$ 151,507 | \$ 151,507 |
| Rural Education Outreach | 3,346 | 3,346 |
| Supplemental funds – Academic Medical Centers and general support | 28,279 | 28,293 |
| Total commonwealth appropriation | 183,132 | 183,146 |
| Commonwealth construction grants | 36,376 | 27,671 |
| Commonwealth research grants and contracts | 14,375 | 13,712 |
| Total | \$ 233,883 | \$ 224,529 |

Basis of Presentation

The consolidated financial statements include the accounts of the University, which do not include the net assets or activities of the University of Pittsburgh Medical Center (UPMC) or the University of Pittsburgh Physicians (UPP) clinical practice plans, as they are separate legal entities affiliated with but not controlled by the University. The University has the right to designate one-third of the members of the UPMC Board of Directors and any Executive Committee thereof.

The other activities section of the Consolidated Statements of Activities includes investment gains (losses), net of endowment distributions for operations; contributions for endowment; change in fair value of interest rate swaps; deferred tax expense; other components of net periodic benefit cost including special termination; and nonperiodic changes in pension and postretirement benefit plans. Endowment distributions for operations represent those distributions not reinvested in the endowment (see Note 13).

Basis of Accounting

The consolidated financial statements have been prepared on the accrual basis of accounting in conformity with U.S. generally accepted accounting principles (GAAP) as promulgated by the Financial Accounting Standards Board (FASB) Accounting Standards Codification (ASC) 958, *Not-for-Profit Entities*.

The University's net assets have been classified in accordance with the presence or absence of donor-imposed restrictions and are reported as follows:

- Net assets without donor restrictions - Includes revenues, gains, and losses, which are free from donor restrictions and are available for the general operating purposes of the University. All University expenses are reported as a reduction in net assets without donor restrictions. This class of net assets includes contributions and endowment distributions whose donor-imposed restrictions have been met within the fiscal year as well as endowment funds designated by the University's Board of Trustees or management, as delegated by the board. Restrictions are considered to be released if unrestricted resources are used for a purpose for which restricted resources are available. Contributions for capital construction or acquisition are reported as net assets without donor restrictions once the asset is placed into service.
- Net assets with donor restrictions - Includes donor-imposed restrictions that may be met by the University through the passage of time or through the use of such funds in accordance with the donor's wishes. These funds include endowed contributions and pledges requiring that the original corpus be maintained in perpetuity. The distributions generated by these contributions may be either expended or reinvested in the endowment in accordance with donor restrictions and endowment contribution and spending policies. This net asset category also includes donor restricted funds to be used as revolving student loan funds in perpetuity.

Donor restricted contributions are reported as increases in net assets with donor restrictions. When a restriction expires, net assets are reclassified from net assets with donor restrictions to net assets without donor restrictions in the Consolidated Statements of Activities.

Estimates

Preparation of the consolidated financial statements requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities, 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 materially from those estimates.

Revenue Recognition – Contracts with Customers and Accounts Receivable

The University recognizes revenue as it depicts the transfer of promised goods or services to customers in an amount that reflects the consideration it expects to be entitled in the exchange. The University uses the portfolio approach, a practical expedient, to evaluate if a contract exists and to assess collectability at the time of contract inception based on historical experience. Contracts are periodically reviewed for collectability.

The following table presents the University's net revenue from contracts with customers:

| | 2021 | 2020 |
|---|----------------------------------|---------------------|
| | <i>(in thousands of dollars)</i> | |
| Net tuition and fees | \$ 612,193 | \$ 632,622 |
| UPMC academic support | 259,803 | 270,135 |
| Sales and services, educational and other | 129,845 | 135,139 |
| Sales and services, auxiliary | 97,464 | 127,317 |
| Total | \$ 1,099,305 | \$ 1,165,213 |

Tuition and fees include tuition from undergraduate, graduate and doctorate-professional programs (net of discounts), and various academic related fees. The University recognizes this revenue as the academic services are rendered and the performance obligation is met, which occurs ratably over the applicable period of instruction or academic term. Undergraduate programs totaled 72.4% and 72.0% of net tuition and fees in 2021 and 2020, respectively.

Tuition discounts are recorded to the extent that either institutional financial aid or aid funded by contributions, endowment distributions, and grant activities are awarded. Tuition discounts awarded in 2021 and 2020 were \$252.2 million and \$240.1 million, respectively. The portion of tuition discounts attributable to institutional funds in 2021 and 2020 were \$216.1 million and \$208.3 million, respectively. Tuition discounts attributable to contributions, donor-restricted endowment distributions, and grant activities were \$36.1 million and \$31.8 million in 2021 and 2020, respectively. Such discounts are reflected within net tuition and fees.

UPMC academic support includes revenues from UPMC and UPP to support teaching, research, and community service functions at the University. Revenue is recognized for these activities as performance obligations are met (see Note 15).

Sales and services, educational and other includes revenues from activities to provide students an enhanced educational experience including athletics, student services, and the global experiences program. Revenue is recognized for these activities as performance obligations are met, which occurs ratably over the period of performance.

Sales and services, auxiliary includes revenues from activities conducted primarily to provide goods or services for students, faculty, and staff. Housing and meal plan revenue in 2021 and 2020 comprised 84.9% and 82.8%, respectively, and are recognized as performance obligations are met, which occurs ratably over the academic term. The remaining revenue consists primarily of book store and parking operations, which is generally recognized at the point of sale.

Students are invoiced prior to the start of the academic term and payment is generally due within three weeks of the start of classes. Student charges are comprised of all educational related items including tuition and educational materials. Receivables related to sales and services are invoiced based upon contractual terms with students and others.

The University maintains allowances for doubtful accounts to reflect management's best estimate of probable losses inherent in receivable balances. Management determines the allowances for doubtful accounts based on known troubled accounts, the age of the receivable, the anticipated source of payment, historical allowance considerations, and other currently available evidence. Consideration is also given to any specific known risk areas among the existing accounts receivable balances. Receivables are written off when management determines they will not be collected. Recoveries of receivables previously written off are recorded when received.

The University has no significant contract assets or deferred contract costs at June 30, 2021 or June 30, 2020.

The University recognizes a contract liability, or deferred revenue, for payments received in advance of providing services under certain contracts. Contract liabilities include advanced receipt of student tuition and fees, athletic ticket sales, and housing and food service revenue. These contract liabilities are recorded in deferred student and other revenue on the Consolidated Balance Sheets. Revenue recognized related to prior period contract liabilities in 2021 and 2020 was \$34.9 million and \$39.2 million, respectively.

Revenue Recognition - Contributions

The University recognizes revenue from contributions in accordance with the existence, or absence, of conditions placed on the contribution. Revenue from conditional contributions is recognized when the conditions surrounding the contribution or pledge are substantially met, while unconditional contributions are recognized as revenue immediately in the period the contribution or pledge is made.

Commonwealth appropriation revenue is provided by the commonwealth to support the general operations of the University and allows for a reduction in tuition rates for Pennsylvania resident students. The reduction in rates in 2021 and 2020 amounted to \$283.8 million and \$288.3 million, respectively. Funds are to be spent in accordance with applicable laws and revenue is recognized ratably over the fiscal year as qualified expenses are incurred.

Commonwealth construction grants are provided by the commonwealth to fund certain capital projects in support of the University's mission. This revenue is classified as with donor restrictions until the capital project is completed and placed in service, at which time the net assets are released from restrictions.

The University conducts sponsored program activity with various sponsors, including agencies and departments of the federal government, the commonwealth, local government entities, companies, and foundations. Sponsored activity in 2021 and 2020 was \$954.0 million and \$894.9 million (including \$39.5 million and \$16.6 million of grants and contracts – HEERF), respectively, with approximately 63% of the funding awarded through the National Institutes of Health. Most University sponsored activity is conducted on a cost-reimbursable basis with the University recognizing revenue as qualifying expenses are incurred. Certain sponsors, however, provide funding in advance of related expenses, and such funding is recorded as advanced receipt of grant funds on the Consolidated Balance Sheets. There is no assurance that sponsored awards will continue to be made at current levels.

The University initially records at fair value unconditional pledges (which are agreements with donors involving non-reciprocal transfers of cash or other assets) as net assets with donor restrictions or without donor restrictions depending on the existence, or absence, of donor-imposed restrictions. Contributions whose restrictions are met in the same fiscal year in which they are received are reported with net assets without donor restrictions. Contributions receivable are discounted at a risk-adjusted rate commensurate with the donor's payment plan.

Cash and Cash Equivalents and Operating Investments

Cash equivalents consist of operating investments with original maturities of 90 days or less. Operating investments include U.S. Treasury instruments and other high-quality, liquid securities that at the time of purchase are rated A3/P-1 or better by Moody's Investors Service or A-/A-1 or better by Standard & Poor's Ratings Services. Operating investments, together with cash and cash equivalents, are utilized to fund the University's short-term operating needs and are invested with the expectation that such securities can be liquidated at their current value in a short time frame. Cash equivalents associated with endowment investments are shown therewith, as such funds are utilized for endowment purposes rather than University operating needs and therefore are not included in cash and cash equivalents for purposes of the statement of cash flows.

Foundation Assets

The University's foundation assets represent the University's interest in the Bradford Educational Foundation (BEF). The BEF is a 509(a)(3) Type III supporting organization whose sole purpose is to receive, administer, and distribute property for the benefit of the University of Pittsburgh Bradford campus. The BEF is governed by an independent board of directors, with the majority of members being non-University members. Although the University does not exercise control of the BEF, all assets held by the BEF are held for the financial benefit of the University. As such, the consolidated financial statements include the net assets and annual change in net assets of the BEF.

Endowment Investments

The University's endowment investments are reported at fair value. The fair value of direct University holdings in publicly traded securities and exchange traded funds are based upon quoted or published market prices. The fair value of all other investments, which consist of indirect holdings in both privately and publicly traded assets, is determined using net asset value (NAV) per share or unit of interest. Used as a practical expedient for the estimated fair value, NAV per share or its equivalent is provided by the fund managers and reviewed by the University. Indirect holdings of private assets primarily consist of University interests in funds investing in non-marketable alternatives, real assets, and/or distressed securities, whereas indirect holdings of publicly traded assets primarily consist of University interests in marketable alternatives or other commingled funds. Non-marketable alternatives are private equity or equity-like holdings, such as mezzanine and subordinated debt interests, in venture capital, buyout, or recapitalized companies or properties. Real assets are physical assets, or financial assets associated with such physical assets, whose income streams and/or fair values tend to rise with inflation; they include real estate, natural resources, commodities, and other hard assets. Marketable alternatives consist of absolute return-oriented strategies, distressed debt, long/short equity, and other hedging strategies. In the case of indirect holdings, changes in market conditions, economic environment, regulatory environment, currency exchange rates, interest rates, and commodity prices may significantly impact the NAV of the funds holding the investments and, consequently, the fair value of the University's interest in such funds and could materially affect the amounts reported in the consolidated financial statements. Although a secondary market exists for these investments, it is not active, and individual transactions are typically not observable. When transactions do occur in this limited secondary market, they may occur at discounts to the reported NAV. It is therefore possible that if the University were to sell these investments in the secondary market, a buyer may require a discount to the reported NAV, and the discount could be significant. The University attempts to manage these risks through diversification, ongoing due diligence of fund managers, maintaining adequate liquidity, and continuously monitoring economic and market conditions.

Dividend income is recognized net of applicable withholding taxes on the ex-dividend date. Noncash dividends are recorded at the fair value of the securities received. Interest income and expenses are recorded net of management fees and applicable withholding taxes on the accrual basis of accounting.

Government Loan Funds

U.S. government student loans are recorded as liabilities because these funds are refundable to the federal government under certain conditions. Student loan funds donated by private groups, organizations, or individuals are recorded as net assets with donor restrictions since such funds operate on a revolving fund basis with principal and interest payments remaining in the fund for future lending.

Derivative Financial Instruments

The University records derivatives at fair value on the Consolidated Balance Sheets with changes in fair value reflected in the Consolidated Statements of Activities (see Note 10).

Split-Interest Agreements

These agreements with donors consist primarily of charitable gift annuities, pooled income funds, and irrevocable charitable remainder trusts for which the University serves as trustee. Assets are invested and payments are made to donors and/or other beneficiaries in accordance with the respective agreements. Endowment investments include \$33.2 million and \$31.1 million at June 30, 2021 and 2020, respectively, and other liabilities include \$14.8 million and \$15.6 million at June 30, 2021 and 2020, respectively, for split-interest agreements.

The University maintains separate and distinct reserve funds adequate to meet future payments of all outstanding charitable gift annuities administered by the University. The University complies with applicable state annuity reserve requirements.

Property, Plant, and Equipment, Net

Property, plant, and equipment is recorded at cost, or if acquired by contribution, at fair value as of the date of the contribution. Depreciation is calculated using the straight-line method. Useful lives generally range from 15 to 40 years for buildings and improvements and 5 to 10 years for furnishings and equipment. As assets are retired, sold, or otherwise disposed, the cost and related accumulated depreciation are removed from the Consolidated Balance Sheets, and gains or losses are recognized in the Consolidated Statements of Activities. Costs associated with the construction of new facilities and renovation and expansion of existing facilities are capitalized within construction in progress until such projects are placed in service. The University capitalizes software and certain implementation costs and generally depreciates such assets over 5 to 10 years. Works of art, historical treasures, and similar assets include a variety of paintings, sculptures, photographs, antiques, and furnishings, as well as scholarly papers and archives. These assets are used for public exhibition, the preservation of artifacts and antiques for future generations, and scholarly research. Due to their nature, these assets are not depreciated. Library books, which include hard copy publications, periodicals, and electronic publications with rights to archival content, are depreciated over a period of 7 years. Maintenance and repairs are expensed as incurred.

Insurance Liabilities

The University is self-insured through an agreement with UPMC to provide medical coverage for its employees. A liability for estimated incurred but unreported claims of \$10.0 million and \$9.0 million has been recorded at June 30, 2021 and 2020, respectively, based upon management's analysis of claims history. This liability is reflected in accrued payroll and related liabilities on the Consolidated Balance Sheets.

The University is also self-insured for other activities, including workers' compensation, unemployment compensation, and certain litigation claims. Liabilities have been established for these programs generally based on third-party administrators' estimates using the University's historical loss experience. The self-insurance accrual is subject to periodic adjustment by the University based on actual loss experience factors. Liabilities for these other self-insured obligations aggregated \$6.2 million and \$10.7 million at June 30, 2021 and 2020, respectively, and are included in accrued payroll and related liabilities on the Consolidated Balance Sheets.

Recent Accounting Pronouncements

In September 2020, FASB issued the Accounting Standard Update (ASU) No. 2020-07, *Presentation and Disclosures by Not-for-Profit Entities for Contributed Nonfinancial Assets*. The ASU is effective for 2022 and should be applied on a retrospective basis. The ASU aims to increase transparency about the measurement of contributed nonfinancial assets recognized and the amount of those contributions used in an entity's programs by requiring specific financial statement presentation along with certain disclosures. The University is currently evaluating the impact this ASU will have on the consolidated financial statements and related disclosures.

In 2021, the University adopted the ASU No. 2020-04, *Reference Rate Reform (Topic 848): Facilitation of the Effects of Reference Rate Reform on Financial Reporting*, and ASU No. 2021-01, *Reference Rate Reform (Topic 848): Scope*. These ASUs provide optional guidance to ease the potential burden in accounting for (or recognizing the effects of) reference rate reform, i.e., the discontinuation of the London Interbank Offered Rate (LIBOR) or another reference rate in a contract, on financial reporting. The guidance permits an entity, when certain criteria are met, to account prospectively for amendments to contracts made to comply with reference rate reform as a continuation of the existing contract. The University has certain interest-rate exchange agreements (see Note 9) that utilize LIBOR. As LIBOR is expected to be discontinued as a reference rate after 2021, a new reference rate or rates will need to replace LIBOR in these contracts, which the University is currently evaluating. These ASUs did not impact financial results in 2021.

Tax-Exempt Status

The University is exempt from federal income tax under Section 501(c)(3) of the United States Internal Revenue Code. Accordingly, it is not subject to income taxes except to the extent it has taxable income from activities that are not related to its exempt purpose. The University annually reviews its tax positions and has determined that there are no material uncertain tax positions that require recognition in the consolidated financial statements. No provision for income taxes was required for 2021 or 2020.

In 2019, the University recorded an \$11.4 million deferred tax benefit as management believed it was more likely than not that unrelated business income from parking operations would generate sufficient taxable income in future periods such that federal net operating loss carryforwards would be utilized. On December 20, 2019, the Taxpayer Certainty and Disaster Tax Relief Act of 2019 was signed into law, which retroactively repealed the "parking tax" for tax exempt organizations. As a result, the University removed the deferred tax benefit recorded in 2019 and a full valuation allowance was recorded at June 30, 2020.

Reclassifications

Certain 2020 operating revenue line items include reclassifications related to the presentation of Higher Education Emergency Relief Fund (HEERF) grants and contracts. There was no change in total 2020 operating revenues.

NOTE 2: LIQUIDITY AND AVAILABILITY OF FINANCIAL ASSETS

As of June 30, the following financial assets could be made available within one year of the balance sheet date to meet general expenditures:

| | 2021 | 2020 |
|---|----------------------------------|---------------------|
| | <i>(in thousands of dollars)</i> | |
| Cash and cash equivalents | \$ 76,412 | \$ 117,648 |
| Operating investments | 1,127,701 | 1,015,898 |
| Accounts and notes receivable, net | 262,084 | 232,318 |
| Payout on designated endowment – financial aid | 75,847 | 75,976 |
| Payout on endowments - other | 86,006 | 82,732 |
| Financial assets available within one year | \$ 1,628,050 | \$ 1,524,572 |

The University regularly monitors liquidity required to meet all general and capital expenditures, liabilities, and contractual obligations, while striving to maximize the investment of its available funds. For purposes of analyzing resources available to meet general operating needs over a twelve-month period, the University considers all expenditures related to its ongoing activities of teaching, research, and public service mission. This includes operating expenses, principal and interest payments on debt, and capital-related expenditures. Resources not available to meet general expenditures within one year may include those with external limitations imposed by donors, laws, contracts, or internal limitations imposed by management restrictions.

The University has various sources of liquidity, including cash and cash equivalents, operating investments, and lines of credit. Operating investments consist of high-quality securities which are utilized to fund the University's short-term operating needs and are invested with the expectation that such securities can be liquidated at their current value in a short time frame.

Accounts and notes receivable consists of amounts due from students; sponsors of research, instruction, and public service initiatives; UPMC; the commonwealth; and various other entities. All amounts are expected to be converted to cash within twelve months. Student loans receivable are not included, as principal and interest on these loans are used solely to make new loans and are, therefore, not available to meet current operating needs.

The University maintains a management designated endowment fund, the payout from which is used to support student financial aid. Payout on other endowments represents distributions on endowments which are expected to be available for use in the next twelve months. These funds are primarily available to the academic units in which the endowments were directed and are used to support scholarships, chairs and other initiatives.

To help manage unanticipated liquidity needs, the University has four general unsecured credit facilities aggregating \$100.0 million at June 30, 2021. No draws were made against the facilities during 2021. Termination dates on the lines of credit available at June 30, 2021 range from January 2023 to January 2025. It is management's intention to extend each credit facility.

The University also maintains two unsecured credit facilities aggregating \$150.0 million at June 30, 2021 to manage the cash flow requirements of the University's endowment. The University made draws of \$106.5 million against the facilities during 2020 and there were no outstanding balances at June 30, 2020. No draws were made against the facilities during 2021. The \$50.0 million credit facility terminates in January 2023 and the \$100.0 million credit facility terminates in January 2025.

NOTE 3: ACCOUNTS AND NOTES RECEIVABLE, NET

Accounts and notes receivable, net, at June 30 consists of the following:

| | 2021 | 2020 |
|---|----------------------------------|-------------------|
| | <i>(in thousands of dollars)</i> | |
| Sponsored grant receivables, net | \$ 158,696 | \$ 147,453 |
| Plant construction receivables due from commonwealth | 45,000 | 18,692 |
| Other receivables, net | 20,343 | 22,119 |
| Hospitals and affiliated organizations receivables, net | 14,568 | 37,386 |
| Student receivables, net | 12,290 | 6,668 |
| Commonwealth appropriation receivable | 11,187 | - |
| Total accounts and notes receivable, net | \$ 262,084 | \$ 232,318 |

NOTE 4: CONTRIBUTIONS RECEIVABLE, NET

Contributions receivable, net, at June 30 consists of the following:

| | 2021 | 2020 |
|--|----------------------------------|------------------|
| | <i>(in thousands of dollars)</i> | |
| Amounts due in: | | |
| Less than one year | \$ 19,008 | \$ 20,051 |
| One to five years | 31,250 | 31,299 |
| Greater than five years | 4,210 | 7,527 |
| Gross contributions receivable | 54,468 | 58,877 |
| Less: | | |
| Allowance for uncollectible pledges | (1,702) | (1,650) |
| Unamortized discounts | (1,137) | (701) |
| Total contributions receivable, net | \$ 51,629 | \$ 56,526 |

At both June 30, 2021 and 2020, the five largest outstanding pledge balances represented 49% of the University's net contributions receivable.

The University has been named a beneficiary in the wills of numerous donors or has received conditional pledges totaling \$320.4 million and \$298.0 million at June 30, 2021 and 2020, respectively. These bequests are considered intentions to give and do not fall within the definition of an unconditional pledge, and hence, are not recognized in the consolidated financial statements.

NOTE 5: ENDOWMENT AND OPERATING INVESTMENTS

Investments at June 30 consist of the following:

| | 2021 | 2020 |
|--|----------------------------------|---------------------|
| | <i>(in thousands of dollars)</i> | |
| Endowment investments: | | |
| Pooled | \$ 5,633,575 | \$ 4,160,404 |
| Nonpooled | 46,651 | 43,070 |
| Subtotal endowment investments | 5,680,226 | 4,203,474 |
| Operating investments | 1,149,262 | 1,037,526 |
| Total endowment and operating investments | \$ 6,829,488 | \$ 5,241,000 |
| Composition of endowment investments: | | |
| Cash equivalents | \$ 288,581 | \$ 237,390 |
| Domestic equities | 498,674 | 386,263 |
| International equities | 924,067 | 824,176 |
| U.S. government and government agencies' securities, bank acceptances and certificates, and commercial paper | 176,643 | 151,707 |
| Corporate bonds and other obligations | 43,350 | 44,475 |
| Alternative investment funds, partnerships, and exchange traded funds: | | |
| Marketable alternatives | 1,019,270 | 900,912 |
| Nonmarketable alternatives | 1,784,728 | 965,100 |
| Real assets | 944,913 | 693,451 |
| Total endowment investments | \$ 5,680,226 | \$ 4,203,474 |
| Composition of operating investments: | | |
| U.S. government and government agencies' securities, repurchase agreements, and commercial paper | \$ 693,903 | \$ 594,460 |
| Corporate bonds and other obligations | 430,797 | 419,763 |
| Other | 24,562 | 23,303 |
| Total operating investments | \$ 1,149,262 | \$ 1,037,526 |

Unless precluded by size or donor restrictions, individual endowment fund assets are pooled and collectively managed on a unitized basis. Each endowment fund subscribes to or disposes of units in the pool using fair value per unit at the beginning of the month that such subscription or disposition occurs to account for the transaction.

The philosophies and policies employed in the management of the endowment are long-term by definition, as they are based on the expectation that the endowment will continue to provide financial support to the University in perpetuity. Accordingly, the University's investment policy is intended to optimize long-term total return — income plus capital appreciation — relative to the level of risk taken.

The University's investment policy contemplates the effects of its spending policy. The endowment spending policy balances the need for reliable and predictable earnings distributions to support current University activities with the desire to maintain the purchasing power of endowment assets so that they can continue providing financial support for future generations.

The following table summarizes the University's investments at June 30, 2021 and 2020, for which NAV was used as a practical expedient to estimate fair value:

| Asset Class | Fair Value Determined Using NAV | | Unfunded Commitments | Redemption | Redemption |
|-------------------------------|------------------------------------|---------------------|-------------------------|-----------------|------------------|
| | 2021 | 2020 | at June 30, 2021 | Frequency | Notice Period |
| (in thousands of dollars) | | | | | |
| International equities | \$ 579,276 | \$ 400,666 | \$ - | 30 days-3 years | 30-90 days |
| Marketable alternatives: | | | | | |
| Redeemable within one year | 696,016 | 704,963 | - | 30-365 days | 30-90 days |
| Redeemable beyond one year | 217,950 | 129,399 | - | 1-3 years | 60-90 days |
| Nonredeemable | 81,002 | 35,701 | 19,770 | NA | NA |
| Total marketable alternatives | 994,968 | 870,063 | 19,770 | | |
| Nonmarketable alternatives | 1,784,728 | 965,100 | 698,917 | NA | NA |
| Real assets - Nonredeemable | 944,913 | 693,451 | 614,737 | NA | NA |
| Total | \$ 4,303,885 | \$ 2,929,280 | \$ 1,333,424 | | |

Descriptions follow for each asset class set forth in the table above:

International Equities

A portion of the University's investments in international equities includes interests in six funds that hold publicly traded domestic, international, and emerging market equities.

Marketable Alternatives

The University's investments in marketable alternatives are interests in commingled funds that hold various combinations of long and short positions predominantly in publicly traded equities, fixed income, and financial derivatives. Funds that are nonredeemable typically have investment periods of three or more years during which committed capital may be called and invested. The University's interests in the nonredeemable funds are considered to be illiquid in that they are not easily transferable and typically achieve liquidity over multi-year periods when and if the fund managers distribute proceeds realized from the underlying fund assets.

Nonmarketable Alternatives

The University's investments in nonmarketable alternatives are interests in commingled, private equity funds, including venture capital. These funds are invested in equity and equity-like securities of mostly non-publicly traded companies over investment periods of typically three to five years during which committed capital may be called and invested. The University's interests in private equity funds are considered to be illiquid in that they are not easily transferable and typically achieve liquidity over multi-year periods when and if the fund managers distribute proceeds realized from underlying fund assets. In addition to investments in commingled funds, the University may invest directly in privately-held companies alongside its commingled funds.

Real Assets

The University's investments in real assets are interests in commingled funds that hold various combinations of publicly and non-publicly traded physical assets (such as real estate, natural resources, commodities, and utilities), the financial assets and derivatives associated with such physical assets, and the equity and equity-like securities of companies engaged in physical asset ownership, operations and/or services. Funds that are nonredeemable typically have investment periods of three or more years during which committed capital may be called and invested. The University's interests in the nonredeemable funds are considered to be illiquid in that they are not easily transferable and typically achieve liquidity over multi-year periods when and if the fund managers distribute proceeds realized from the underlying fund assets.

NOTE 6: FAIR VALUE MEASUREMENTS

Fair value is defined as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. The three levels of the fair value hierarchy are as follows:

- Level 1 – Unadjusted quoted or published prices in active markets for identical assets or liabilities that are available at the measurement date.
- Level 2 – Inputs other than quoted or published prices included within Level 1 that are observable for the asset or liability, either directly or indirectly.
- Level 3 – Unobservable inputs for the asset or liability that are used to measure fair value when observable inputs are not available. These inputs are developed based upon the best information available in such circumstances.

In the event that changes in the inputs used in the fair value measurement of an asset or liability result in a transfer of the fair value measurement into a different level, such transfers are recognized at the end of the reporting period.

The following tables summarize the inputs used in valuing the University's assets and liabilities carried at fair value, excluding investments stated at NAV as a practical expedient, at June 30, 2021 and 2020:

| | 2021 | | | Total |
|--|----------------------------------|-------------------|------------------|---------------------|
| | Level 1 | Level 2 | Level 3 | |
| Assets | <i>(in thousands of dollars)</i> | | | |
| Cash equivalents | \$ 49,395 | \$ 27,017 | \$ - | \$ 76,412 |
| Endowment investments: | | | | |
| Cash equivalents | 150,865 | 137,716 | - | 288,581 |
| Domestic equities | 420,328 | 78,346 | - | 498,674 |
| International equities | 344,227 | - | 564 | 344,791 |
| U.S. government, corporate bonds, and other obligations | 201,214 | 15,000 | 3,779 | 219,993 |
| Marketable alternatives | 24,129 | 173 | - | 24,302 |
| Subtotal endowment investments ⁽¹⁾ | 1,140,763 | 231,235 | 4,343 | 1,376,341 |
| Operating investments: | | | | |
| U.S. government, corporate bonds, and other obligations | 969,003 | 155,697 | - | 1,124,700 |
| Other | 3,001 | - | 21,561 | 24,562 |
| Endowed funds held by third parties | - | - | 28,858 | 28,858 |
| Total assets | \$ 2,162,162 | \$ 413,949 | \$ 54,762 | \$ 2,630,873 |
| Liabilities | | | | |
| Interest rate swaps | \$ - | \$ 82,076 | \$ - | \$ 82,076 |

| | 2020 | | | |
|--|----------------------------------|-------------------|------------------|---------------------|
| | Level 1 | Level 2 | Level 3 | Total |
| Assets | <i>(in thousands of dollars)</i> | | | |
| Cash equivalents | \$ 42,827 | \$ 74,821 | \$ - | \$ 117,648 |
| Endowment investments: | | | | |
| Cash equivalents | 145,270 | 92,120 | - | 237,390 |
| Domestic equities | 383,851 | 2,412 | - | 386,263 |
| International equities | 422,341 | 1,169 | - | 423,510 |
| U.S. government, corporate bonds, and other obligations | 169,457 | 22,946 | 3,779 | 196,182 |
| Marketable alternatives | 5,999 | 24,850 | - | 30,849 |
| Subtotal endowment investments ⁽¹⁾ | 1,126,918 | 143,497 | 3,779 | 1,274,194 |
| Operating investments: | | | | |
| U.S. government, corporate bonds, and other obligations | 887,358 | 126,865 | - | 1,014,223 |
| Other | 1,675 | - | 21,628 | 23,303 |
| Endowed funds held by third parties | - | - | 22,865 | 22,865 |
| Total assets | \$ 2,058,778 | \$ 345,183 | \$ 48,272 | \$ 2,452,233 |
| Liabilities | | | | |
| Interest rate swaps | \$ - | \$ 112,854 | \$ - | \$ 112,854 |

(1) The subtotals of endowment investments within the fair value tables above exclude investments of \$4,303,885 and \$2,929,280 as of June 30, 2021 and 2020, respectively, which are measured at NAV as a practical expedient and are not classified in the fair value hierarchy (see Note 5).

The following table summarizes the change in the Level 3 activity for the years ended June 30, 2021 and 2020:

| | International Equities | U.S. Government Corporate and Other | Other Operating and Endowed Funds Held by Third Parties | Total |
|-----------------------------------|----------------------------------|---|---|-----------|
| | <i>(in thousands of dollars)</i> | | | |
| Fair Value - June 30, 2019 | \$ 2,541 | \$ 11,561 | \$ 45,295 | \$ 59,397 |
| Capital calls/purchases | - | - | 1,138 | 1,138 |
| Distributions/sales | (1,851) | (7,829) | (1,032) | (10,712) |
| Realized gains | 451 | 709 | - | 1,160 |
| Unrealized (losses) | (1,141) | (662) | (908) | (2,711) |
| Fair Value - June 30, 2020 | \$ - | \$ 3,779 | \$ 44,493 | \$ 48,272 |
| Capital calls/purchases | 758 | - | 309 | 1,067 |
| Distributions/sales | (272) | - | (3,181) | (3,453) |
| Realized gains | 32 | - | 644 | 676 |
| Unrealized gains | 46 | - | 8,154 | 8,200 |
| Fair Value - June 30, 2021 | \$ 564 | \$ 3,779 | \$ 50,419 | \$ 54,762 |

NOTE 7: LEASES

The University has operating and finance leases for campus facilities, office space, equipment and vehicles. Right-of-use (ROU) assets represent the University's right to use an underlying asset for the lease term, if greater than twelve months. Lease obligations represent the University's liability to make lease payments arising from the lease. Operating and finance lease ROU assets and related obligations are recognized at commencement date based on the present value of lease payments over the lease term discounted using an appropriate incremental borrowing rate. The incremental borrowing rate is based on the information available at commencement date in determining the present value of lease payments. The value of an option to extend or terminate a lease is reflected to the extent it is reasonably certain management will exercise that option. Lease expense for lease payments is recognized on a straight-line basis over the lease term. Interest expense is recognized as a component of the lease payment for finance leases.

Rental income arising from operating leases as a lessor is included in operating revenue in sales and services, educational and other in the Consolidated Statements of Activities.

The Consolidated Balance Sheet location of assets and liabilities related to operating and finance leases as of June 30, follow:

| | Location on Consolidated Balance Sheets | 2021 | 2020 |
|-------------------------------------|--|----------------------------------|-------------------|
| Assets: | | <i>(in thousands of dollars)</i> | |
| Operating lease assets | Operating lease right-of-use assets, net | \$ 255,645 | \$ 268,368 |
| Finance lease assets ^(a) | Property, plant and equipment, net | 31,945 | 25,912 |
| Total lease assets | | \$ 287,590 | \$ 294,280 |
| Liabilities: | | | |
| Operating lease liabilities | Right-of-use lease liabilities | \$ 260,323 | \$ 272,549 |
| Finance lease liabilities | Right-of-use lease liabilities | 35,811 | 28,216 |
| Total lease liabilities | | \$ 296,134 | \$ 300,765 |

(a) Finance lease assets are recorded net of accumulated depreciation of \$17.0 million and \$14.2 million as of June 30, 2021 and 2020, respectively.

The following table is a summary of the components of lease expense for the years ended June 30:

| | Location on Consolidated Statements of Activities | 2021 | 2020 |
|-------------------------------|---|----------------------------------|------------------|
| | | <i>(in thousands of dollars)</i> | |
| Operating lease expense | Rent | \$ 49,533 | \$ 46,101 |
| Finance lease expense | | | |
| Amortization of ROU assets | Depreciation | 2,774 | 2,967 |
| Interest on lease liabilities | Interest | 1,902 | 1,544 |
| Short-term lease expense | Rent | 21,759 | 1,719 |
| Variable lease expense | Rent | 12,939 | 13,773 |
| Total lease cost | | \$ 88,907 | \$ 66,104 |

The University recognized \$2.1 million and \$2.9 million in sublease income included in sales and services, educational and other in the Consolidated Statements of Activities for the years ended June 30, 2021 and 2020, respectively.

When the rate implicit in the contract is not readily determinable, a collateralized incremental borrowing rate is used as the discount rate for the present value of lease payments. Lease terms and discount rates follow:

| Weighted average remaining lease term (years): | 2021 | 2020 |
|--|-------|-------|
| Operating leases | 7.34 | 8.19 |
| Finance leases | 13.17 | 13.66 |
| Weighted average discount rate: | | |
| Operating leases | 2.48% | 2.69% |
| Finance leases | 4.05% | 4.43% |

Supplemental cash flow information related to leases as of and for the years ended June 30, 2021 and 2020 are as follows:

| | 2021 | 2020 |
|--|----------------------------------|------------|
| Cash paid for amounts included in the measurement of lease liabilities: | <i>(in thousands of dollars)</i> | |
| Operating cash flows paid for operating leases | \$ 49,055 | \$ 45,269 |
| Operating cash flows paid for interest portion of finance leases | \$ 1,902 | \$ 1,544 |
| Financing cash flows paid for principal portion of finance leases | \$ 1,211 | \$ 1,370 |
| Right-of-use assets obtained in exchange for new operating lease liabilities | \$ 26,483 | \$ 113,681 |
| Right-of-use assets obtained in exchange for new finance lease liabilities | \$ 8,807 | \$ - |

The approximate future minimum lease payments under operating and financing leases as of June 30, 2021 are as follows:

| | Operating Leases | Finance Leases |
|---|----------------------------------|------------------|
| | <i>(in thousands of dollars)</i> | |
| 2022 | \$ 47,486 | \$ 3,560 |
| 2023 | 44,639 | 3,591 |
| 2024 | 41,123 | 3,664 |
| 2025 | 35,222 | 3,595 |
| 2026 | 32,883 | 3,627 |
| Thereafter | 88,877 | 30,714 |
| Total lease payments | 290,230 | 48,751 |
| Less: imputed interest | (29,907) | (12,940) |
| Present value of lease liabilities | \$ 260,323 | \$ 35,811 |

Approximate future minimum rental revenue under operating leases that have initial or remaining noncancelable lease terms for the years ended June 30 are as follows:

| | Lessor Rental Revenue |
|--------------|----------------------------------|
| | <i>(in thousands of dollars)</i> |
| 2022 | \$ 14,885 |
| 2023 | 13,348 |
| 2024 | 10,877 |
| 2025 | 9,883 |
| 2026 | 1,501 |
| Thereafter | 2,231 |
| Total | \$ 52,725 |

NOTE 8: PROPERTY, PLANT, AND EQUIPMENT, NET

Property, plant, and equipment, net, at June 30 is summarized below:

| | 2021 | 2020 |
|--|----------------------------------|---------------------|
| | <i>(in thousands of dollars)</i> | |
| Land | \$ 78,916 | \$ 77,429 |
| Buildings and improvements | 3,676,157 | 3,563,075 |
| Equipment | 877,536 | 843,148 |
| Library books | 333,340 | 320,146 |
| Works of art, historical treasures, and similar assets | 24,915 | 22,739 |
| Construction in progress | 315,371 | 220,345 |
| Subtotal | 5,306,235 | 5,046,882 |
| Less: Accumulated depreciation | (3,252,552) | (3,067,827) |
| Total property, plant, and equipment, net | \$ 2,053,683 | \$ 1,979,055 |

The amount capitalized in property, plant, and equipment related to expenditures funded by the commonwealth on behalf of the University totaled \$796.1 million and \$784.1 million at June 30, 2021 and 2020, respectively. The net book value of these items was \$293.4 million and \$307.6 million at June 30, 2021 and 2020, respectively.

The University has recognized a liability for conditional asset retirement obligations and through an analysis of such obligations, determined that asbestos remediation costs represented the primary source of the liability. The University reviewed facilities on all campuses and estimated the timing, method, and cost of remediation. The resulting liability for conditional asset remediation obligations recognized at June 30, 2021 and 2020 was \$28.1 million and \$28.9 million, respectively.

NOTE 9: BONDS AND NOTES PAYABLE

Bonds and notes payable at June 30 are reported based upon outstanding principal and consists of the following:

| | Range of Years Remaining to Maturity | 2021 Effective Interest Rates | Outstanding Principal (in thousands of dollars) | |
|---|--|----------------------------------|--|--------------------|
| | | | 2021 | 2020 |
| Variable-rate bonds and notes: | | | | |
| Series 2014-B1/B2, tax-exempt | 4-14 | 0.14%-0.50% | \$ 46,000 | \$ 46,000 |
| Series 2018 PANTHER™ Notes | | 0.36%-3.10% | - | 110,000 |
| Series 2019 PANTHER™ Notes, due February 15, 2024 | | 0.37%-0.56% | 200,000 | 200,000 |
| Total variable-rate bonds and notes | | | 246,000 | 356,000 |
| Fixed-rate bonds and notes: | | | | |
| Series 2017-A, taxable | 3 mos.-15 | 2.12%-3.65% | 352,700 | 393,300 |
| Series 2017-B, taxable | 3 mos.-9 | 2.06%-3.60% | 100,285 | 101,320 |
| Series 2014-A, tax-exempt | 15-23 | 3.51%-3.65% | 49,000 | 49,000 |
| Series 2017-C, taxable | 10-20 | 2.53%-3.01% | 160,000 | 160,000 |
| Series 2019-A, taxable | 98 | 3.56% | 400,000 | 400,000 |
| Series 2021 PANTHER™ Notes, due April 15, 2026 | | 0.63% | 181,265 | - |
| Noninterest-bearing promissory note | | | 171 | 171 |
| Total fixed-rate bonds | | | 1,243,421 | 1,103,791 |
| Unamortized net premium | | | 28,977 | 1,213 |
| Debt issuance costs | | | (8,250) | (8,110) |
| Total bonds and notes payable | | | \$1,510,148 | \$1,452,894 |

The principal payments of bonds and notes payable for the next five years ending June 30 in millions of dollars are:

| | |
|------|----------|
| 2022 | \$ 41.2 |
| 2023 | \$ 39.4 |
| 2024 | \$ 240.8 |
| 2025 | \$ 39.7 |
| 2026 | \$ 218.2 |

The foregoing principal payments do not include \$46.0 million of variable-rate demand bonds (VRDBs) in commercial paper (CP) mode, all of which have maturity dates between 2025 and 2035. These bonds bear short-term rates that are fixed over staggered periods of approximately 90 to 180 days each and are remarketed at the expiration of their respective rate periods.

Liquidity support for the \$46.0 million of outstanding VRDBs in CP mode is provided by the University. In the event that the University receives notice of an optional tender on its VRDBs in CP mode, the tendered bonds will be purchased with remarketing proceeds. If the remarketing proceeds are insufficient to purchase all tendered bonds, the University would have a current obligation to meet the shortfall. Since the University commenced providing self-liquidity in October 2009, there have been no failed remarketings.

In April 2021, the University issued its Pitt Asset Notes – Tax-Exempt Higher Education Registered Series of 2021 (Series 2021 PANTHERS™ Notes) with a par amount of \$181.3 million to reimburse the University for prior capital and equipment expenditures. These five-year fixed rate notes will mature on April 15, 2026.

Interest expense incurred in 2021 and 2020 was \$47.3 million and \$42.7 million, respectively. Included in these amounts are net swap payments and capitalized interest associated with various construction projects. Capitalized interest for 2021 and 2020 was \$2.4 million and \$0.9 million, respectively.

NOTE 10: DERIVATIVE AND OTHER FINANCIAL INSTRUMENTS

The University does not issue or trade derivative financial instruments except as described herein. University financial assets are invested on its behalf with various investment managers, some of whom are authorized to employ derivative instruments, including swaps, futures, forwards, and options. These derivatives are generally used for managing interest rate or foreign currency risk or to hedge a specific financial market position. Additionally, the University has entered into various interest rate swap agreements to hedge its interest rate risk associated with certain debt obligations.

The University may be exposed to financial loss should a derivative counterparty fail to perform pursuant to the instrument. Counterparties are typically financial institutions or exchanges. Counterparty risks are mitigated by using creditworthy counterparties, settling positions periodically, and requiring collateral to be posted at predetermined levels of exposure.

Not including University derivative instruments held by various alternative investment funds, the University invested in futures and total return swap contracts with gross notional values of \$280.3 million and \$332.5 million at June 30, 2021 and 2020, respectively. When the University uses futures and total return swaps to replicate an investment position, it may also post required collateral. Futures contracts and total return swaps are marked-to-market daily based on settlement prices established by the exchange or the appropriate International Swaps and Derivatives Association (ISDA) counterparty with which they are traded. Gains and losses are realized when the contracts expire or are closed. There were unrealized gains of \$6.6 million and \$11.9 million on these future and total return swap contracts at June 30, 2021 and June 30, 2020, respectively.

The University's liability arising from variable-to-fixed interest rate swap agreements associated with certain University debt obligations had an aggregated fair value of \$82.1 million and \$112.9 million at June 30, 2021 and 2020, respectively, and are included in other liabilities on the Consolidated Balance Sheets (see also Note 6). The fair value represents the estimated amount the University would be required to pay to terminate these agreements as of the respective fiscal year-end. The University recognized in the Consolidated Statements of Activities unrealized gains of \$30.8 million in 2021 and unrealized losses of \$35.3 million in 2020 due to changes in fair value of the swaps.

The aggregate notional amount of the swap agreements associated with University debt was \$300.3 million and \$315.3 million at June 30, 2021 and 2020, respectively. These swaps were entered into for the sole purpose of hedging interest payable on certain University VRDBs. The variable interest rates received by the University under the swap agreements are either 67% or 70% of one- or three-month London Interbank Offered Rates (LIBOR), while the fixed rates paid by the University range from 3.25% to 5.14%. Net swap payments made or received by the University are reported in interest expense in the Consolidated Statements of Activities. No collateral was called or posted during 2021 or 2020 with respect to these swap agreements. Furthermore, the University does not anticipate posting collateral pursuant to these swap agreements since there are no collateral thresholds applicable to the University given the University's current credit ratings.

NOTE 11: PENSION AND POSTRETIREMENT OBLIGATIONS

Pension

The University provides retirement benefits under contributory or noncontributory plans to substantially all employees. The University's contributory plan provides for participant directed investment in certain investments managed by the Teachers Insurance and Annuity Association (TIAA) and College Retirement Equities Fund (CREF) and in certain investment funds of the Vanguard Group. The plan requires three years of service for vesting of the University contribution. Employees hired before January 1, 1995 were immediately vested. University contributions to this plan in 2021 and 2020 were \$90.1 million and \$90.5 million, respectively.

The noncontributory plan is a defined-benefit pension plan that covers employees who do not participate in the contributory plan. The plan was amended to freeze new entrants effective November 3, 2015. The plan provides for vesting after five years with pension benefits accruing at 2.1% of base salary or the Social Security wage base, whichever is lower. Pension benefits are payable upon normal retirement at age 65 or early retirement at age 55, in accordance with the conditions and pension eligibility criteria described in the plan. University contributions to this plan in 2021 and 2020 were \$11.2 million and \$6.7 million, respectively.

Postretirement

The University also provides postretirement medical and life insurance benefits to eligible employees and their spouses upon retirement through a contributory benefit plan.

Though funding is not required, the University has elected to fund its postretirement liability via a Board designated endowment fund, which is managed within the University's pooled endowment investments (see Notes 5 and 13). The fair value of this fund at June 30, 2021 and 2020 was \$666.2 million and \$479.1 million, respectively, and is included in endowment investments on the Consolidated Balance Sheets. Although the University has established this endowment for the postretirement plan, payments to beneficiaries of this plan are currently made through non-endowed operating funds.

Under the Medicare Prescription Drug, Improvement, and Modernization Act of 2003, the federal government provides a subsidy to employers equal to 28% of the employer's qualifying prescription drug costs for retirees if the plan offered by the employer is at least actuarially equivalent to Medicare Part D. The University is qualified for and receives the subsidy via a reduction in premiums charged by its provider.

Retirement Incentive Programs

During 2021, retirement incentives were offered to various groups.

- The Faculty Retirement Incentive Program (FRIP) was offered to faculty members who were at least age 65 as of August 1, 2020 and had at least 10 years of continuous service with the University. Retirees must have retired between May 21, 2020 and August 31, 2020.
- The Staff Early Retirement Program (SERP) was offered to staff members who were at least age 59 as of May 1, 2020 and had a least 10 years of continuous service with the University at the time of retirement. Retirees must have retired by September 30, 2020.
- The Union Staff Early Retirement Program (USERP) was offered to union staff members who were at least age 59 as of September 1, 2020 and had a least 10 years of continuous service with the University at the time of retirement. Retirees must have retired by April 30, 2021.

All retirees who retired under one of these incentives was eligible for a lump sum cash separation payment and eligible to continue their medical plan at no cost to the retired member or their dependents until becoming Medicare eligible. Dependents are covered until age 26 or until the later of the retiree or spouse/domestic partner becoming Medicare eligible. The separation payments, along with accumulated vacation and sick-day payments, aggregate \$26.5 million and are recognized in the Consolidated Statement of Activities. The June 30, 2021 postretirement benefit obligation includes \$15.9 million related to the accelerated vesting for these programs.

The University uses a measurement date of June 30 for plan assets and the benefit obligations. Information related to the benefit obligation, assets, and funded status of the defined-benefit pension plan and the postretirement benefit plan as of and for the years ended June 30, 2021 and 2020 is summarized in the table below:

| | Defined-Benefit Plan | | Postretirement Plan | |
|---|----------------------------------|--------------------|---------------------|---------------------|
| | 2021 | 2020 | 2021 | 2020 |
| | <i>(in thousands of dollars)</i> | | | |
| Service cost | \$ 8,226 | \$ 7,361 | \$ 27,241 | \$ 22,511 |
| Other components of net periodic benefit cost: | | | | |
| Interest cost | \$ 7,805 | \$ 7,599 | \$ 18,758 | \$ 21,056 |
| Expected return on plan assets | (11,976) | (11,321) | - | - |
| Actuarial loss | 7,145 | 3,090 | 4,240 | 3,162 |
| Special termination benefit | - | - | 15,877 | - |
| Total | \$ 2,974 | \$ (632) | \$ 38,875 | \$ 24,218 |
| Funded status: | | | | |
| Benefit obligation at beginning of year | \$ 255,377 | \$ 202,191 | \$ 634,499 | \$ 579,034 |
| Service cost | 8,226 | 7,361 | 27,241 | 22,511 |
| Interest cost | 7,805 | 7,599 | 18,758 | 21,056 |
| Actuarial (gain) loss | (3,830) | 39,987 | 22,940 | 30,267 |
| Benefits paid | (2,048) | (1,761) | (17,037) | (18,369) |
| Benefit obligation at end of year | \$ 265,530 | \$ 255,377 | \$ 686,401 | \$ 634,499 |
| Fair value of plan assets at beginning of year | \$ 168,788 | \$ 158,380 | | |
| Actual return on plan assets | 42,154 | 5,441 | | |
| Actual plan contributions | 11,200 | 6,728 | | |
| Benefits paid | (2,048) | (1,761) | | |
| Fair value of plan assets at end of year | \$ 220,094 | \$ 168,788 | | |
| Funded status – liability recognized on Consolidated Balance Sheets: | | | | |
| Pension and postretirement obligations | \$ (45,436) | \$ (86,589) | \$ (686,401) | \$ (634,499) |
| Accumulated benefit obligation | \$ 254,974 | \$ 243,521 | | |

Estimated 2022 employer contribution to the defined-benefit plan:

(in thousands of dollars)

\$ 4,298

| | Defined-Benefit Plan | | Postretirement Plan | |
|--|----------------------|----------|---------------------|------------|
| | 2021 | 2020 | 2021 | 2020 |
| Weighted-average assumptions used to determine the benefit obligation (liability) at June 30: | | | | |
| Discount rate | 3.15% | 3.1% | 3.0% | 3.0% |
| Rate of compensation increase | 3.0% | 3.0% | - | - |
| Assumed health care trend cost: | | | | |
| Initial trend – pre-age 65 retirees | - | - | 7.0% | 6.75% |
| Initial trend – post-age 65 retirees | - | - | 6.5% | 6.0% |
| Ultimate trend | - | - | 4.5% | 4.5% |
| Year to reach ultimate | - | - | 2031 | 2030 |
| Mortality rate table | Pri-2012 | Pri-2012 | Pri.H-2012 | Pri.H-2012 |
| Mortality improvement scale | MP-2020 | MP-2019 | MP-2020 | MP-2019 |

Weighted-average assumptions used to determine the net periodic cost (expense) for the years ended June 30:

| | | | | |
|--|-------|-------|-------|-------|
| Discount rate | 3.1% | 3.8% | 3.0% | 3.7% |
| Rate of compensation increase | 3.0% | 3.0% | - | - |
| Expected long-term return on plan assets | 7.25% | 7.25% | - | - |
| Assumed health care trend cost: | | | | |
| Initial trend – pre-age 65 retirees | - | - | 6.75% | 6.75% |
| Initial trend – post-age 65 retirees | - | - | 6.0% | 6.0% |
| Ultimate trend | - | - | 4.5% | 4.5% |
| Year to reach ultimate | - | - | 2030 | 2027 |

Estimated future benefit payments:

| Estimated future benefit payments: | Defined-Benefit Plan | | Postretirement Plan | |
|------------------------------------|----------------------------------|--------|---------------------|---------|
| | <i>(in thousands of dollars)</i> | | | |
| 2022 | \$ | 9,589 | \$ | 25,421 |
| 2023 | \$ | 6,197 | \$ | 27,700 |
| 2024 | \$ | 6,706 | \$ | 28,039 |
| 2025 | \$ | 7,197 | \$ | 28,736 |
| 2026 | \$ | 7,739 | \$ | 29,533 |
| 2027 – 2031 | \$ | 46,764 | \$ | 165,376 |

Pension Assets

Assets related to the University's defined-benefit pension plan are segregated in a trust managed by a third-party investment manager. The fair value of these assets at June 30, 2021 and 2020 was \$220.1 million and \$168.8 million, respectively. The fund is invested through common collective trust funds in domestic and international equities and fixed-income securities using the S&P 500 Index as a benchmark for domestic equities, the MSCI EAFE Index for international equities, and the Barclays Intermediate Government/Credit Bond Index for the fixed-income securities. Common collective trust funds are similar to mutual funds; however, they are generally not registered with the U.S. Securities and Exchange Commission and participation is not open to the public but limited to institutional investors. The specific investment objective is to meet or exceed the investment policy benchmark over the long term. Plan investment valuations are determined using NAV per share available at the measurement date, as published by the fund manager. The plan has no unfunded commitments. Pension plan assets are Level 1 in the fair value hierarchy.

The long-term investment strategy for pension plan assets is to meet present and future benefit obligations to all participants and beneficiaries; cover reasonable expenses incurred to provide such benefits, including expenses incurred in the administration of the trust and the plan; provide sufficient liquidity to meet benefit and expense payment requirements on a timely basis; and provide a total return that, over the long term, maximizes the ratio of trust assets to liabilities by maximizing investment return, at an appropriate level of risk. The expected return on plan assets is based on a weighted average of the individual expected return for each asset category in the plan's portfolio. Expected return comprises inflation plus the real rate of return for each asset class.

Over the long term, asset allocation is believed to be the single greatest determinant of risk and return. Asset allocation will deviate from the target percentages due to market movement, cash flows, and investment manager performance. Material deviations from the asset allocation target can alter the expected return and risk of the trust. However, frequent rebalancing to the asset allocation targets may result in significant transaction costs, which can impair the trust's ability to meet its investment objective.

The target allocation for both years and the fair value of the University's pension plan assets at June 30, by asset category, were as follows:

| Asset class: | Target Allocation | 2021 | 2020 |
|----------------------------------|----------------------|----------------------------------|-------------------|
| | | <i>(in thousands of dollars)</i> | |
| Equity securities: | | | |
| Stock index and small cap | 35% | \$ 77,731 | \$ 58,918 |
| International | 35% | 76,142 | 58,573 |
| Debt securities | 30% | 65,972 | 50,762 |
| Cash and cash equivalents | - | 249 | 535 |
| Total pension plan assets | | \$ 220,094 | \$ 168,788 |

NOTE 12: NET ASSETS

Net assets at June 30 consist of the following:

| | 2021 | | |
|--|----------------------------------|----------------------------|---------------------|
| | Without Donor Restrictions | With Donor Restrictions | Total |
| | <i>(in thousands of dollars)</i> | | |
| Endowments – instruction and academic support | \$ - | \$ 1,425,671 | \$ 1,425,671 |
| Endowments – financial aid | - | 509,061 | 509,061 |
| Endowments – other | - | 271,208 | 271,208 |
| Endowment designated for financial aid | 2,026,302 | - | 2,026,302 |
| Endowment designated for postretirement benefits | 666,171 | - | 666,171 |
| Endowments designated for schools and other | 761,461 | - | 761,461 |
| Total endowment net assets | 3,453,934 | 2,205,940 | 5,659,874 |
| Net invested in plant and other | 747,327 | 58,571 | 805,898 |
| Pledges, loan funds, and other | - | 83,448 | 83,448 |
| Total net assets | \$ 4,201,261 | \$ 2,347,959 | \$ 6,549,220 |

| | 2020 | | |
|--|----------------------------------|----------------------------|---------------------|
| | Without Donor Restrictions | With Donor Restrictions | Total |
| | <i>(in thousands of dollars)</i> | | |
| Endowments – instruction and academic support | \$ - | \$ 1,047,022 | \$ 1,047,022 |
| Endowments – financial aid | - | 371,899 | 371,899 |
| Endowments – other | - | 199,411 | 199,411 |
| Endowment designated for financial aid | 1,556,934 | - | 1,556,934 |
| Endowment designated for postretirement benefits | 479,059 | - | 479,059 |
| Endowments designated for schools and other | 531,729 | - | 531,729 |
| Total endowment net assets | 2,567,722 | 1,618,332 | 4,186,054 |
| Net invested in plant and other | 698,087 | 32,444 | 730,531 |
| Pledges, loan funds, and other | - | 84,099 | 84,099 |
| Total net assets | \$ 3,265,809 | \$ 1,734,875 | \$ 5,000,684 |

Endowments with donor restrictions require the original corpus be maintained in perpetuity. The distributions generated by these funds may be either expended or reinvested in the endowment, in accordance with donor restrictions and the endowment contribution and spending policy (see Note 13). Expendable funds are made available for the schools to use for instruction, academic support, scholarships, fellowships, chairs and other academic initiatives in accordance with donor wishes and University policy. The principal of endowment funds with donor restrictions was \$833.2 million and \$793.9 million as of June 30, 2021 and 2020, respectively. Pledges, loan funds, and other includes endowed and non-endowed pledges and student loan funds restricted by donors.

The endowment designated for financial aid was established exclusively to provide financial aid to students. During both 2021 and 2020, the endowment distributed \$76.0 million, respectively (see Note 2).

The endowment designated for postretirement benefits was established by the Board of Trustees to support the University's postretirement health and life insurance benefits for employees. Distributions from this endowment totaled \$21.3 million and \$19.5 million in 2021 and 2020, respectively, and were returned to principal. Postretirement liabilities of \$686.4 million as of June 30, 2021 and \$634.5 million as of June 30, 2020 are reported in pension and postretirement obligations on the Consolidated Balance Sheets.

Endowments designated for schools and other include both Board and management designated endowments. Endowments designated to the schools support scholarships, fellowships, chairs, and other academic initiatives. Endowments designated by management support self-insurance liabilities and other general purposes. Cash not yet invested in the consolidated endowment pool as of June 30 is included in endowments designated for schools and other.

Invested in plant and other primarily includes the value of University property net of debt and other capital-related liabilities. Other capital-related liabilities include the valuation of the University's interest rate swap agreements and the conditional asset retirement obligation (see Note 8).

NOTE 13: ENDOWMENT NET ASSETS

The commonwealth has not adopted The Uniform Prudent Management of Institutional Funds Act of 2006 (UPMIFA) and, instead, enacted in December 1998 Pennsylvania Act 141 (codified as Title 15 of the Pennsylvania Consolidated Statutes §5548(c) and referred to herein as Title 15) to govern the investment of restricted funds held in trust by Pennsylvania nonprofit corporations. Title 15 permits Pennsylvania nonprofit corporations to elect a total return approach for determining income distributions from restricted funds held in trust, whereby income is defined as a stipulated percentage of the value of the assets held; the stipulated percentage must be determined at least annually and may be no less than 2% nor more than 7%, and the value of the assets held must be averaged over a period of three or more preceding years. A resolution to elect a total return approach for determining endowment income distributions for the University's consolidated investment pool was passed by the University's Board of Trustees on October 21, 1999. The University's endowment income distribution is determined annually using a stipulated percentage of 4.25% of the endowment's three-year average fair value for all endowments except the endowment designated for financial aid, provided that such distribution is not less than the amount distributed in the previous year. During fiscal year 2020, the University elected to increase the stipulated percentage to 4.75% of the endowment's three-year average fair value for only the endowment designated for financial aid.

Employing the total return approach, the University records the original value of an endowed contribution as net assets with donor restrictions, along with any endowment income distributions that are reinvested in the endowment. Non-endowed funds that lack third-party donor restrictions but function as endowments (designated endowments) are classified as net assets without donor restrictions. Gains and losses attributable to donor-restricted endowed funds and designated endowment funds are recorded as net assets with donor restrictions and without donor restrictions, respectively.

The change in endowment net assets for the years ended June 30, 2021 and 2020 was as follows:

| | Without Donor Restrictions | With Donor Restrictions | Total |
|---|----------------------------------|-------------------------------|---------------------|
| | <i>(in thousands of dollars)</i> | | |
| Endowment net assets – June 30, 2019 | \$ 2,652,369 | \$ 1,663,466 | \$ 4,315,835 |
| Endowment return: | | | |
| Endowment earnings | 126 | 1,777 | 1,903 |
| Gains (losses) | 64,164 | (67,585) | (3,421) |
| Total endowment return | 64,290 | (65,808) | (1,518) |
| Contributions | 548 | 20,674 | 21,222 |
| Distributions for operations | (158,708) | - | (158,708) |
| Net transfers | 9,223 | - | 9,223 |
| Endowment net assets – June 30, 2020 | 2,567,722 | 1,618,332 | 4,186,054 |
| Endowment return: | | | |
| Endowment earnings | 18,582 | 3,841 | 22,423 |
| Gains | 1,032,859 | 550,560 | 1,583,419 |
| Total endowment return | 1,051,441 | 554,401 | 1,605,842 |
| Contributions | 109 | 33,207 | 33,316 |
| Distributions for operations | (161,853) | - | (161,853) |
| Net transfers | (3,485) | - | (3,485) |
| Endowment net assets – June 30, 2021 | \$ 3,453,934 | \$ 2,205,940 | \$ 5,659,874 |

Approximately 99% of the University's endowment funds are collectively managed in a broadly diversified pool of assets called the consolidated investment pool. The Investment Committee of the Board of Trustees provides general oversight, policy guidance, and performance review of the consolidated investment pool and approves asset allocation and spending policies.

NOTE 14: FUNCTIONAL EXPENSES

The University accounts for expenses according to major classes of program services or functions. Functional expenses for the years ended June 30 consist of the following:

| | 2021 | | | | | |
|---|----------------------------------|----------------------|-------------------|-----------------------|-------------------|---------------------|
| | Program Services | | | | | |
| | Academics | Research and Related | Student Services | Auxiliary Enterprises | Support Services | Total |
| | <i>(in thousands of dollars)</i> | | | | | |
| Salaries and wages | \$ 577,904 | \$ 406,775 | \$ 79,093 | \$ 23,009 | \$ 90,322 | \$ 1,177,103 |
| Fringe benefits | 159,037 | 114,545 | 26,210 | 7,320 | 26,245 | 333,357 |
| Total compensation | 736,941 | 521,320 | 105,303 | 30,329 | 116,567 | 1,510,460 |
| Supplies | 26,307 | 75,641 | 6,429 | 2,414 | 5,067 | 115,858 |
| Business and professional | 32,042 | 180,475 | 24,781 | 39,552 | 43,630 | 320,480 |
| Facilities | 40,725 | 21,045 | 8,628 | 15,825 | 6,121 | 92,344 |
| Depreciation | 86,654 | 45,702 | 20,290 | 28,191 | 13,694 | 194,531 |
| Interest | 20,287 | 10,799 | 4,750 | 8,288 | 3,206 | 47,330 |
| Rent | 22,283 | 27,681 | 1,825 | 24,653 | 5,538 | 81,980 |
| Other | 21,254 | 11,285 | 25,771 | 20,710 | 2,137 | 81,157 |
| Total operating expenses | 986,493 | 893,948 | 197,777 | 169,962 | 195,960 | 2,444,140 |
| Other components of net periodic benefit cost including special termination | 20,546 | 14,462 | 2,812 | 818 | 3,211 | 41,849 |
| Total | \$ 1,007,039 | \$ 908,410 | \$ 200,589 | \$ 170,780 | \$ 199,171 | \$ 2,485,989 |

| | 2020 | | | | | |
|---|----------------------------------|----------------------|-------------------|-----------------------|-------------------|---------------------|
| | Program Services | | | | | |
| | Academics | Research and Related | Student Services | Auxiliary Enterprises | Support Services | Total |
| | <i>(in thousands of dollars)</i> | | | | | |
| Salaries and wages | \$ 574,557 | \$ 397,465 | \$ 80,123 | \$ 21,114 | \$ 91,398 | \$ 1,164,657 |
| Fringe benefits | 160,672 | 111,603 | 26,432 | 7,439 | 26,925 | 333,071 |
| Total compensation | 735,229 | 509,068 | 106,555 | 28,553 | 118,323 | 1,497,728 |
| Supplies | 31,037 | 67,645 | 9,678 | 2,829 | 4,402 | 115,591 |
| Business and professional | 48,703 | 179,593 | 37,377 | 38,997 | 44,270 | 348,940 |
| Facilities | 42,868 | 23,188 | 8,248 | 18,587 | 6,709 | 99,600 |
| Depreciation | 80,393 | 51,801 | 19,140 | 27,387 | 15,648 | 194,369 |
| Interest | 16,792 | 10,913 | 3,996 | 7,701 | 3,274 | 42,676 |
| Rent | 21,352 | 27,058 | 2,476 | 4,361 | 5,830 | 61,077 |
| Other | 9,671 | 4,331 | 14,498 | 23,298 | 5,028 | 56,826 |
| Total operating expenses | 986,045 | 873,597 | 201,968 | 151,713 | 203,484 | 2,416,807 |
| Other components of net periodic benefit cost | 10,327 | 9,358 | 1,623 | 427 | 1,851 | 23,586 |
| Total | \$ 996,372 | \$ 882,955 | \$ 203,591 | \$ 152,140 | \$ 205,335 | \$ 2,440,393 |

Costs related to the operation and maintenance of property, including depreciation of property and equipment and interest on related debt, are allocated to program services and support services based upon salary effort.

Academics includes instructional, academic support, and library costs. Research and related includes sponsored programs related to research and development as well as public service activity such as clinical trials. Student services represents expenses supporting the well-being and development of students outside of direct instruction, including student admissions, registration, counseling and advising, as well as intercollegiate athletics. Auxiliary enterprises consists of costs to provide services to students, faculty, and staff, such as student housing, meal plans, parking, and book store activity. Support services consists of institution-wide administrative functions in support of the University's academic, research, and public service mission.

NOTE 15: RELATED PARTIES

The University has relationships and affiliation agreements with separately incorporated entities including UPMC and affiliated hospitals and UPP. These relationships include a common paymaster arrangement for certain University School of Medicine (SOM) faculty; contractual obligations for UPMC and UPP to support certain educational and research functions at the University; and property rental agreements. There is no guarantee these agreements will be renewed in future periods. Transactions with all related entities are conducted in the ordinary course of business and are discussed below.

The following summarizes the significant related party transactions between the University and UPMC for the years ended June 30, 2021 and 2020:

| Service Agreement | Location on the Consolidated Financial Statements | 2021 <i>(in thousands of dollars)</i> | 2020 |
|--|--|--|-------------------|
| Common paymaster arrangement ^(a) | Net on balance sheet | \$ 32,057 | \$ 33,450 |
| Facilities-related services, mail, telephone, printing, and other services ^(a) | Net on balance sheet | 14,219 | 17,442 |
| Accounts and notes receivable, net with UPMC | | \$ 46,276 | \$ 50,892 |
| UPMC dean's tax, Children's Hospital of Pittsburgh, and other academic support ^(b) | UPMC academic support | \$ 101,216 | \$ 118,834 |
| UPMC dual faculty support ^(c) | UPMC academic support | 82,397 | 82,310 |
| UPMC academic affiliation agreement ^(d) | UPMC academic support | 32,000 | 31,500 |
| UPMC Hillman Cancer Center research support payments ^(e) | UPMC academic support | 23,532 | 16,876 |
| UPMC grant revenue ^(f) | Research grants and contracts | 23,150 | 15,447 |
| Rental revenue ^(g) | UPMC academic support | 9,557 | 10,496 |
| Health Sciences Library System ^(h) | UPMC academic support | 5,609 | 5,189 |
| Cost sharing for Medical and Health Sciences Foundation ⁽ⁱ⁾ | UPMC academic support | 3,602 | 3,635 |
| Institute for Personalized Medicine | UPMC academic support | 1,890 | 1,295 |
| UPMC Enterprises | Contributions for operations | - | 455 |
| Revenues from UPMC | | \$ 282,953 | \$ 286,037 |
| Health insurance coverage for University employees ^(j) | Fringe benefits | \$ 143,643 | \$ 135,650 |
| WPIC and UPMC Hillman Cancer Center research services ^(k) | Primarily compensation | 26,238 | 26,558 |
| Rental expense paid to UPMC ^(g) | Rent | 15,365 | 24,161 |
| Expenses paid to UPMC | | \$ 185,246 | \$ 186,369 |

- (a) Certain University SOM faculty and staff provide services through their University appointments to UPMC, UPP, and affiliated hospitals. The University invoices these entities monthly for reimbursement of the associated compensation costs. SOM faculty members, having both a University academic appointment and a separate, external appointment to UPMC or one of its affiliates, participate in the common paymaster arrangement for purposes of determining appropriate FICA taxation. In addition to the reimbursable compensation costs, the University also engages in other transactions with these entities, which include providing certain facilities-related services, telephone, mailing, printing, and various other services, which are reimbursed at cost.

- (b) UPMC provides support to the SOM for the school's general academic mission, research, new programs, and faculty recruitment; and to augment operating budgets for certain departments that do not generate sufficient revenues to meet their academic and research costs. Additionally, UPMC provides financial support to the SOM through the Children's Hospital of Pittsburgh of UPMC (CHP), which supports pediatric research programs.
- (c) Beginning in fiscal year 2020, UPP and the University entered into a funding arrangement to broadly support the SOM and its missions. The funding arrangement specifies monthly remittances which can be used for operations.
- (d) The University signed an agreement with UPMC that included financial commitments designed to further the two entities' commitment to their interrelated teaching, research, clinical care, and community service missions. As part of the agreement, UPMC provides annual funding for the SOM.
- (e) UPMC provides support payments to the UPMC Hillman Cancer Center (UHCC) for various subsidies, research initiatives, and general support.
- (f) A portion of the University's sponsored program activity is provided by UPMC.
- (g) The University is involved in certain rental arrangements in which the University acts as both lessor or lessee with UPMC and its affiliates.
- (h) UPMC provides support for their use of the University's Health Sciences Library System.
- (i) In 2003, the University and UPMC created the Medical and Health Sciences Foundation (MHSF), a separate 501(c)(3) organization. The MHSF serves as a unified fundraising organization for the University's schools of the health sciences and UPMC. The arrangement calls for the cost of MHSF to be split between the University and UPMC.
- (j) UPMC serves as the provider of health insurance coverage to all eligible University employees who enroll in the plan. The University is self-insured for these costs and reimburses UPMC for actual claims cost.
- (k) The University has an arrangement with UPMC whereby certain research-related costs incurred by UPMC (primarily staff compensation) in relation to the Western Psychiatric Institute and Clinic (WPIC) and UHCC research awards are charged to such awards via an electronic billing and reimbursed to UPMC each month.

A lease arrangement exists between the University and the commonwealth for WPIC. Since 1949, the University has managed WPIC under an agreement between the University and the commonwealth whereby the University rents for a consideration of \$1 per year the land, building, equipment, and other items that are used by WPIC. The agreement provides for continuing terms of 10 years each; however, this agreement is cancelable by either party on one year's written notice. In 1992, the University subleased to UPMC the land, building, equipment, and other items subject to the current lease arrangement between the commonwealth and the University. This sublease arrangement continued to be in effect during 2021 and 2020. Included in property, plant, and equipment is \$186.5 million and \$183.3 million at June 30, 2021 and 2020, respectively, related to the land, buildings, and equipment used by WPIC. Accumulated depreciation related to these assets totaled \$164.5 million and \$160.8 million at June 30, 2021 and 2020, respectively.

NOTE 16: COMMITMENTS AND CONTINGENCIES

Coronavirus Pandemic

In March 2020, the World Health Organization declared the novel coronavirus (COVID-19) a pandemic. The outbreak of the disease has affected travel, commerce and financial markets globally. Commencing March 18, 2020, undergraduate and graduate course instruction was conducted virtually and most students vacated the University's campuses. The University granted refunds of \$18.1 million in 2020 for housing and dining services not provided after March 18, 2020. Students continued to meet their academic requirements for the remainder of the 2020 academic year. The University remained open the entirety of the 2021 academic year primarily under a guarded posture, which imposed certain safety restrictions on the University community.

Through the Higher Education Emergency Relief Fund (HEERF), the University distributed student emergency grants of approximately \$15.6 million and \$10.6 million in 2021 and 2020, respectively. Total revenues of \$39.5 million and \$16.6 million are recognized as grants and contracts – HEERF in the Consolidated Statements of Activities in 2021 and 2020, respectively, including the portion allocable to meet institutional needs. While the start of the 2022 academic year began with students on campus, many faculty and staff remain working in a remote environment. Given the uncertainty over new variants and possible governmental emergency directives, there is no timetable for when campus operations will return to normal.

The COVID-19 pandemic has negatively affected national, state, and local economies; global financial markets; and the higher education landscape in general. While the financial impact on the University is being monitored at this time, the pandemic may continue to adversely affect operations and financial condition, including, among other things, the ability of the University to conduct its operations and/or the cost of operations; governmental and non-governmental funding; and financial markets impacting investments valuation and interest rates. The University continues to monitor the pandemic and is prepared to take additional measures to protect the health of the University community and promote the continuity of its academic, research and public service missions.

Other Commitments and Contingencies

At June 30, 2021 and 2020, the University had outstanding contractual commitments of \$165.3 million and \$265.8 million, respectively, for property, plant, and equipment expenditures.

In May 2019, the University entered an agreement with a third-party to develop a mixed-use facility consisting of office, laboratory and parking space on property owned by the University. The University agreed to lease this property to the developer for 65 years, and upon the facilities completion in fall 2021, will lease a portion of the facility for research and academic purposes. The University's lease of the facility, which has multiple renewal options, has an initial term of 16 years at approximately \$16.0 million per year and will be recognized on the Consolidated Balance Sheets upon commencement.

The University is a defendant in a number of legal actions seeking damages and other relief from the University. While the final outcome of each action cannot be determined at this time, legal counsel and University management are of the opinion that the liability, if any, in these legal actions will not have a material adverse effect on the University's consolidated financial statements.

The University receives significant financial assistance from the federal government including the sponsorship of federal research projects. Research grants and contracts normally provide for the recovery of direct and indirect costs. Recovery of indirect costs is recorded at predetermined rates negotiated with the federal government. Indirect cost recovery rates from nonfederal sources may vary. Entitlement to these resources for the recovery of the applicable direct and related indirect costs is generally conditioned upon compliance with the terms and conditions of the grant or contract agreements and applicable federal regulations, including the expenditure of the resources for eligible purposes. Substantially all grants and contracts, and the University's indirect cost rate, are subject to financial and compliance reviews and audits by the grantors. Funds received through federal sources are subject to audit each year in accordance with the Office of Management and Budget's Uniform Guidance. In management's opinion, the likelihood of a material adverse outcome on the University's financial position from those reviews and audits is remote.

As part of ongoing operations, the University enters into utility contracts to secure electric and natural gas rates. These contracts are with various utility suppliers and some of the contracts cover multiple years. The University monitors the energy markets on an ongoing basis and will make commitments on new rates if deemed in the best interest of the University.

The University conducts a review of contracts and agreements that may contain guarantees, including loan guarantees such as standby letters of credit and indemnifications. In certain contracts, the University agrees to indemnify a third-party service provider under certain circumstances. Pursuant to its bylaws, the University provides indemnification to directors, officers, and, in some cases, employees and agents against certain liabilities incurred as a result of service provided on behalf of or at the request of the University. The terms of indemnity vary from agreement to agreement, and the amount of indemnification, if any, cannot be reasonably determined.

NOTE 17: SUBSEQUENT EVENTS

The University has evaluated subsequent events through October 14, 2021, the date on which the consolidated financial statements were issued and determined that there were no subsequent events requiring additional disclosure or adjustment to the consolidated financial statements.

MEMBERSHIP OF THE BOARD OF TRUSTEES FISCAL YEAR 2021

| | | | |
|---|--|---|--|
| MEMBERS EX OFFICIO (NONVOTING) Tom W. Wolf, Governor of the Commonwealth of Pennsylvania Noc Ortega, Secretary of Education of the Commonwealth of Pennsylvania Rich Fitzgerald, Allegheny County Executive William Peduto, Mayor of the City of Pittsburgh | 2020 – 2024 John A. Barbour Edward J. Grefenstette Patricia D. Horoho John H. Pelusi Jr. Marna Cupp Whittington 2021 – 2025 Sundaa Bridgett-Jones Roberta A. Luxbacher Thomas E. Richards Adam C. Walker | ALUMNI TRUSTEES 2018 – 2022 Jane Bilewicz Allred Gary T. Brownlee 2019 – 2023 Michael G. Wells 2020 – 2024 Lisa A. Golden S. Jeffrey Kondis 2021 – 2025 Larry J. Merlo | EMERITUS TRUSTEES Thomas G. Bigley Suzanne W. Broadhurst Michael A. Bryson John G. Conomikes George A. Davidson Jr. Catherine D. DeAngelis Herbert P. Douglas Jr. D. Michael Fisher E. Jeanne Gleason J. Roger Glunt Earl F. Hord Paul E. Lego Robert G. Lovett George L. Miles Jr. Frank E. Mosier Alfred L. Moyé Martha Hartle Munsch Thomas H. O'Brien Anthony J. F. O'Reilly Robert A. Paul Robert P. Randall James C. Roddey Farrell Rubenstein Richard P. Simmons Charles M. Steiner William E. Strickland Jr. John A. Swanson Burton M. Tansky Stephen R. Tritch Thomas J. Usher Sam S. Zacharias |
| MEMBER EX OFFICIO (VOTING) Patrick Gallagher, Chancellor and Chief Executive Officer | SPECIAL TRUSTEES 2018 – 2022 Wen-Ta Chiu David J. Morehouse 2019 – 2023 Robert O. Agbede G. Nicholas Beckwith III Thomas M. Kurtz Jeannine T. Schoenecker | COMMONWEALTH TRUSTEES <i>G: Governor appointment</i> <i>H: House appointment</i> <i>S: Senate appointment</i> 2017 – 2021 Sy Holzer (G) Thomas VanKirk (H) William K. Lieberman (S) 2018 – 2022 John A. Maher III (H) John J. Verbanac (S) Vacant (G) 2019 – 2023 Jake Wheatley Jr. (G) Diane P. Holder (H) Peter C. Varischetti (S) 2020 – 2024 Bradley J. Franc (G) Natalie Mihalek (H) Jay Costa Jr. (S) | |
| TERM TRUSTEES 2018 – 2022 Mary Ellen Callahan Vaughn S. Clagette James P. Covert Keith E. Schaefer 2019 – 2023 Douglas M. Browning Louis R. Cestello David C. Chavern Deborah J. Gillotti | 2020 – 2024 John P. Gismondi Marlee S. Myers Arthur J. Rooney II 2021 – 2025 Majdi B. Abulaban SaLisa L. Berrien Hui Debra Cen Tamara M. Haddad Bryan S. Salesky Herbert S. Shear | | |

The consolidated financial statements have been reviewed and approved by the University's Audit Committee. The Audit Committee is comprised of outside directors having requisite financial expertise and meets regularly with University management and both internal and external auditors to review internal accounting controls, audit issues, and financial reporting matters. The Committee meets with the external auditors in private sessions and is also responsible for approving the independent auditing firm retained each year. Nonvoting representatives on the Committee include members of the University's administration as well as student, faculty, and staff representatives.

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
AND AUDITORS' REPORT AS REQUIRED BY TITLE 2 U.S. CODE OF
FEDERAL REGULATIONS PART 200**

**UNIVERSITY OF PITTSBURGH OF THE
COMMONWEALTH SYSTEM OF HIGHER EDUCATION**

Schedule of Expenditures of Federal Awards

Year ended June 30, 2021

| Federal Grantor/Pass Through Grantor/Program Title | Federal Assistance Listing Number (ALN) | Direct Award or pass-through entity identifying number | Passed through to subrecipients | Federal expenditures |
|---|--|---|--|-----------------------------|
| I. Research and Development Cluster: | | | | |
| Department of Health and Human Services: | | | | |
| Administration for Children and Families: | | | | |
| Ohio State University | 93.670 | 60079263 | \$ — | 42,704 |
| Total Administration for Children and Families | | | — | 42,704 |
| Administration for Community Living: | | | | |
| Paralysis Resource Center | 93.325 | Direct | 139,274 | 203,710 |
| ACL National Institute on Disability, Independent Living, and Rehabilitation Research | 93.433 | Direct | 156,912 | 4,187,643 |
| Craig Hospital | 93.433 | UP001 | — | 6,852 |
| Gallaudet University | 93.433 | 0000023621 | — | 10,155 |
| Medstar Health Research Institute Inc | 93.433 | 5002154858 | — | 1,934 |
| University of Michigan | 93.433 | SUBK00012505 | 18,574 | 59,640 |
| Subtotal 93.433 | | | 175,486 | 4,266,224 |
| Administration for Community Living | 93.RD | Direct | — | (699) |
| Total Administration for Community Living | | | 314,760 | 4,469,235 |
| Research on Healthcare Costs, Quality and Outcomes: | | | | |
| National Research Service Awards Health Services Research Training | 93.225 | Direct | — | 123,090 |
| Research on Healthcare Costs, Quality and Outcomes | 93.226 | Direct | 399,774 | 1,277,478 |
| Columbia University | 93.226 | 2(GG014652-03) | — | 45,020 |
| Commonwealth of Pennsylvania | 93.226 | OLD RURAL PA | 5,649 | 166,281 |
| Magee-Womens Research Institute & Foundation | 93.226 | 4039 | — | 128,344 |
| COVID-19 Research Foundation - State University of New York | 93.226 | 100-1165500-90112 | — | 69,484 |
| Tufts University | 93.226 | HH5422 | — | 41,661 |
| University of North Carolina | 93.226 | 5111271 | — | 15,789 |
| University of Utah | 93.226 | 10055538 | — | 166,905 |
| University of Utah | 93.226 | 10055388-02 | — | 83,492 |
| Vanderbilt University Medical Center | 93.226 | VUMC67801 | — | 14,272 |
| Vanderbilt University Medical Center | 93.226 | ADVANCE ACCOUNT | — | 19,350 |
| Subtotal 93.226 | | | 405,423 | 2,028,076 |
| Oregon Health & Science University | 93.RD | 1018907_UPITT | — | 19,178 |
| Total Research on Healthcare Costs, Quality and Outcomes | | | 405,423 | 2,170,344 |
| Centers for Disease Control and Prevention: | | | | |
| Innovations in Applied Public Health Research | 93.061 | Direct | 30,109 | 451,903 |
| MOSAIX Software, Inc. | 93.061 | JRDA000276-01 | — | 52,201 |
| Subtotal 93.061 | | | 30,109 | 504,104 |
| Prevention of Disease, Disability, and Death through Immunization and Control of Respiratory and Related Diseases | 93.083 | Direct | — | 735,804 |
| COVID-19 Prevention of Disease, Disability, and Death through Immunization and Control of Respiratory and Related Diseases | 93.083 | Direct | — | 481,397 |
| Subtotal 93.083 | | | — | 1,217,201 |
| Injury Prevention and Control Research and State and Community Based Programs | 93.136 | Direct | 28,737 | 532,668 |
| Allegheny County | 93.136 | 239092 | — | 261,615 |
| Allegheny County | 93.136 | 240645 | — | 223,598 |
| Commonwealth of Pennsylvania | 93.136 | 4300651914 | — | 394,958 |
| Commonwealth of Pennsylvania | 93.136 | 4300654631 | — | 400,281 |
| Medical College of Wisconsin | 93.136 | 5U01 CE002944-02 | — | 88,110 |
| Medical College of Wisconsin | 93.136 | 5U01 CE002944-03-00 | — | 196,076 |
| Subtotal 93.136 | | | 28,737 | 2,097,306 |
| Immunization Research, Demonstration, Public Information and Education Training and Clinical Skills Improvement Projects | 93.185 | Direct | — | 1,402,323 |
| COVID-19 Immunization Research, Demonstration, Public Information and Education Training and Clinical Skills Improvement Projects | 93.185 | Direct | — | 1,855,630 |
| Carnegie Mellon University | 93.185 | 1090610-425289 | — | 40,614 |
| COVID-19 Carnegie Mellon University | 93.185 | 1090628-425287 | — | 27,817 |
| Subtotal 93.185 | | | — | 3,326,384 |

**UNIVERSITY OF PITTSBURGH OF THE
COMMONWEALTH SYSTEM OF HIGHER EDUCATION**

Schedule of Expenditures of Federal Awards

Year ended June 30, 2021

| Federal Grantor/Pass Through Grantor/Program Title | Federal Assistance Listing Number (ALN) | Direct Award or pass-through entity identifying number | Passed through to subrecipients | Federal expenditures |
|--|--|---|--|-----------------------------|
| Occupational Safety and Health Program | 93.262 | Direct | \$ 102,187 | 1,757,260 |
| CPWR The Center for Construction Research and Training | 93.262 | 3001-817-01 NIOSH | — | (825) |
| Mount Sinai School of Medicine | 93.262 | 0254-5767-4609 | — | 3,811 |
| Mount Sinai School of Medicine | 93.262 | 0254-5768-4609 | — | 24,273 |
| Subtotal 93.262 | | | 102,187 | 1,784,519 |
| Rare Disorders: Research, Surveillance, Health Promotion and Education | 93.315 | Direct | — | 59,239 |
| Spina Bifida Association | 93.315 | SBCCN | — | 32,388 |
| Subtotal 93.315 | | | — | 91,627 |
| Johns Hopkins University | 93.317 | 2003962083 | — | 78,310 |
| Johns Hopkins University | 93.317 | 2004631999 | — | 92,868 |
| Subtotal 93.317 | | | — | 171,178 |
| Allegheny County | 93.323 | 248207 | — | 56,168 |
| Commonwealth of Kentucky | 93.336 | 2000000775 | — | 4,049 |
| Commonwealth of Kentucky | 93.336 | 2000001742 | — | 415,074 |
| Commonwealth of Pennsylvania | 93.336 | 4300585084 | — | 66,730 |
| Commonwealth of Pennsylvania | 93.336 | 4300585086 | 18,600 | 298,495 |
| Commonwealth of Pennsylvania | 93.336 | 4300691393 | — | 19,321 |
| North Dakota Department of Health | 93.336 | PF17.216A | — | (1,067) |
| North Dakota Department of Health | 93.336 | PF19.079 | — | 522,137 |
| Subtotal 93.336 | | | 18,600 | 1,324,739 |
| Louisiana Department of Health | 93.354 | 2000524748 | — | 82,854 |
| COVID-19 Task Force For Global Health Inc | 93.421 | TFGH COVID-19 DATA | — | 68,749 |
| Commonwealth of Pennsylvania | 93.426 | 4300667188 | — | 114,462 |
| Commonwealth of Pennsylvania | 93.436 | 4300616620 | — | 20,813 |
| Commonwealth of Pennsylvania | 93.436 | 4300682487 | — | 26,556 |
| Commonwealth of Pennsylvania | 93.436 | PA-WISE | — | 8,796 |
| Subtotal 93.436 | | | — | 56,165 |
| Allegheny County | 93.738 | 233078 | — | 122,538 |
| Magee-Womens Research Institute & Foundation | 93.991 | 8126 | — | 15,518 |
| Magee-Womens Research Institute & Foundation | 93.991 | 8133 | — | 47,086 |
| Subtotal 93.991 | | | — | 62,604 |
| Centers for Disease Control & Prevention | 93.RD | Direct | — | 624,970 |
| COVID-19 Centers for Disease Control & Prevention | 93.RD | Direct | — | 27,786 |
| Allegheny County | 93.RD | 242964A | — | 93,470 |
| Magee-Womens Research Institute & Foundation | 93.RD | 1702 | — | 12,000 |
| COVID-19 University of Alabama | 93.RD | 000529609-001 | — | 1,182 |
| Subtotal 93.RD | | | — | 759,408 |
| Total Centers for Disease Control and Prevention | | | 179,633 | 11,840,006 |
| Centers for Medicare and Medicaid Services: | | | | |
| Allegheny County | 93.778 | 236490 | — | 18,072 |
| Total Centers for Medicare and Medicaid Services | | | — | 18,072 |
| Food and Drug Administration Research: | | | | |
| Food & Drug Administration | 93.103 | Direct | 97,608 | 387,030 |
| Albert Einstein College of Medicine | 93.103 | 311657 | — | 1,330 |
| Carnegie Mellon University | 93.103 | 1090599-428116 | — | 66,265 |
| Carnegie Mellon University | 93.103 | 1090649-438079 | — | 337,654 |
| Children's Hospital of Philadelphia | 93.103 | 3201480820 | — | 33,304 |
| Children's Hospital of Philadelphia | 93.103 | 3201480821 | — | 172,823 |
| Emory University | 93.103 | T447384 | — | 2,234 |
| Subtotal 93.103 | | | 97,608 | 1,000,640 |
| Duke University | 93.RD | 250543 | — | 11,109 |
| Magee-Womens Research Institute & Foundation | 93.RD | 9154 | — | 43,717 |
| Technical Resources International Inc | 93.RD | SA-C21002-01 | — | 30,525 |
| Subtotal 93.RD | | | — | 85,351 |
| Total Food and Drug Administration | | | 97,608 | 1,085,991 |

**UNIVERSITY OF PITTSBURGH OF THE
COMMONWEALTH SYSTEM OF HIGHER EDUCATION**

Schedule of Expenditures of Federal Awards

Year ended June 30, 2021

| Federal Grantor/Pass Through Grantor/Program Title | Federal Assistance Listing Number (ALN) | Direct Award or pass-through entity identifying number | Passed through to subrecipients | Federal expenditures |
|---|--|---|--|-----------------------------|
| Health Resources and Services Administration: | | | | |
| Health Research, Inc. | 93.110 | 5606-03 | \$ — | (1,673) |
| Massachusetts General Hospital | 93.110 | 226858 | — | 4,256 |
| Massachusetts General Hospital | 93.110 | 226859 | — | 104,100 |
| Subtotal 93.110 | | | — | 106,683 |
| Research Institute at Nationwide Children's Hospital | 93.127 | 710040-0820-00 | — | 57,688 |
| Research Institute at Nationwide Children's Hospital | 93.127 | 710040-0821-00 | — | 91,997 |
| Subtotal 93.127 | | | — | 149,685 |
| Grants to Increase Organ Donations | 93.134 | Direct | — | 17,613 |
| HIV-Related Training and Technical Assistance | 93.145 | Direct | 1,806,775 | 2,607,174 |
| University of Massachusetts | 93.145 | OSP29994-09 | — | 16,848 |
| Subtotal 93.145 | | | 1,806,775 | 2,624,022 |
| National Research Service Award in Primary Care Medicine | 93.186 | Direct | — | 319,401 |
| University of Michigan | 93.300 | SUBK00012251 | — | 27,426 |
| Grants for Primary Care Training and Enhancement | 93.884 | Direct | — | 123,067 |
| Fulton County Family Partnership, Inc. | 93.912 | HRSA-001 | — | 83,787 |
| Ferre Institute Inc | 93.RD | REGIONAL GENETICS | — | 49,402 |
| Hemophilia Center of Western Pennsylvania | 93.RD | ADVANCE ACCOUNT | — | 434,003 |
| Hennepin Healthcare Research Institute | 93.RD | LIVING DONOR PROJECT | — | 592 |
| Mission Analytics Group, Inc. | 93.RD | 2020MAG004 | — | 27,739 |
| Subtotal 93.RD | | | — | 511,736 |
| Total Health Resources and Services Administration | | | 1,806,775 | 3,963,420 |
| National Institutes of Health: | | | | |
| Family Smoking Prevention and Tobacco Control Act | | | | |
| Regulatory Research | 93.077 | Direct | 1,260 | 31,278 |
| Duke University | 93.077 | 2036158 | — | (359) |
| Duke University | 93.077 | A030525 | — | (11,210) |
| Subtotal 93.077 | | | 1,260 | 19,709 |
| Environmental Health | 93.113 | Direct | 482,058 | 5,136,540 |
| Globin Solutions, Inc. | 93.113 | GSISUB2020001 | — | 83,395 |
| Globin Solutions, Inc. | 93.113 | GSISUB2020002 | — | 239,257 |
| Mount Sinai School of Medicine | 93.113 | 0255-C301-4609 | — | 31,503 |
| University of Kentucky | 93.113 | 3200002784-20-080 | — | 137,220 |
| University of New Mexico | 93.113 | 3RAV2 | — | 45,686 |
| Subtotal 93.113 | | | 482,058 | 5,673,601 |
| Oral Diseases and Disorders Research | 93.121 | Direct | 2,352,844 | 8,687,974 |
| HealthPartners Institute for Education and Research | 93.121 | X1510700PITT | — | 1,184 |
| International Agency for Research on Cancer | 93.121 | GEP/17/05 | — | 119,365 |
| Massachusetts General Hospital | 93.121 | 234245 | — | 19,909 |
| Mayo Clinic Jacksonville | 93.121 | THE-270991 | — | 128,607 |
| NanoMAG, LLC | 93.121 | NANOMAG/PITT 2 | — | 51,291 |
| Texas A&M University | 93.121 | M1802125 | — | 38,317 |
| University of Colorado | 93.121 | FY21.1090.001 | — | 16,055 |
| University of Michigan | 93.121 | SUBK00006151 | — | 226,652 |
| University of Michigan | 93.121 | SUBK00011419 | — | 770,567 |
| University of Michigan | 93.121 | SUBK00013849 | — | 144,626 |
| University of Michigan | 93.121 | SUBK00013929 | — | 628,352 |
| University of Minnesota | 93.121 | P008323301 | — | 7,660 |
| University of Texas M.D. Anderson Cancer Center | 93.121 | 3001348806 | — | 193,804 |
| Subtotal 93.121 | | | 2,352,844 | 11,034,363 |
| State University of New York | 93.143 | R1249497 | — | 5,000 |
| Human Genome Research | 93.172 | Direct | 117,644 | 512,829 |
| Indiana University | 93.172 | 8661 | — | 36,735 |
| Subtotal 93.172 | | | 117,644 | 549,564 |

**UNIVERSITY OF PITTSBURGH OF THE
COMMONWEALTH SYSTEM OF HIGHER EDUCATION**

Schedule of Expenditures of Federal Awards

Year ended June 30, 2021

| Federal Grantor/Pass Through Grantor/Program Title | Federal Assistance Listing Number (ALN) | Direct Award or pass-through entity identifying number | Passed through to subrecipients | Federal expenditures |
|---|--|---|--|-----------------------------|
| Research Related to Deafness and Communication Disorders | 93.173 | Direct | \$ 536,816 | 6,500,416 |
| Carnegie Mellon University | 93.173 | 1042912-425267 | — | 26,650 |
| East Tennessee State University | 93.173 | 19-114-2-S1.2 | — | 16,046 |
| Gateway Biotechnology, Inc. | 93.173 | HEARING LOSS | — | 13,941 |
| Lehigh University | 93.173 | 544396-78001 | — | 92,559 |
| New York University School of Medicine | 93.173 | 18-A0-00-1000392 | — | 330,735 |
| PhotoniCare Inc | 93.173 | PITT R44DC017422-01 | — | 250,303 |
| Prentke Romich Company | 93.173 | 5020 | — | 115,318 |
| University of Delaware | 93.173 | 55474 | — | 30,867 |
| University of Iowa | 93.173 | S01772-01 | — | 47,699 |
| University of Michigan | 93.173 | SUBK00012995 | — | 147,830 |
| University of South Carolina | 93.173 | 20-3921 | — | 225,807 |
| University of Utah | 93.173 | 10050816-02 | — | 143,839 |
| Subtotal 93.173 | | | 536,816 | 7,942,010 |
| Research and Training in Complementary and Integrative Health | 93.213 | Direct | 107,854 | 1,937,873 |
| Boston Medical Center | 93.213 | 7528 | — | 218,772 |
| Carnegie Mellon University | 93.213 | 1090541-397713 | — | 8,470 |
| Carnegie Mellon University | 93.213 | 1090552-404619 | — | (12,722) |
| Carnegie Mellon University | 93.213 | 1090552-404725 | — | 1,444 |
| Carnegie Mellon University | 93.213 | 1090587-421407 | — | 29,251 |
| Northwestern University | 93.213 | 60047299 PITT | — | 182,796 |
| Palmer College Foundation | 93.213 | 12270 | — | 3,636 |
| University of California San Diego | 93.213 | 119362080 | — | (2,865) |
| University of Minnesota | 93.213 | P007910101 | — | 551,320 |
| Veterans Health Foundation | 93.213 | FOOD POLYPHENOLS | — | 207 |
| Veterans Health Foundation | 93.213 | TABER MASKREY WORK | — | 583 |
| Washington State University | 93.213 | 132416 G003792 | — | 51,861 |
| Washington State University | 93.213 | 132416 G004253 | — | 252,777 |
| Subtotal 93.213 | | | 107,854 | 3,223,403 |
| University of Wisconsin | 93.226 | 00000001014 | — | 11,485 |
| National Center on Sleep Disorders Research | 93.233 | Direct | — | 1,448,829 |
| Magee-Womens Research Institute & Foundation | 93.233 | 7005 | — | 96,244 |
| Ohio State University | 93.233 | 60078519 | — | 71,272 |
| Oregon Health & Science University | 93.233 | 1012376_UPITT | — | 18,388 |
| University of Iowa | 93.233 | S01960-01 | — | 143,004 |
| Subtotal 93.233 | | | — | 1,777,737 |
| Mental Health Research Grants | 93.242 | Direct | 3,175,915 | 46,238,888 |
| Brigham & Womens Hospital | 93.242 | 117987 | — | 12,563 |
| C4 Innovations, LLC | 93.242 | 5546-01-2018 | — | 38,129 |
| Carnegie Mellon University | 93.242 | 1090521-397548 | — | 24,913 |
| Carnegie Mellon University | 93.242 | 1090522-390404 | — | 56,671 |
| Carnegie Mellon University | 93.242 | 1090534-406558 | — | 25,716 |
| Carnegie Mellon University | 93.242 | 1090626-431290 | — | 24,870 |
| Case Western Reserve University | 93.242 | RES514936 | — | 28,166 |
| Centre for Addiction and Mental Health | 93.242 | 19-121 | — | 95,976 |
| Centre for Addiction and Mental Health | 93.242 | 20-155 | — | 61,563 |
| Children's Research Institute | 93.242 | 30006090-01 | — | 95,643 |
| Drexel University | 93.242 | 900090 | — | 37,447 |
| Florida International University | 93.242 | 80000826801UG/000145 | — | 46,267 |
| Georgia State University | 93.242 | SP00014034-01 | — | 14,685 |
| Hartford Hospital | 93.242 | 126370-UP1 | — | 13,870 |
| Magee-Womens Research Institute & Foundation | 93.242 | 5238 | — | (2,343) |
| Medical University of South Carolina | 93.242 | A00-3829-S001 | — | 8,089 |
| Mount Sinai School of Medicine | 93.242 | 0255-0428-4609 | — | 803 |
| Mount Sinai School of Medicine | 93.242 | 0255-2001-4609 | — | 101,690 |
| Mount Sinai School of Medicine | 93.242 | 0255-5324-4609 | — | 55,554 |
| Mount Sinai School of Medicine | 93.242 | 0255-C411-4609 | — | 197,398 |
| NuReIm, Inc. | 93.242 | 20181031-PITT | — | (5,153) |
| NuReIm, Inc. | 93.242 | 20191122-Pitt | — | 24,957 |
| Research Foundation for Mental Hygiene, Inc. | 93.242 | 143742 | — | 363,991 |
| Research Foundation for Mental Hygiene, Inc. | 93.242 | 1013806 / 4 / 26690 | — | 218,293 |
| Rowan University | 93.242 | 51480-1 | — | 23,701 |
| RTI International | 93.242 | 2-312-0217393-65906L | — | 19,746 |
| University of California at Berkeley | 93.242 | 00010234 | — | 18,373 |
| University of California at San Francisco | 93.242 | 8114sc | — | (925) |
| University of Colorado | 93.242 | FY20.1021.003 | — | 23,782 |
| University of Michigan | 93.242 | 3003272653 | — | 588 |

**UNIVERSITY OF PITTSBURGH OF THE
COMMONWEALTH SYSTEM OF HIGHER EDUCATION**

Schedule of Expenditures of Federal Awards

Year ended June 30, 2021

| Federal Grantor/Pass Through Grantor/Program Title | Federal Assistance Listing Number (ALN) | Direct Award or pass-through entity identifying number | Passed through to subrecipients | Federal expenditures |
|--|--|---|--|-----------------------------|
| University of Michigan | 93.242 | 3004654072 | \$ — | 10,214 |
| University of Nebraska Medical Center | 93.242 | 34-5250-2007-001 | — | 112,778 |
| University of North Carolina | 93.242 | 5120382 | — | 12,054 |
| University of Oregon | 93.242 | 215770A | — | 319,180 |
| University of Oregon | 93.242 | 281450A | — | 273,457 |
| University of Rochester | 93.242 | 416630-G | — | 220,563 |
| University of Southern California | 93.242 | 82396976 | — | 5,102 |
| University of Vermont | 93.242 | 32146SUB52469 | — | 144,751 |
| University of Western Australia | 93.242 | 7R01 MH118218-02 | — | 159,390 |
| Wake Forest University | 93.242 | 100000-551843 | — | 9,526 |
| Wake Forest University | 93.242 | 100000-550833 | — | 9,526 |
| Washington University in St. Louis | 93.242 | WU-20-279 | — | 9,534 |
| Washington University in St. Louis | 93.242 | WU-21-150 | — | 97,979 |
| Yale University | 93.242 | CON80002971 GR112659 | — | 4,959 |
| Yale University | 93.242 | GR100611-CON80000808 | — | 16,997 |
| Yale University | 93.242 | GR110981-CON80002770 | — | 132,300 |
| Subtotal 93.242 | | | 3,175,915 | 49,402,221 |
| Alcohol Research Programs | 93.273 | Direct | 251,676 | 6,747,479 |
| Carnegie Mellon University | 93.273 | 1090526-389745 | — | 10,688 |
| Cleveland Clinic Lerner College of Medicine | 93.273 | 113-SUB | — | 23,979 |
| Cleveland Clinic Lerner College of Medicine | 93.273 | 1319-SUB | — | 2,540 |
| Pacific Institute for Research and Evaluation | 93.273 | 0097.38.06 | — | 92,225 |
| Pacific Institute for Research and Evaluation | 93.273 | 0097.39.06 | — | 115,100 |
| Pennsylvania State University | 93.273 | 6142-UP-DHHS-7288 | — | 1,692 |
| Rutgers University | 93.273 | 1614 | — | 141,868 |
| Wayne State University | 93.273 | WSU18014 | — | 20,418 |
| Yale University | 93.273 | GR107463CON-80001902 | — | 2,418 |
| Yale University | 93.273 | GR111862 CON80002850 | — | 11,333 |
| Subtotal 93.273 | | | 251,676 | 7,169,740 |
| Drug Abuse and Addiction Research Programs | 93.279 | Direct | 2,773,415 | 15,567,465 |
| COVID-19 Drug Abuse and Addiction Research Programs | 93.279 | Direct | — | 286,882 |
| American College of Medical Toxicology | 93.279 | 2020PITT | — | 3,360 |
| Carnegie Mellon University | 93.279 | 1090602-424175 | — | 14,152 |
| Carnegie Mellon University | 93.279 | 1090646-435929 | — | 26,134 |
| Carnegie Mellon University | 93.279 | 1090663-438851 | — | 28,814 |
| Hennepin Healthcare Research Institute | 93.279 | 15260-8 | — | 90,824 |
| Jackson Laboratory | 93.279 | 210247-0419-09 | — | (18,474) |
| Jackson Laboratory | 93.279 | 210247-0421-09 | — | 71,655 |
| Magee-Womens Research Institute & Foundation | 93.279 | 6590 | — | 170,244 |
| Magee-Womens Research Institute & Foundation | 93.279 | 8132 | — | 248,384 |
| Magee-Womens Research Institute & Foundation | 93.279 | 8135 | — | 12,846 |
| McLean Hospital | 93.279 | 401655 | — | 13,550 |
| McLean Hospital | 93.279 | ADVANCE ACCOUNT | — | 56,761 |
| Northwestern University | 93.279 | 60050859 PITT | — | 4,542 |
| RTI International | 93.279 | 888-11-16-02 | — | 18,004 |
| Rutgers University | 93.279 | 1564 | — | 313,382 |
| COVID-19 Rutgers University | 93.279 | 1734 | — | 56,224 |
| SRI International | 93.279 | PO27396 | — | 8,695 |
| Tamade, LLC | 93.279 | 01 PITT | — | 3,332 |
| Temple University | 93.279 | 262474-02-UPITT | — | 38,761 |
| University of Massachusetts | 93.279 | WA00458201OSP2017020 | — | 72,605 |
| University of Nebraska Medical Center | 93.279 | 34-5250-2009-001 | — | 160,566 |
| Virginia Commonwealth University | 93.279 | FP00000224_SA005 | — | 17,025 |
| Yale University | 93.279 | GR109741 | — | 202,135 |
| Yale University | 93.279 | ADVANCE ACCOUNT | — | 610 |
| Subtotal 93.279 | | | 2,773,415 | 17,468,478 |
| Discovery and Applied Research for Technological Innovations to Improve Human Health | 93.286 | Direct | 663,344 | 4,219,120 |
| Actuated Medical, Inc. | 93.286 | 5067-S02 | — | 58,439 |
| Carnegie Mellon University | 93.286 | 1090537-404150 | — | 12,926 |
| Carnegie Mellon University | 93.286 | 1090638-440020 | — | 32,481 |
| Case Western Reserve University | 93.286 | RES514740 | — | (5,989) |
| Case Western Reserve University | 93.286 | RES515559 | — | 85,740 |
| Children's Hospital of Los Angeles | 93.286 | RGF010339-B | — | 84,311 |
| Illinois Institute of Technology | 93.286 | A19-0016-S001 | — | 18,487 |
| Massachusetts General Hospital | 93.286 | 233327 | — | 109,528 |
| Ohio State University | 93.286 | GR121527 | — | 10,227 |
| University of California at Los Angeles | 93.286 | 1520 G YA802 | — | 28,900 |

**UNIVERSITY OF PITTSBURGH OF THE
COMMONWEALTH SYSTEM OF HIGHER EDUCATION**

Schedule of Expenditures of Federal Awards

Year ended June 30, 2021

| Federal Grantor/Pass Through Grantor/Program Title | Federal Assistance Listing Number (ALN) | Direct Award or pass-through entity identifying number | Passed through to subrecipients | Federal expenditures |
|---|--|---|--|-----------------------------|
| University of Michigan | 93.286 | SUBK00014332 | \$ — | 33,125 |
| University of North Carolina | 93.286 | 5108992 | — | 9,843 |
| University of Utah | 93.286 | 10049378-UPITT | — | 48,990 |
| University of Wisconsin | 93.286 | 0000000358 | — | 110,127 |
| Subtotal 93.286 | | | 663,344 | 4,856,255 |
| Minority Health and Health Disparities Research | 93.307 | Direct | 507,559 | 2,561,816 |
| Columbia University | 93.307 | 2(GG012238) | — | 58,722 |
| Mayo Clinic Rochester | 93.307 | UNI-259664-01 | — | 16,755 |
| University of Arizona | 93.307 | 462673 | — | 24,914 |
| University of New Mexico | 93.307 | 3RJK6 | — | 72,332 |
| University of North Carolina | 93.307 | 5115736 | — | 45,706 |
| University of Puerto Rico Medical Sciences Campus | 93.307 | PRENATAL STRESSORS | — | 24,241 |
| Subtotal 93.307 | | | 507,559 | 2,804,486 |
| Trans-NIH Research Support | 93.310 | Direct | 954,260 | 16,660,742 |
| Carnegie Mellon University | 93.310 | 1090580-423516 | — | 12,043 |
| Carnegie Mellon University | 93.310 | 1090629-423516 | — | 979,352 |
| Carnegie Mellon University | 93.310 | 1090655-438803 | — | 47,678 |
| Carnegie Mellon University | 93.310 | 1090656-436632 | — | 103,236 |
| Carnegie Mellon University | 93.310 | 1090667-440795 | — | 75,508 |
| Case Western Reserve University | 93.310 | RES512402 | — | 55,563 |
| Case Western Reserve University | 93.310 | RES514373 | — | 31,897 |
| Emory University | 93.310 | A389307 | — | 34,322 |
| GE Global Research | 93.310 | 401134920 | — | 1,454 |
| GE Global Research | 93.310 | 401147582 | — | 60,389 |
| Medical College of Wisconsin | 93.310 | 5U24 HG010423-02 | — | 28,306 |
| Micro-Leads, Inc. | 93.310 | 3OT2OD024908-01S1 | — | 18,394 |
| Micro-Leads, Inc. | 93.310 | 3OT2OD024908-01S4-Pi | — | 159,439 |
| Micro-Leads, Inc. | 93.310 | 3OT2OD024908PITT4908 | — | 191,936 |
| Mount Sinai School of Medicine | 93.310 | 0255-2446-4609 | — | 11,153 |
| Mount Sinai School of Medicine | 93.310 | 0255-E501-4609 | — | 18,480 |
| Pacific Northwest National Laboratory | 93.310 | 503935 | — | 264,491 |
| University of Melbourne | 93.310 | 3OT2OD023872TA102211 | — | 13,143 |
| University of Rochester | 93.310 | 417410-G GR510838 | — | 126,873 |
| University of Rochester | 93.310 | 417410G/UR FAO GR510 | — | 26,395 |
| University of Wisconsin | 93.310 | 0000000207 | — | (161) |
| University of Wisconsin | 93.310 | 0000000882 | — | 66,162 |
| Subtotal 93.310 | | | 954,260 | 18,986,795 |
| National Center for Advancing Translational Sciences | 93.350 | Direct | 4,670,323 | 23,176,733 |
| Children's Hospital of Boston | 93.350 | GENFD0001910603 | — | 41,752 |
| Duke University | 93.350 | 203-7853 | — | 39,033 |
| Duke University | 93.350 | A031871 (SPS-248405) | — | 2,096 |
| COVID-19 Johns Hopkins University | 93.350 | 2004857573 | — | 63,566 |
| Tufts Medical Center | 93.350 | 5017092-SERV | — | 171,525 |
| University of Texas Health Science Center at San Antonio | 93.350 | 167899/167892 | — | 143,643 |
| University of Utah | 93.350 | 10046258-04 | — | 16,603 |
| Vanderbilt University | 93.350 | UNIV60378 | — | 499,543 |
| Subtotal 93.350 | | | 4,670,323 | 24,154,494 |
| Research Infrastructure Programs | 93.351 | Direct | 254,179 | 2,132,512 |
| Carnegie Mellon University | 93.351 | 1090520-394508 | — | 63,464 |
| Magee-Womens Research Institute & Foundation | 93.351 | 2667 | — | 51,329 |
| University of Michigan | 93.351 | 3004884630 | — | 2,277 |
| Subtotal 93.351 | | | 254,179 | 2,249,582 |
| Fred Hutchinson Cancer Research Center | 93.353 | 0001003173 | — | (3,250) |
| Magee-Womens Research Institute & Foundation | 93.353 | 6800 | — | 188,041 |
| Roswell Park Cancer Institute | 93.353 | 378-01 | — | 84,305 |
| Subtotal 93.353 | | | — | 269,096 |
| Nursing Research | 93.361 | Direct | 553,908 | 3,691,794 |
| COVID-19 Nursing Research | 93.361 | Direct | — | 4,145 |
| Cornell University | 93.361 | 84286-11030 | — | 180,181 |
| Magee-Womens Research Institute & Foundation | 93.361 | 7015 | — | 52,414 |
| Ohio State University | 93.361 | 60076722 | — | 16,336 |
| Rand Corporation | 93.361 | SCON-00000379 | — | 34,615 |
| University of California at San Francisco | 93.361 | 11808sc | — | 17,178 |
| University of Colorado | 93.361 | FY20.1011.001 | — | 19,843 |
| University of Colorado | 93.361 | FY21.105.007 | — | 45,356 |

**UNIVERSITY OF PITTSBURGH OF THE
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Year ended June 30, 2021

| Federal Grantor/Pass Through Grantor/Program Title | Federal Assistance Listing Number (ALN) | Direct Award or pass-through entity identifying number | Passed through to subrecipients | Federal expenditures |
|--|---|--|---------------------------------|----------------------|
| University of North Carolina | 93.361 | 5106245 | \$ — | 101,130 |
| University of North Carolina | 93.361 | 5112455 | — | (614) |
| University of Tennessee | 93.361 | 20-0108-PITT | — | 6,069 |
| University of Tennessee | 93.361 | 21-0395-PITT | — | 15,172 |
| Subtotal 93.361 | | | 553,908 | 4,183,619 |
| Cancer Cause and Prevention Research | 93.393 | Direct | 877,353 | 8,762,533 |
| Carnegie Mellon University | 93.393 | 1090617-429056 | — | 26,932 |
| Carnegie Mellon University | 93.393 | 1090617-429439 | — | 50,653 |
| Children's Hospital of Boston | 93.393 | GENFD0001867403 | — | 63,027 |
| Children's Hospital of Boston | 93.393 | GENFD0001903383 | — | 115,117 |
| Emory University | 93.393 | A360034 | — | 185,035 |
| International Agency for Research on Cancer | 93.393 | CRA/GEP/2018/1 | — | 7,871 |
| Johns Hopkins University | 93.393 | 2003599606 | — | 16,434 |
| Mayo Clinic Rochester | 93.393 | UNI-256642 | — | 266 |
| Northwestern University | 93.393 | 60047262 PITT | — | 23,861 |
| Rand Corporation | 93.393 | SCON-00000163 | — | 52,880 |
| University of Arkansas | 93.393 | UA2021-210 | — | 98,864 |
| University of California Santa Cruz | 93.393 | A21-0753-S001 | — | 4,178 |
| University of Colorado | 93.393 | FY20.788.001 | — | 33,241 |
| University of Hawaii | 93.393 | KA1570 | — | 11,730 |
| University of Pennsylvania | 93.393 | 568654 | — | 17,897 |
| University of Texas M.D. Anderson Cancer Center | 93.393 | 3000991391 | — | (6,519) |
| University of Texas M.D. Anderson Cancer Center | 93.393 | 3001463099 | — | 9,003 |
| University of Texas M.D. Anderson Cancer Center | 93.393 | 3001631095 | — | 40,607 |
| Vanderbilt University Medical Center | 93.393 | VUMC74743 | — | 23,822 |
| Washington State University | 93.393 | 130544-G003975 | — | 34,916 |
| Subtotal 93.393 | | | 877,353 | 9,572,348 |
| Cancer Detection and Diagnosis Research | 93.394 | Direct | 1,087,344 | 6,405,688 |
| Boston University | 93.394 | 4500002272 | — | 50,155 |
| Brigham & Women's Hospital | 93.394 | 115580 | — | 125,534 |
| Duquesne University | 93.394 | G1400051 | — | (10,325) |
| Fred Hutchinson Cancer Research Center | 93.394 | 0001025251 | — | 13,226 |
| Johns Hopkins University | 93.394 | JHU_BRAND YR5 | — | 46,224 |
| Massachusetts General Hospital | 93.394 | 226786 | — | 2,250 |
| NRG Oncology Foundation, Inc. | 93.394 | NRG BSB | 19,284 | 20,882 |
| Ohio State University | 93.394 | 60076165 | — | 101,420 |
| Ohio State University | 93.394 | 60078846 | — | 5,242 |
| Research Institute at Nationwide Children's Hospital | 93.394 | 700216-0321-05 | — | 1,128 |
| Stanford University | 93.394 | 61960261-122878 | 6,208 | 109,293 |
| University of Chicago | 93.394 | AWD042423-03 | 101,524 | 2,435,115 |
| University of Chicago | 93.394 | AWD042423-03-PR | — | (4,411) |
| University of Chicago | 93.394 | AWD101457 | — | 4,794 |
| University of Chicago | 93.394 | ADVANCE ACCOUNT | — | 1,178,116 |
| University of Texas M.D. Anderson Cancer Center | 93.394 | 3001529471 | — | 43,642 |
| Van Andel Institute | 93.394 | V313-R1-2 | — | 72,178 |
| Van Andel Institute | 93.394 | V544-CR1-2 | — | 61,463 |
| Van Andel Institute | 93.394 | ADVANCE ACCOUNT | — | 23,483 |
| Subtotal 93.394 | | | 1,214,360 | 10,685,097 |
| Cancer Treatment Research | 93.395 | Direct | 541,590 | 13,028,495 |
| Brigham & Women's Hospital | 93.395 | 120624 | 41,093 | 479,110 |
| Brigham & Women's Hospital | 93.395 | 120627 | — | 145,157 |
| Brigham & Women's Hospital | 93.395 | BWH ALLIANCE | — | 545 |
| Cancer Targeted Technology, LLC | 93.395 | CTT-PITT09192018 | — | (9) |
| Cedars-Sinai Medical Center | 93.395 | 1620971 | — | 5,531 |
| Cedars-Sinai Medical Center | 93.395 | 1753440 | — | 16,141 |
| Children's Hospital of Philadelphia | 93.395 | 3208130624 | — | 127,547 |
| Children's Hospital of Philadelphia | 93.395 | 9500120719-04C | — | 201 |
| Children's Hospital of Philadelphia | 93.395 | FP00025505_SUB26_01 | — | 46,650 |
| Children's Hospital of Philadelphia | 93.395 | FP00026529_SUB208_01 | — | 31,072 |
| Children's Hospital of Philadelphia | 93.395 | FP00030519_SUB186_01 | — | 2,025 |
| Children's Hospital of Philadelphia | 93.395 | FP00033922_SUB142_01 | — | 9,781 |
| Children's Hospital of Philadelphia | 93.395 | FP25505_SUB75_01 | — | 670 |
| Children's Hospital of Philadelphia | 93.395 | SUB31 01 | — | 109,500 |
| Children's Research Institute | 93.395 | 30004166-04 | — | 13,348 |
| Duke University | 93.395 | A033349 | — | 155,420 |
| Ecog-Acrin Medical Research Foundation, Inc. | 93.395 | NCORP AGREEMENT | — | 566 |
| Ecog-Acrin Medical Research Foundation, Inc. | 93.395 | NCTN AGREEMENT | — | 223 |
| Ecog-Acrin Medical Research Foundation, Inc. | 93.395 | UG1CA189828-06-PITT1 | — | 1,589 |
| Emmes Corporation | 93.395 | AMC-085 | — | 13,067 |

**UNIVERSITY OF PITTSBURGH OF THE
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| Federal Grantor/Pass Through Grantor/Program Title | Federal Assistance Listing Number (ALN) | Direct Award or pass-through entity identifying number | Passed through to subrecipients | Federal expenditures |
|--|---|--|---------------------------------|----------------------|
| Emmes Corporation | 93.395 | Protocol # AMC-085 | \$ — | 5,791 |
| Fred Hutchinson Cancer Research Center | 93.395 | 0001044834 | — | 6,377 |
| Johns Hopkins University | 93.395 | ABTC 1401 | — | 2,928 |
| Johns Hopkins University | 93.395 | ABTC 1603 | — | 3,120 |
| Johns Hopkins University | 93.395 | ABTC 1604 | — | 3,592 |
| Johns Hopkins University | 93.395 | ABTC 1801 | — | 4,970 |
| Johns Hopkins University | 93.395 | ABTC1501BMSCA209-596 | — | 1,571 |
| Mayo Clinic Rochester | 93.395 | ALLIANCE | — | 1,605 |
| NRG Oncology Foundation, Inc. | 93.395 | NRG FED | — | 5,350 |
| NSABP Foundation, Inc. | 93.395 | NRG-Rastogi-GY6 | — | 2,889 |
| NSABP Foundation, Inc. | 93.395 | NSABP-Rastogi-GY6 | — | 203,864 |
| NSABP Foundation, Inc. | 93.395 | ADVANCE ACCOUNT | — | 67,457 |
| Roswell Park Cancer Institute | 93.395 | 379-01 | 39,843 | 407,012 |
| Roswell Park Cancer Institute | 93.395 | ADVANCE ACCOUNT | — | 210,820 |
| Seattle Children's Hospital | 93.395 | 12198SUB | — | 98,139 |
| St. Jude Children's Research Hospital | 93.395 | 110068201-7815261 | — | 9 |
| St. Jude Children's Research Hospital | 93.395 | 110068210-7942651 | — | 85,055 |
| St. Jude Children's Research Hospital | 93.395 | PBTC-051 | — | 121 |
| Texas State University | 93.395 | 19022-83187-1 | — | 17,332 |
| University of California at San Francisco | 93.395 | 8985SC | — | 17,916 |
| University of Illinois | 93.395 | 16349-04 | — | 69,578 |
| University of Michigan | 93.395 | 3004687808 | — | 226,670 |
| University of Michigan | 93.395 | SUBK000114-26 | — | 8,769 |
| University of Missouri | 93.395 | C00072882-1 | — | 23,131 |
| University of South Alabama | 93.395 | A17-0064-S004 | — | 34,587 |
| University of South Alabama | 93.395 | A17-0064-S005 | — | 8,114 |
| University of Virginia | 93.395 | GI15368 | — | 901 |
| Washington State University | 93.395 | 131481 G004243 | — | 67,344 |
| Subtotal 93.395 | | | 622,526 | 15,771,641 |
| Cancer Biology Research | 93.396 | Direct | 378,065 | 8,244,538 |
| Aethlon Medical, Inc. | 93.396 | 0001 | — | 224,615 |
| Johns Hopkins University | 93.396 | 2004525404 | — | 2,031 |
| Love Research Foundation | 93.396 | PITT-CA189966 | — | 5,552 |
| Magee-Womens Research Institute & Foundation | 93.396 | 6807 | — | 45,928 |
| Magee-Womens Research Institute & Foundation | 93.396 | 6810 | — | 223,172 |
| Magee-Womens Research Institute & Foundation | 93.396 | 6819 | — | 234,774 |
| Ohio State University | 93.396 | 60072259 | — | 13,390 |
| University of California at San Francisco | 93.396 | 12567SC | — | 91,065 |
| University of Pennsylvania | 93.396 | 568432 | — | 23,541 |
| University of Texas M.D. Anderson Cancer Center | 93.396 | 3001122307 | — | 10,785 |
| Wistar Institute | 93.396 | 25820-02-369 | — | 84,988 |
| Wistar Institute | 93.396 | 29016-02-324 | — | 139,056 |
| Subtotal 93.396 | | | 378,065 | 9,343,435 |
| Cancer Centers Support Grants | 93.397 | Direct | 48,616 | 7,290,115 |
| COVID-19 Cancer Centers Support Grants | 93.397 | Direct | — | 105,819 |
| Mayo Clinic Rochester | 93.397 | UNI-245908-01 | — | 20,422 |
| Mayo Clinic Rochester | 93.397 | ADVANCE ACCOUNT | — | 19,442 |
| Oregon Health & Science University | 93.397 | 1010517-009_UPITT | — | 30,673 |
| Subtotal 93.397 | | | 48,616 | 7,466,471 |
| Cancer Research Manpower | 93.398 | Direct | — | 2,400,904 |
| Magee-Womens Research Institute & Foundation | 93.398 | 6593 | — | 22,467 |
| Magee-Womens Research Institute & Foundation | 93.398 | 6594 | — | 104,048 |
| University of Rochester | 93.398 | 417575 | — | (2,963) |
| Subtotal 93.398 | | | — | 2,524,456 |
| Children's Hospital of Philadelphia | 93.399 | FP00028127 SUB104_01 | — | 19,675 |
| Ecog-Acrin Medical Research Foundation, Inc. | 93.399 | UG1CA189828-06-PITT1 | — | 17,580 |
| NRG Oncology Foundation, Inc. | 93.399 | NCORP-FORTE-PITT-GY7 | — | 579,907 |
| University of Chicago | 93.399 | AWD100665 | — | 1,695,825 |
| Subtotal 93.399 | | | — | 2,312,987 |
| Cardiovascular Diseases Research | 93.837 | Direct | 2,437,773 | 32,194,200 |
| COVID-19 Cardiovascular Diseases Research | 93.837 | Direct | 8,780 | 200,242 |
| All Children's Research Institute, Inc. | 93.837 | ACRI 13-001 | — | 1,004 |
| BloodCenter of Wisconsin, Inc. | 93.837 | 1001298-5-PITT | — | 4,241 |
| Brigham & Women's Hospital | 93.837 | 123910 | — | 84,114 |
| Brigham & Women's Hospital | 93.837 | INVESTED | — | (4,261) |
| Brown University | 93.837 | 00000954 | — | (1,867) |
| Brown University | 93.837 | 00000960 | — | 117,979 |

**UNIVERSITY OF PITTSBURGH OF THE
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Year ended June 30, 2021

| Federal Grantor/Pass Through Grantor/Program Title | Federal Assistance Listing Number (ALN) | Direct Award or pass-through entity identifying number | Passed through to subrecipients | Federal expenditures |
|--|---|--|---------------------------------|----------------------|
| Brown University | 93.837 | 00001214 | \$ — | 100,308 |
| Case Western Reserve University | 93.837 | RES516038 | — | 7,699 |
| Cincinnati Children's Hospital Medical Center | 93.837 | 137829 | — | 2,280 |
| Cleveland Clinic Lerner College of Medicine | 93.837 | 1226-SUB | — | (174) |
| Cleveland Clinic Lerner College of Medicine | 93.837 | 1354-SUB | — | 39,867 |
| Cleveland Clinic Lerner College of Medicine | 93.837 | ADVANCE ACCOUNT | — | 3,022 |
| Duke University | 93.837 | 2037894 | — | 1,034 |
| Duke University | 93.837 | A031560 | — | 488 |
| Emory University | 93.837 | T805573 | — | 23,727 |
| Feinstein Institute for Medical Research | 93.837 | 500736UOP | — | 28,226 |
| Fibronox LLC | 93.837 | AWD00003254 | — | 23,829 |
| Harvard University | 93.837 | 164659-5117656 | — | 19,103 |
| Henry M. Jackson Foundation | 93.837 | 3735 | — | 17,105 |
| Howard University | 93.837 | 0009735 -1000093580 | — | 16,922 |
| Kaiser Foundation Research Institute | 93.837 | RNG209939-01 | — | 9,192 |
| Magee-Womens Research Institute & Foundation | 93.837 | 5275 | — | 1,554 |
| Magee-Womens Research Institute & Foundation | 93.837 | 5278 | — | 50,993 |
| Magee-Womens Research Institute & Foundation | 93.837 | 2226-S1 | — | 84,942 |
| Magee-Womens Research Institute & Foundation | 93.837 | XXX417748XXX | — | 20,228 |
| Massachusetts General Hospital | 93.837 | 225709 | — | 41,315 |
| Massachusetts General Hospital | 93.837 | 230547 | — | 71,525 |
| Microvascular Therapeutics LLC | 93.837 | R43 HL152819-01 | — | 115,872 |
| New England Research Institutes | 93.837 | BEST-CLI | — | 9,321 |
| New England Research Institutes | 93.837 | HEART NETWORK | — | 136,007 |
| New England Research Institutes | 93.837 | HEART NETWORK SUBAWD | — | 2,418 |
| New England Research Institutes | 93.837 | Pediatric Heart Netw | — | 1,001 |
| New York University | 93.837 | 15-A1-00-003412-01 | — | 35,969 |
| Northwestern University | 93.837 | 60056895 PITT | — | 343,580 |
| Ohio State University | 93.837 | GR1222282 | — | 6,383 |
| Oregon Health & Science University | 93.837 | 1011985_UPITT | — | 30,645 |
| Rand Corporation | 93.837 | SCON-00000023 | — | 63,087 |
| Rand Corporation | 93.837 | SCON-00000147 | — | (15,504) |
| Research Foundation - State University of New York | 93.837 | 100-1091654-83591 | — | 1,226 |
| University of California at Los Angeles | 93.837 | 1520 G WC256 | — | 52,144 |
| University of California at San Francisco | 93.837 | 10893SC | — | 31,770 |
| University of California at San Francisco | 93.837 | 11667sc | — | 8,640 |
| University of California at San Francisco | 93.837 | 11668sc | 12,420 | 13,413 |
| University of California at San Francisco | 93.837 | 12481sc | — | 2,964 |
| University of Chicago | 93.837 | FP064434 | — | 96,310 |
| University of Delaware | 93.837 | 45433 | — | 17,270 |
| University of Michigan | 93.837 | SUBK00012344CSPR-003 | 10,000 | 156,648 |
| University of Minnesota | 93.837 | N006187439 | — | 14,000 |
| University of Nebraska Medical Center | 93.837 | 34-5224-2009-001 | — | 188,240 |
| University of Pennsylvania | 93.837 | 578977 | — | 19,152 |
| University of Pennsylvania | 93.837 | 579335 | — | 29,415 |
| University of Rochester | 93.837 | 417044GURFAOGR500479 | — | 1,079 |
| University of Rochester | 93.837 | 417488GURFAOGR510850 | — | 698 |
| University of Washington | 93.837 | UWSC12147 | — | 28,995 |
| University of Washington | 93.837 | UWSC12154 | — | 58,840 |
| University of Washington | 93.837 | UWSC9052 | — | 34,397 |
| University of Washington | 93.837 | UWSC9200 | — | 10,187 |
| Vanderbilt University Medical Center | 93.837 | VUMC84334 | — | 22,348 |
| Vivasc Therapeutics Inc | 93.837 | AMIODARONE HEART | — | 140,906 |
| Washington University in St. Louis | 93.837 | WU-20-537 | — | 56,646 |
| Yale University | 93.837 | GR107265-CON80001869 | — | 58,067 |
| Yale University | 93.837 | SNP6462264 | — | 219 |
| Subtotal 93.837 | | | 2,468,973 | 34,931,190 |
| Lung Diseases Research | 93.838 | Direct | 2,109,696 | 25,070,787 |
| Boston University | 93.838 | 4500003440 | — | 39,791 |
| Brigham & Women's Hospital | 93.838 | 122869 | — | 241,920 |
| COVID-19 Columbia University | 93.838 | 29(G015997-01) | — | 5,074 |
| COPD Foundation, Inc. | 93.838 | 003 | — | 973 |
| Indiana University | 93.838 | IN4687826UP | — | 8,190 |
| Massachusetts General Hospital | 93.838 | 229960 - PETAL | — | 36,010 |
| National Jewish Medical and Research Center | 93.838 | 20072410 | — | 136,691 |
| Ohio State University | 93.838 | 60070682 | — | 259,224 |
| Ohio State University | 93.838 | 60070683 | — | 143,887 |
| Ohio State University | 93.838 | 60070684 | 3,934 | 322,331 |
| Ohio State University | 93.838 | 60070685 | — | 652,147 |
| Ohio State University | 93.838 | 60070686 | — | 284,792 |
| Ohio State University | 93.838 | 60076004 | — | 11,633 |

**UNIVERSITY OF PITTSBURGH OF THE
COMMONWEALTH SYSTEM OF HIGHER EDUCATION**

Schedule of Expenditures of Federal Awards

Year ended June 30, 2021

| Federal Grantor/Pass Through Grantor/Program Title | Federal Assistance Listing Number (ALN) | Direct Award or pass-through entity identifying number | Passed through to subrecipients | Federal expenditures |
|---|--|---|--|-----------------------------|
| COVID-19 Partners Healthcare Systems | 93.838 | 236620 BLUE | \$ — | 15,725 |
| COVID-19 Partners Healthcare Systems | 93.838 | 236620 RED | 29,422 | 51,434 |
| COVID-19 Partners Healthcare Systems | 93.838 | ORCHID PETAL | 37 | 14,688 |
| COVID-19 RTI International | 93.838 | 28-312-0217571-66256 | 9,654 | 1,453,921 |
| Scripps Research Institute | 93.838 | 5-27245 | — | 41,346 |
| Ultragenyx Pharmaceutical, Inc. | 93.838 | A21-2105-S002 | — | 6,250 |
| University of Alabama | 93.838 | 000513913-SC001 | — | 62,977 |
| University of Alabama | 93.838 | 000521782-SC001 | — | 3,056 |
| University of Michigan | 93.838 | 3004174082 | — | 67,269 |
| University of Michigan | 93.838 | SUBK00015205 | — | 8,705 |
| University of Minnesota | 93.838 | N006919401 | — | 25,737 |
| University of North Carolina | 93.838 | 5114474-H3PITTSBUR | — | 215,969 |
| University of Pennsylvania | 93.838 | 579545 | — | 39,318 |
| University of Vermont | 93.838 | 33180SUB52703 | — | 108,849 |
| University of Virginia | 93.838 | GB10687.2141096 | — | 11,951 |
| University of Washington | 93.838 | UWSC11545/BPO44390 | — | 4,780 |
| Vanderbilt University Medical Center | 93.838 | VUMC73925 | — | 66,419 |
| Subtotal 93.838 | | | <u>2,152,743</u> | <u>29,411,844</u> |
| Blood Diseases and Resources Research | 93.839 | Direct | 1,134,412 | 10,500,176 |
| Blood Systems, Inc. | 93.839 | 11685UP140 | — | 8,036 |
| Cornell University | 93.839 | 84528-11104 | — | 74,635 |
| IGI Technologies, Inc. | 93.839 | 0004 | — | 37,523 |
| Medical College of Wisconsin | 93.839 | Prime5R01HL128371-04 | — | 14,304 |
| National Marrow Donor Program | 93.839 | 1507 | — | 5,073 |
| Ohio State University | 93.839 | 60058497 | — | 11,135 |
| Rutgers University | 93.839 | 0963 | — | (355) |
| Rutgers University | 93.839 | 1476 | — | 7,570 |
| Strathmore University | 93.839 | HL151595-01a-PITTS | — | 87,811 |
| University of Alabama | 93.839 | 000523494-SC001-NoI | — | 32,797 |
| University of Ghana | 93.839 | U54HL141011 | — | 77,798 |
| University of Michigan | 93.839 | SUBK00011502 | — | 109,950 |
| University of Michigan | 93.839 | SUBK00009081 | — | 116,182 |
| University of Minnesota | 93.839 | N007036802 | — | 4,762 |
| University of Washington | 93.839 | UWSC8676 | — | 15,061 |
| Washington University in St. Louis | 93.839 | WU-18-272 | — | 4,438 |
| Subtotal 93.839 | | | <u>1,134,412</u> | <u>11,106,896</u> |
| Translation and Implementation Science Research for Heart, Lung, Blood Diseases, and Sleep Disorders | 93.840 | Direct | 77,879 | 935,537 |
| COVID-19 RTI International | 93.840 | 10-312-0217571-66085 | 5,209,853 | 6,825,177 |
| COVID-19 RTI International | 93.840 | 6-312-0217571-66053L | 20,672 | 1,643,623 |
| COVID-19 RTI International | 93.840 | 9-312-0217571-66057L | 5,631,914 | 7,830,464 |
| Subtotal 93.840 | | | <u>10,940,318</u> | <u>17,234,801</u> |
| Arthritis, Musculoskeletal & Skin Diseases Research | 93.846 | Direct | 1,042,238 | 13,209,376 |
| Brigham & Women's Hospital | 93.846 | 113296 | — | 23 |
| Brigham & Women's Hospital | 93.846 | 117004 | — | 58,149 |
| Brigham & Women's Hospital | 93.846 | 117592 | — | 15,111 |
| Brigham & Women's Hospital | 93.846 | 119689 | — | 5,726 |
| Columbia University | 93.846 | 2(GG012460) | — | 23,764 |
| Emory University | 93.846 | T801152 | — | 26,621 |
| ExesaLibero Pharma, Inc. | 93.846 | 00000 | — | 59,398 |
| ExesaLibero Pharma, Inc. | 93.846 | AR074812 | — | 4,334 |
| Johns Hopkins University | 93.846 | 2003840289 | — | 60,024 |
| University of Michigan | 93.846 | SUBK00011255 | — | 12,372 |
| University of Michigan | 93.846 | SUBK00012371 | — | 17,011 |
| University of Texas Southwestern Medical Center | 93.846 | GMO 200901 | — | 77,347 |
| Subtotal 93.846 | | | <u>1,042,238</u> | <u>13,569,256</u> |
| Diabetes, Digestive, and Kidney Diseases Extramural Research | 93.847 | Direct | 2,292,632 | 41,913,412 |
| COVID-19 Diabetes, Digestive, and Kidney Diseases Extramural Research | 93.847 | Direct | — | 1,008,597 |
| Arbor Research Collaborative for Health | 93.847 | DLV | — | 2,772 |
| Augusta University | 93.847 | 30835-58 | 19,475 | 22,560 |
| Augusta University | 93.847 | 32307-53 | — | 31,344 |
| Beth Israel Deaconess Medical Center | 93.847 | 01060496 | — | 78,061 |
| Carnegie Mellon University | 93.847 | 1090558-406229 | — | 114,700 |
| Case Western Reserve University | 93.847 | RES512837 | — | (208) |
| Case Western Reserve University | 93.847 | RES514449 | — | 175 |
| Case Western Reserve University | 93.847 | RES515405 | — | 101,549 |
| Children's Hospital of Boston | 93.847 | GENFD0001703554 | — | 84,689 |
| Children's Hospital of Boston | 93.847 | GENFD0001899207 | — | 39,358 |

**UNIVERSITY OF PITTSBURGH OF THE
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Schedule of Expenditures of Federal Awards

Year ended June 30, 2021

| Federal Grantor/Pass Through Grantor/Program Title | Federal Assistance Listing Number (ALN) | Direct Award or pass-through entity identifying number | Passed through to subrecipients | Federal expenditures |
|--|---|--|---------------------------------|----------------------|
| Cincinnati Children's Hospital Medical Center | 93.847 | 312604 | \$ — | 158,218 |
| Cleveland Clinic Lerner College of Medicine | 93.847 | 1248-SUB | — | (1,212) |
| Cleveland Clinic Lerner College of Medicine | 93.847 | 1304-SUB | — | 40,445 |
| Cleveland Clinic Lerner College of Medicine | 93.847 | 1444-SUB | — | 7,050 |
| Cleveland Clinic Lerner College of Medicine | 93.847 | 1453-SUB | — | 249,157 |
| Emmes Corporation | 93.847 | CITR STUDY | — | 618 |
| George Washington University | 93.847 | 17-D15 | — | 36,529 |
| Indiana University | 93.847 | 8015-UP | — | 3,195 |
| Indiana University | 93.847 | IN-4687972-UP | — | 39,909 |
| Johns Hopkins University | 93.847 | 2004074834 | — | 2,060 |
| Johns Hopkins University | 93.847 | 2004447456 | — | 57,810 |
| Kaiser Foundation Research Institute | 93.847 | RNG200279-07 | — | 5,899 |
| Lipella Pharmaceuticals, Inc. | 93.847 | 2R42DK108397 | — | 128,555 |
| Medical University of South Carolina | 93.847 | A00-2010-S011 | — | 26,812 |
| Medical University of South Carolina | 93.847 | A00-3656-S011 | — | 148,720 |
| Mount Sinai School of Medicine | 93.847 | 0255-A942-4609 | — | 13,481 |
| Mount Sinai School of Medicine | 93.847 | 0255-A943-4609 | — | 6,093 |
| New York University School of Medicine | 93.847 | 113049 | — | 947 |
| New York University School of Medicine | 93.847 | 19-A1-00-1000729 | — | 26,179 |
| Northern California Institute for Research and Education | 93.847 | CHA2206-01 | — | 170,080 |
| Pennsylvania State University | 93.847 | UPITTDK111667 | — | 74,816 |
| Research Institute - McGill University Health Center | 93.847 | CC393 | — | 204,291 |
| Temple University | 93.847 | 265300-PITT | — | 30,088 |
| Thomas Jefferson University | 93.847 | 080-18007-S33501 | — | 10,402 |
| University of California at Los Angeles | 93.847 | 1560 B XA637 | — | 2,722 |
| University of California at San Francisco | 93.847 | 10749SC | — | 50,839 |
| University of Chicago | 93.847 | AWD100245 | — | 230,887 |
| University of Colorado | 93.847 | FY12.601.001 | — | (2,241) |
| University of Colorado | 93.847 | FY18.896.005 | — | 34,379 |
| University of Illinois | 93.847 | 087522-16458 | — | 15,502 |
| University of Iowa | 93.847 | S00542-02 | — | 20,458 |
| University of Iowa | 93.847 | S01233-01 | — | 3,000 |
| University of Kansas | 93.847 | ZAL00040 | — | 55,391 |
| University of Kansas | 93.847 | ZAY00020 | — | 190,487 |
| University of Kentucky | 93.847 | 3200003449-21-061 | — | 35,938 |
| University of Michigan | 93.847 | 3004635705 | — | (118) |
| University of Michigan | 93.847 | SUBK00003528 | — | (635) |
| University of Michigan | 93.847 | SUBK00012517 | — | (319) |
| University of Minnesota | 93.847 | N005115005 | — | 8,882 |
| University of Pennsylvania | 93.847 | 571237 | — | 20,566 |
| University of Pennsylvania | 93.847 | 579594 | — | 7,308 |
| University of South Florida | 93.847 | 6163-1051-00-BM | — | 135 |
| University of South Florida | 93.847 | 6163-1082-00-BM | — | 44,186 |
| University of South Florida | 93.847 | 6163-1082-00-T | — | 8,858 |
| University of South Florida | 93.847 | 6163-1082-10-BM | — | 566,931 |
| University of South Florida | 93.847 | Clinic Site#14 | — | (8,753) |
| University of Southern California | 93.847 | 110873538 | — | 20,480 |
| University of Texas Health Science Center at Houston | 93.847 | 0013642A | — | 32,555 |
| University of Texas Health Science Center at Houston | 93.847 | 0013642B | — | 13,322 |
| University of Texas M.D. Anderson Cancer Center | 93.847 | 3000970743 | — | 12,614 |
| University of Texas M.D. Anderson Cancer Center | 93.847 | 3001657184 | — | 15,544 |
| University of Virginia | 93.847 | GB10483.PO #2207857 | — | 8,380 |
| University of Washington | 93.847 | UWSC11707 | — | 15,243 |
| University of Washington | 93.847 | UWSC12216 | — | 22,242 |
| Vanderbilt University Medical Center | 93.847 | VUMC67777 | — | 534,152 |
| Vanderbilt University Medical Center | 93.847 | VUMC74664 | — | (4,157) |
| Virginia Commonwealth University | 93.847 | PD302920-SC104320 | — | 59,496 |
| Washington University in St. Louis | 93.847 | WU-20-139 | — | 486,725 |
| Washington University in St. Louis | 93.847 | Wu-20-140 | — | 155,319 |
| Washington University in St. Louis | 93.847 | WU-21-371 | — | 3,869 |
| Wistar Institute | 93.847 | 25691-04-381 | — | 382,510 |
| Subtotal 93.847 | | | 2,312,107 | 47,879,848 |
| Extramural Research Programs in the Neurosciences and Neurological Disorders | 93.853 | Direct | 2,286,502 | 29,102,536 |
| Actuated Medical, Inc. | 93.853 | 5070-S03 | — | 19,364 |
| Barati Medical LLC | 93.853 | BM-S022019 | — | 36,167 |
| Baylor College of Medicine | 93.853 | 7000000742 | 65,598 | 201,620 |
| Baylor College of Medicine | 93.853 | 7000000812 | — | 89,988 |
| Carnegie Mellon University | 93.853 | 1090508-385128 | — | 233,123 |
| Carnegie Mellon University | 93.853 | 1090615-430033 | — | 56,104 |
| Carnegie Mellon University | 93.853 | 1090630-432509 | — | 318,320 |

**UNIVERSITY OF PITTSBURGH OF THE
COMMONWEALTH SYSTEM OF HIGHER EDUCATION**

Schedule of Expenditures of Federal Awards

Year ended June 30, 2021

| Federal Grantor/Pass Through Grantor/Program Title | Federal Assistance Listing Number (ALN) | Direct Award or pass-through entity identifying number | Passed through to subrecipients | Federal expenditures |
|--|---|--|---------------------------------|----------------------|
| Children's Hospital of Los Angeles | 93.853 | 000013147-F | \$ — | 29,112 |
| Children's Research Institute | 93.853 | 30003963-56 | — | (250) |
| Cincinnati Children's Hospital Medical Center | 93.853 | 137754 | — | 47,562 |
| Cleveland Clinic Lerner College of Medicine | 93.853 | 917-SUB | — | 2,393 |
| Columbia University | 93.853 | 1(GG015805-01) | — | 343,968 |
| Columbia University | 93.853 | 13(GG014929-10) | — | 1,184 |
| Columbia University | 93.853 | 20(GG014929-16) | — | 32,508 |
| Columbia University | 93.853 | 5(GG013057-14) | 8,468 | 8,468 |
| Columbia University | 93.853 | 7(GG015970-01) | — | 9,527 |
| Drexel University | 93.853 | 900044 | — | 9,780 |
| Duquesne University | 93.853 | G1900015 | — | (212) |
| Duquesne University | 93.853 | G2000093 | — | 15,494 |
| eWear Technologies, LLC. | 93.853 | UPITTSUN AWD00001599 | — | 39,620 |
| Indiana University | 93.853 | 8433 | — | 123,485 |
| Lovelace Respiratory Research Institute | 93.853 | TK002008 | — | 37,527 |
| Massachusetts General Hospital | 93.853 | 235424 | — | 18,311 |
| Massachusetts General Hospital | 93.853 | 236710 | — | (9,431) |
| Massachusetts General Hospital | 93.853 | 237602 | — | 126,700 |
| Massachusetts General Hospital | 93.853 | NN106 | — | (226) |
| Massachusetts General Hospital | 93.853 | NN107 FX-LEARN | — | 3,591 |
| Massachusetts General Hospital | 93.853 | NN10-NEURO NEXT | — | 5,068 |
| Mayo Clinic Jacksonville | 93.853 | PIT-232483-03 | — | 3,221 |
| Mayo Clinic Jacksonville | 93.853 | PIT-232483-04 | — | 200 |
| Mayo Clinic Jacksonville | 93.853 | PMC-224063-01 | — | 19,133 |
| Mayo Clinic Jacksonville | 93.853 | UPM-224063-02 | — | 3,526 |
| Mayo Clinic Rochester | 93.853 | PIT-260175/66982474 | — | 6,318 |
| Mayo Clinic Rochester | 93.853 | PIT-260175-01 | — | 17,473 |
| Medical University of South Carolina | 93.853 | A20-0051-S004 | — | 37,358 |
| Northeastern University | 93.853 | 500722-78050 | — | 76,935 |
| Northwestern University | 93.853 | 60049288 PITT | — | 38,386 |
| Northwestern University | 93.853 | 60054977 PITT | — | 445,185 |
| Northwestern University | 93.853 | 60054977 PITT-FR | — | 448 |
| Oregon Health & Science University | 93.853 | 1010846 UPITT | — | 74,138 |
| Psychology Software Tools, Inc. | 93.853 | 10372902-2001 | — | 186,069 |
| ReveraGen BioPharma, Inc. | 93.853 | XXXXXXXX | — | 42,146 |
| Stanford University | 93.853 | 61865510-125439 | — | 15,354 |
| Stanford University | 93.853 | 62557484-179030 | — | 23,447 |
| TDA Research, Inc. | 93.853 | BC.6107.001.PITT1801 | — | 161,939 |
| Thermaquil, Inc. | 93.853 | FP00006196 | — | 84,105 |
| University of Arizona | 93.853 | 519141 | — | 25,545 |
| University of California at Los Angeles | 93.853 | 1580 G WG282 | — | (16,245) |
| University of California at San Francisco | 93.853 | 10591SC | — | 524 |
| University of California at San Francisco | 93.853 | 11937SC | — | 92,244 |
| University of California at San Francisco | 93.853 | 7872sc | — | 15,804 |
| University of California at San Francisco | 93.853 | 9711sc | — | 27,423 |
| University of Cincinnati | 93.853 | 010785-119092 | — | 12,140 |
| University of Cincinnati | 93.853 | 011266-119092 | — | 6,079 |
| University of Cincinnati | 93.853 | 011337-119092 | — | 1,862 |
| University of Cincinnati | 93.853 | 012043-119092 | — | 878 |
| University of Cincinnati | 93.853 | 012044-119092 | — | 878 |
| University of Cincinnati | 93.853 | 012358-119092 | — | 1,410 |
| University of Michigan | 93.853 | SUBK00004093-ESETT | — | (1,616) |
| University of Michigan | 93.853 | SUBK00005942 | — | 78,217 |
| University of Michigan | 93.853 | SUBK00007466 | — | 285,937 |
| University of Michigan | 93.853 | SUBK10299CSPR-002 | 15,000 | 50,411 |
| University of Pennsylvania | 93.853 | 575637 | — | 968 |
| University of Pennsylvania | 93.853 | 578251 | — | 689 |
| University of Pennsylvania | 93.853 | 578474 | — | 16,828 |
| University of Pennsylvania | 93.853 | 579752 | — | 13,408 |
| University of Pennsylvania | 93.853 | 580268 | — | 292,652 |
| University of Pennsylvania | 93.853 | 580573 | — | 33,196 |
| University of Pennsylvania | 93.853 | 580268-A | — | 129,053 |
| University of Pennsylvania | 93.853 | ADVANCE ACCOUNT | — | 6,248 |
| University of South Florida | 93.853 | 6143-1198-00-A | — | 144,803 |
| University of Southern California | 93.853 | 85743790 | — | (81) |
| University of Texas at Austin | 93.853 | UTA19-000901 | — | 15,085 |
| University of Utah | 93.853 | 10050533-07 | — | 31,493 |
| University of Wisconsin | 93.853 | 0000000110 | — | 35,196 |
| Subtotal 93.853 | | | 2,375,568 | 33,437,811 |

**UNIVERSITY OF PITTSBURGH OF THE
COMMONWEALTH SYSTEM OF HIGHER EDUCATION**

Schedule of Expenditures of Federal Awards

Year ended June 30, 2021

| Federal Grantor/Pass Through Grantor/Program Title | Federal Assistance Listing Number (ALN) | Direct Award or pass-through entity identifying number | Passed through to subrecipients | Federal expenditures |
|---|---|--|---------------------------------|----------------------|
| Allergy and Infectious Diseases Research | 93.855 | Direct | \$ 7,831,565 | 47,434,155 |
| COVID-19 Allergy and Infectious Diseases Research | 93.855 | Direct | 231,183 | 813,042 |
| Aaron Diamond AIDS Research Center | 93.855 | A13-300-AMBROSE | — | (2,195) |
| Albany Medical College | 93.855 | 515476-UPITT | — | 204,387 |
| Albert Einstein College of Medicine | 93.855 | 311618 | — | 97,758 |
| Benaroya Research Institute at Virginia Mason | 93.855 | FY19ITN126 | — | 101,664 |
| Benaroya Research Institute at Virginia Mason | 93.855 | FY19ITN262 | — | 4,701 |
| Benaroya Research Institute at Virginia Mason | 93.855 | FY20ITN154 | — | 3,356 |
| Benaroya Research Institute at Virginia Mason | 93.855 | FY20ITN229 | — | 4,313 |
| Benaroya Research Institute at Virginia Mason | 93.855 | FY21ITN154 | — | 1,638 |
| Benaroya Research Institute at Virginia Mason | 93.855 | FY21ITN260 | — | 43 |
| Beth Israel Deaconess Medical Center | 93.855 | 01061542 | — | 10,870 |
| Beth Israel Deaconess Medical Center | 93.855 | 01061544 | — | (252) |
| Beth Israel Deaconess Medical Center | 93.855 | 01062501 | — | 108,274 |
| Beth Israel Deaconess Medical Center | 93.855 | 01062505 | — | 200,332 |
| Beth Israel Deaconess Medical Center | 93.855 | 01062506 | — | 60,902 |
| Beth Israel Deaconess Medical Center | 93.855 | 01062507 | — | 57,460 |
| Boston College | 93.855 | 5103185-3 | — | 239,834 |
| Boston University | 93.855 | 4500003387 | — | 135,511 |
| Brigham & Women's Hospital | 93.855 | 110668 | — | 108 |
| Calder Biosciences, Inc. | 93.855 | 1-R43-AI140941 | — | 9,634 |
| Case Western Reserve University | 93.855 | RES515814 | — | 6,512 |
| Celdara Medical, LLC | 93.855 | COMBAT MDR ESKAPE | — | 84,993 |
| Children's Hospital of Boston | 93.855 | GENFD0001899030 | — | 18,536 |
| Children's Hospital of Los Angeles | 93.855 | RGF010603-E | — | 104,716 |
| Columbia University | 93.855 | 1 (GG015863-01) | — | 7,383 |
| Columbia University | 93.855 | 1(GG011896-65) | — | 17,205 |
| Columbia University | 93.855 | 1(GG013567-24) | — | 360,357 |
| Columbia University | 93.855 | 11(GG011896-65) | — | 56,563 |
| Columbia University | 93.855 | 2(GG015959-01) | — | 2,418 |
| Columbia University | 93.855 | 25(GG011896-65) | — | 8,623 |
| Cornell University | 93.855 | 82337-10919 | — | 305,968 |
| Duke University | 93.855 | 189925/218470 | — | 9,243 |
| Duke University | 93.855 | A032960 | — | 151 |
| Duke University | 93.855 | A032969 | — | 13,243 |
| Duke University | 93.855 | A032990 | — | 18,261 |
| Duke University | 93.855 | A033013 | — | 31,725 |
| Duke University | 93.855 | A034260, SPS-261113 | — | 2,000 |
| Duke University | 93.855 | A03-4273 | — | 50,341 |
| Duke University | 93.855 | A034286 | — | 14,302 |
| Emory University | 93.855 | A025496 | — | 368 |
| Emory University | 93.855 | A283228-A333175 | — | 16,479 |
| Emory University | 93.855 | T772943 | — | 55,165 |
| Family Health International 360 | 93.855 | HPTN 083 | 322,987 | 324,023 |
| Family Health International 360 | 93.855 | PO20000489 | — | 38,320 |
| COVID-19 Family Health International 360 | 93.855 | PO20002538 | — | 349,875 |
| COVID-19 Family Health International 360 | 93.855 | PO20002894 | — | 657,082 |
| COVID-19 Family Health International 360 | 93.855 | PO20003342 | — | 464,343 |
| Fox Chase Chemical Diversity Center | 93.855 | 88-R41AI155054-Pitt | — | 139,076 |
| Grow Biomedicine LLC | 93.855 | G20-R41AI152919-R1-0 | — | 48,478 |
| Joan & Sanford I. Weill Medical College of Cornell University | 93.855 | 203538 | — | 19,077 |
| Joan & Sanford I. Weill Medical College of Cornell University | 93.855 | 193572-14 | — | 51 |
| Johns Hopkins University | 93.855 | 2002364878 | — | 237,158 |
| Johns Hopkins University | 93.855 | 2002367033 | — | 34,063 |
| Johns Hopkins University | 93.855 | 2003649298 | — | 193 |
| Johns Hopkins University | 93.855 | 2004767954 | — | 29,001 |
| Johns Hopkins University | 93.855 | ADVANCE ACCOUNT | — | 18,664 |
| Magee-Womens Research Institute & Foundation | 93.855 | 4691 | — | 85,295 |
| Magee-Womens Research Institute & Foundation | 93.855 | 4692 | — | 164,556 |
| Magee-Womens Research Institute & Foundation | 93.855 | 4693 | — | 116,591 |
| Magee-Womens Research Institute & Foundation | 93.855 | 4694 | — | 36,639 |
| Magee-Womens Research Institute & Foundation | 93.855 | 6760 | — | 111,221 |
| Magee-Womens Research Institute & Foundation | 93.855 | 7311 | — | 76,720 |
| Magee-Womens Research Institute & Foundation | 93.855 | 9155 | — | 380,667 |
| Magee-Womens Research Institute & Foundation | 93.855 | 9642 | — | 307,539 |
| Magee-Womens Research Institute & Foundation | 93.855 | 9669 | — | 6,627 |
| Magee-Womens Research Institute & Foundation | 93.855 | 9670 | — | 23,648 |
| Magee-Womens Research Institute & Foundation | 93.855 | 9684 | — | 551,701 |
| Magee-Womens Research Institute & Foundation | 93.855 | 9688 | — | 46,738 |
| Magee-Womens Research Institute & Foundation | 93.855 | 9702 | — | 251,848 |
| Magee-Womens Research Institute & Foundation | 93.855 | 9723 | — | 45,706 |
| Magee-Womens Research Institute & Foundation | 93.855 | 9733 | — | 282,443 |

**UNIVERSITY OF PITTSBURGH OF THE
COMMONWEALTH SYSTEM OF HIGHER EDUCATION**

Schedule of Expenditures of Federal Awards

Year ended June 30, 2021

| Federal Grantor/Pass Through Grantor/Program Title | Federal Assistance Listing Number (ALN) | Direct Award or pass-through entity identifying number | Passed through to subrecipients | Federal expenditures |
|--|---|--|---------------------------------|----------------------|
| Magee-Womens Research Institute & Foundation | 93.855 | 9736 | \$ — | 27,205 |
| Magee-Womens Research Institute & Foundation | 93.855 | ADVANCE ACCOUNT | — | 15,416 |
| Massachusetts General Hospital | 93.855 | 229712 | — | 10,792 |
| New York Medical College | 93.855 | 123981 | — | 87,435 |
| New York University School of Medicine | 93.855 | 19-A1-00-1002528 | — | 109,906 |
| Northwestern University | 93.855 | 60055769 UPITT | — | 181,654 |
| RTI International | 93.855 | 2-340-0217434-66010L | — | 12,496 |
| Rutgers University | 93.855 | 0399 | — | 7,561 |
| Stanford University | 93.855 | 62522526-12879 | — | 41,456 |
| Temple University | 93.855 | 263647-PITT | — | 73,217 |
| Temple University | 93.855 | 263851-UPITT | — | 74,313 |
| Temple University | 93.855 | 264828-PITT | — | 36,095 |
| Tulane University | 93.855 | TUL-HSC-555655-17/18 | — | 11,930 |
| University of Alabama | 93.855 | 000518900-001 | — | 58,582 |
| University of Alabama | 93.855 | 000520606-001 | — | 11,012 |
| University of California at Berkeley | 93.855 | 00009381 | — | 165,870 |
| University of California at Los Angeles | 93.855 | 1560 B WA687 | — | 231,332 |
| COVID-19 University of California at Los Angeles | 93.855 | 1560 B WA687 | — | 113,982 |
| University of California at Los Angeles | 93.855 | 1560 B XB468 | — | 28,452 |
| University of California at Los Angeles | 93.855 | 1560 B XB802 | — | 2,504 |
| University of California at Los Angeles | 93.855 | 1560 B XC384 | — | 114,041 |
| University of California at Los Angeles | 93.855 | 1560 B YB238 | — | 219,218 |
| University of California at Los Angeles | 93.855 | 1560 B YC374 | — | 50,475 |
| University of California at Los Angeles | 93.855 | 1560 B YC623 | — | 976 |
| University of California at Los Angeles | 93.855 | 1560 G WA740 | — | 10,313 |
| University of California at Los Angeles | 93.855 | 1560 G WA947 | — | 3,136 |
| University of California at Los Angeles | 93.855 | 1560 G WA971 | — | 3,176 |
| University of California at Los Angeles | 93.855 | 1560 G YB318 | — | 1,925 |
| University of California at Los Angeles | 93.855 | 1560 G YB345 | — | 7,219 |
| University of California at Los Angeles | 93.855 | 1560 G YB693 | — | 958 |
| University of California at Los Angeles | 93.855 | 1650 G WA397 | — | 108,752 |
| University of California at Los Angeles | 93.855 | 1650 G WA398 | — | 160,977 |
| COVID-19 University of California at Los Angeles | 93.855 | 1650 G YA108 | — | 308,413 |
| University of California at Los Angeles | 93.855 | 1650 G YA471 | — | 133,077 |
| University of California at Los Angeles | 93.855 | 1650 G YA473 | — | 139,099 |
| University of California at San Francisco | 93.855 | 10737sc | — | 15,837 |
| University of California at San Francisco | 93.855 | 9878SC | — | (13) |
| University of Colorado | 93.855 | FY21.1075.002 | — | 63,774 |
| University of Florida | 93.855 | UFDSP00011376 | — | 1,043,767 |
| University of Louisville | 93.855 | ULRF 14-0588B5-01 | — | 21,241 |
| University of Louisville | 93.855 | ULRF-14-0588G5-01 | — | 288,233 |
| University of Maryland | 93.855 | 55360-Z0082201 | — | 247,315 |
| University of Maryland, Baltimore | 93.855 | 1701055 | — | 886 |
| University of Michigan | 93.855 | 3003868253 | — | 132,637 |
| University of Minnesota | 93.855 | N008312001 | — | 70,920 |
| University of Pennsylvania | 93.855 | 574339 | — | 7,746 |
| COVID-19 University of Pennsylvania | 93.855 | 578115 | — | 77,460 |
| University of Pennsylvania | 93.855 | 580222 | — | 72,428 |
| University of Tennessee | 93.855 | 194556-PITT | — | (483) |
| University of Texas Health Science Center at Tyler | 93.855 | 6032-SC21-14 | — | 145,313 |
| University of Washington | 93.855 | UWSC10069 | — | 26,660 |
| University of Washington | 93.855 | UWSC11034/38085 | — | (712) |
| University of Washington | 93.855 | UWSC11034/BPO38085 | — | 100,311 |
| University of Washington | 93.855 | UWSC11958 | — | 156,848 |
| Vanderbilt University Medical Center | 93.855 | VUMC71219 | — | 210,784 |
| Vanderbilt University Medical Center | 93.855 | VUMC78980 | — | 44,927 |
| COVID-19 Vanderbilt University Medical Center | 93.855 | VUMC84614 | — | 1,345,332 |
| COVID-19 Vanderbilt University Medical Center | 93.855 | VUMC86255 | — | 534,849 |
| Vanderbilt University Medical Center | 93.855 | VUMC89650 | — | 4,836 |
| Washington University in St. Louis | 93.855 | WU-19-428 | — | 10,456 |
| Washington University in St. Louis | 93.855 | WU-19-432-MOD-1 | — | 7,109 |
| Washington University in St. Louis | 93.855 | WU-20-336 | — | 73,645 |
| Washington University in St. Louis | 93.855 | WU-21-276 | — | 51,033 |
| Washington University in St. Louis | 93.855 | WU-21-414 | — | 12,242 |
| Subtotal 93.855 | | | 8,385,735 | 62,845,776 |
| Biomedical Research and Research Training | 93.859 | Direct | 4,685,270 | 28,707,956 |
| COVID-19 Biomedical Research and Research Training | 93.859 | Direct | 126,415 | 576,315 |
| Albert Einstein College of Medicine | 93.859 | 311823 | — | 73,913 |
| Baylor College of Medicine | 93.859 | 7000001003 | — | 33,561 |
| Carnegie Mellon University | 93.859 | 1090631-432775 | — | 35,878 |
| Carnegie Mellon University | 93.859 | 1090631-432783 | — | 37,250 |

**UNIVERSITY OF PITTSBURGH OF THE
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Year ended June 30, 2021

| Federal Grantor/Pass Through Grantor/Program Title | Federal Assistance Listing Number (ALN) | Direct Award or pass-through entity identifying number | Passed through to subrecipients | Federal expenditures |
|---|--|---|--|-----------------------------|
| Carnegie Mellon University | 93.859 | 1090645-435259 | \$ — | 31,684 |
| Cleveland Clinic Lerner College of Medicine | 93.859 | 1255-SUB | — | 2,330 |
| Cleveland Clinic Lerner College of Medicine | 93.859 | 1376-SUB | — | 5,826 |
| Columbia University | 93.859 | 1(GG014062) | — | 25,204 |
| George Mason University | 93.859 | E2052933 | — | 47,391 |
| LTS Computing LLC | 93.859 | SUB00000001 | — | 4,848 |
| Magee-Womens Research Institute & Foundation | 93.859 | 3624 | — | 53,033 |
| Magee-Womens Research Institute & Foundation | 93.859 | 3625 | — | 210,726 |
| Magee-Womens Research Institute & Foundation | 93.859 | 3626 | — | 156,091 |
| North Carolina State University | 93.859 | 2017-2356-02 | — | 5,072 |
| Ohio State University | 93.859 | 60062579 | — | 11,711 |
| Rutgers University | 93.859 | 1220 | — | 179,177 |
| University of California at San Francisco | 93.859 | 10503SC | — | (47) |
| University of Cincinnati | 93.859 | 011843-002 | — | 4,711 |
| University of Massachusetts | 93.859 | OSP2017045 | — | 2,586 |
| University of Massachusetts | 93.859 | OSP32239-01 | — | 59,204 |
| University of Nevada, Las Vegas | 93.859 | MTA00004155AM1 | — | 878 |
| University of Texas Southwestern Medical Center | 93.859 | GM0201205 PO00000019 | — | (1,467) |
| University of Wisconsin | 93.859 | 881K252 | — | 146,196 |
| Wayne State University | 93.859 | WSU21010 | — | 125,015 |
| Subtotal 93.859 | | | 4,811,685 | 30,535,042 |
| Child Health and Human Development Extramural Research | 93.865 | Direct | 1,163,054 | 11,399,513 |
| Albert Einstein Healthcare Network | 93.865 | 4934 | — | 10,687 |
| Baebies, Inc. | 93.865 | RESEARCH AGREEMENT | — | 494 |
| Brown University | 93.865 | 00001650 | — | 18,465 |
| Brown University | 93.865 | 00001652 | — | 33,053 |
| Brown University | 93.865 | 00001654 | — | 6,155 |
| Brown University | 93.865 | 00001660 | 12,537 | 53,379 |
| Brown University | 93.865 | 00001663 | — | 72,291 |
| Brown University | 93.865 | ADVANCE ACCOUNT | — | 3,440 |
| Brown University | 93.865 | ADVANCE ACCOUNT | — | 7,005 |
| Brown University | 93.865 | ADVANCE ACCOUNT | — | 540 |
| Brown University | 93.865 | ADVANCE ACCOUNT | — | 1,079 |
| Brown University | 93.865 | ADVANCE ACCOUNT | — | 2,463 |
| California Pacific Medical Center Research Institute | 93.865 | 280201015-S220 | — | 1,929,631 |
| Children's Mercy Hospital | 93.865 | 41543122 | — | 7,705 |
| Children's Research Institute | 93.865 | 30005504-04 | — | 149,026 |
| Cornell University | 93.865 | 192428 | — | 2,959 |
| Duke University | 93.865 | 3021741 | — | 20,385 |
| Gaia Medical Institute | 93.865 | SALIVA NCDT | — | 8,359 |
| George Washington University | 93.865 | S-MFM1920-CF15 | 111,122 | 196,932 |
| Global Health Uganda Ltd | 93.865 | GHU/012019/03 | — | 7,334 |
| Indiana University | 93.865 | IN4685314UPITT | — | 10,359 |
| Joan & Sanford I. Weill Medical College of Cornell University | 93.865 | 212826-11 | — | 67,680 |
| Magee-Womens Research Institute & Foundation | 93.865 | 1426 | — | 345,844 |
| Magee-Womens Research Institute & Foundation | 93.865 | 1427 | — | 65,519 |
| Magee-Womens Research Institute & Foundation | 93.865 | 1428 | — | 47,057 |
| Magee-Womens Research Institute & Foundation | 93.865 | 1429 | — | 17,004 |
| Magee-Womens Research Institute & Foundation | 93.865 | 2657 | — | (2,609) |
| Magee-Womens Research Institute & Foundation | 93.865 | 2660 | — | 378,188 |
| Magee-Womens Research Institute & Foundation | 93.865 | 2666 | — | 19,176 |
| Magee-Womens Research Institute & Foundation | 93.865 | 2668 | — | 218,991 |
| Magee-Womens Research Institute & Foundation | 93.865 | 2669 | — | 137,208 |
| Magee-Womens Research Institute & Foundation | 93.865 | 2673 | — | 41,781 |
| Magee-Womens Research Institute & Foundation | 93.865 | 3495 | — | 251,313 |
| Magee-Womens Research Institute & Foundation | 93.865 | 3503 | — | 173,514 |
| Magee-Womens Research Institute & Foundation | 93.865 | 3646 | — | 72,612 |
| Magee-Womens Research Institute & Foundation | 93.865 | 3653 | — | 3,302 |
| Magee-Womens Research Institute & Foundation | 93.865 | 3655 | — | 11,124 |
| Magee-Womens Research Institute & Foundation | 93.865 | 3656 | — | 11,013 |
| Magee-Womens Research Institute & Foundation | 93.865 | 3660 | — | 18,782 |
| Magee-Womens Research Institute & Foundation | 93.865 | 3662 | — | 361,989 |
| Magee-Womens Research Institute & Foundation | 93.865 | 4034 | — | 194,292 |
| Magee-Womens Research Institute & Foundation | 93.865 | 4036 | — | 108,005 |
| Magee-Womens Research Institute & Foundation | 93.865 | 4037 | — | 4,300 |
| Magee-Womens Research Institute & Foundation | 93.865 | 4090 | — | 24,987 |
| Magee-Womens Research Institute & Foundation | 93.865 | 4111 | — | 33,660 |
| Magee-Womens Research Institute & Foundation | 93.865 | 4115 | — | 80,525 |
| Magee-Womens Research Institute & Foundation | 93.865 | 5277 | — | 76,490 |
| Magee-Womens Research Institute & Foundation | 93.865 | 5285 | — | 19,266 |
| Magee-Womens Research Institute & Foundation | 93.865 | 5728 | — | 54,925 |

**UNIVERSITY OF PITTSBURGH OF THE
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Schedule of Expenditures of Federal Awards

Year ended June 30, 2021

| Federal Grantor/Pass Through Grantor/Program Title | Federal Assistance Listing Number (ALN) | Direct Award or pass-through entity identifying number | Passed through to subrecipients | Federal expenditures |
|---|--|---|--|-----------------------------|
| Magee-Womens Research Institute & Foundation | 93.865 | 6214 | \$ — | 96,933 |
| Magee-Womens Research Institute & Foundation | 93.865 | 6221 | — | (26) |
| Magee-Womens Research Institute & Foundation | 93.865 | 6223 | — | 186,931 |
| Magee-Womens Research Institute & Foundation | 93.865 | 6374 | — | 134,224 |
| Magee-Womens Research Institute & Foundation | 93.865 | 7024 | — | 111,195 |
| Magee-Womens Research Institute & Foundation | 93.865 | 7532 | — | 144,669 |
| Medical University of South Carolina | 93.865 | A00-2240-S012 | — | 8,995 |
| Medical University of South Carolina | 93.865 | A00-2240-S016 | — | 689 |
| Mount Sinai School of Medicine | 93.865 | 0255-C431-4609 | — | 74,377 |
| New York University | 93.865 | F1234-01 | — | 319,965 |
| Oregon Health & Science University | 93.865 | 1014357_UPITT | — | 75,825 |
| Oregon Health & Science University | 93.865 | 1014948_UPITT | — | 55,323 |
| Oregon Health & Science University | 93.865 | 1014948_UPITT_A1 | — | 24,677 |
| Oregon State University | 93.865 | P0446A-B | — | 13,170 |
| Research Institute at Nationwide Children's Hospital | 93.865 | 700171-0720-00 | — | 16,401 |
| Research Institute at Nationwide Children's Hospital | 93.865 | 700171-0721-00 | — | 15,971 |
| Sharp Mary Birch Hospital For Women And Newborns | 93.865 | RO12019 UPITT | — | (8,161) |
| Simbex, LLC | 93.865 | SIMBEX-008 | — | (270) |
| Tufts Medical Center | 93.865 | 5017275-SERV | — | 12,109 |
| University of Chicago | 93.865 | FP059400-A | — | 7,901 |
| University of Colorado | 93.865 | SUBAWARDFY20.812.006 | — | 9,605 |
| University of Kansas | 93.865 | PCORNET TO DSCONNECT | — | 14,015 |
| University of Minnesota | 93.865 | P006341401 | — | 33,218 |
| University of Missouri | 93.865 | C00069141-5 | — | 134,981 |
| University of Texas Southwestern Medical Center | 93.865 | GMO 190901 | — | 24,871 |
| University of Utah | 93.865 | 10035609-UPMC | — | 20,463 |
| University of Utah | 93.865 | 10051369-06 | — | 118,852 |
| University of Wisconsin | 93.865 | 203405449 | — | 107,079 |
| Vanderbilt University | 93.865 | UNIV61499 | — | 25,017 |
| Washington University in St. Louis | 93.865 | WU-20-145 | — | 2,531 |
| Washington University in St. Louis | 93.865 | WU-20-268 | — | 27,554 |
| Washington University in St. Louis | 93.865 | WU-21-199 | — | 32,273 |
| Washington University in St. Louis | 93.865 | WU-21-200 | — | 109,913 |
| Yale University | 93.865 | GR110592 /80002693 | — | 36,384 |
| Yale University | 93.865 | GR111195 | — | 24,877 |
| Subtotal 93.865 | | | 1,286,713 | 18,789,723 |
| Aging Research | 93.866 | Direct | 13,024,492 | 53,873,382 |
| Adventist Health System/Sunbelt, Inc. | 93.866 | 1528745-PITT | — | 82,899 |
| Adventist Health System/Sunbelt, Inc. | 93.866 | 1534612-Pitt | — | 170,485 |
| Beth Israel Deaconess Medical Center | 93.866 | 01062008 | — | 12,781 |
| Boston Medical Center | 93.866 | 7810 | — | 15,659 |
| Boston University | 93.866 | 4500003276 | — | 44,741 |
| Brown University | 93.866 | 00001632 | — | 15,504 |
| California Pacific Medical Center Research Institute | 93.866 | 280201009-S197 | — | 29,900 |
| California Pacific Medical Center Research Institute | 93.866 | 280201015-S275 | — | 9,873 |
| California Pacific Medical Center Research Institute | 93.866 | 280201018-S234 | — | 41,395 |
| California Pacific Medical Center Research Institute | 93.866 | 280201023-S255 | — | 182,977 |
| California Pacific Medical Center Research Institute | 93.866 | 280201024-S282 | — | 12,791 |
| California Pacific Medical Center Research Institute | 93.866 | 280201029-S226 | — | 27,807 |
| California Pacific Medical Center Research Institute | 93.866 | P-164 | — | 32,230 |
| Columbia University | 93.866 | 2(GG014792-01) | — | 35,641 |
| Columbia University | 93.866 | 7(GG012955-04) | — | (4,855) |
| Columbia University | 93.866 | 7(GG012955-05) | — | 63,408 |
| Crossroads Consulting, LLC | 93.866 | NIHSBIR2-01 | — | 1,421 |
| Dartmouth College | 93.866 | R1031 | — | 52,066 |
| Duke University | 93.866 | A032814 | — | 31,347 |
| Duke University | 93.866 | A03-3101 | — | 3,302 |
| Duke University | 93.866 | A03-3871 | — | 8,817 |
| Emory University | 93.866 | A242549 | — | 7,379 |
| Emory University | 93.866 | A372167 | — | 152,166 |
| Hennepin Healthcare Research Institute | 93.866 | 15318-20-03FFS | — | 83,822 |
| Indiana University | 93.866 | 8161_UPITT | — | 267,640 |
| Indiana University | 93.866 | 8170_PITT ADMIN | — | 9,073 |
| Indiana University | 93.866 | 8170_PITT DMP | — | 2,499 |
| Indiana University | 93.866 | 8170_PITT PTC | — | 23,280 |
| Indiana University | 93.866 | 8170_YR 5 ADMIN | — | 12,549 |
| Indiana University | 93.866 | 8170_YR 5 PITT DMP | — | 12,549 |
| Indiana University | 93.866 | 8170_YR5PTC | — | 197,256 |
| Joan & Sanford I. Weill Medical College of Cornell University | 93.866 | 202558 | — | 14,243 |
| Johns Hopkins University | 93.866 | 2003451222 | — | 4,239 |
| Johns Hopkins University | 93.866 | 2003469191 | — | 67,528 |

**UNIVERSITY OF PITTSBURGH OF THE
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| Federal Grantor/Pass Through Grantor/Program Title | Federal Assistance Listing Number (ALN) | Direct Award or pass-through entity identifying number | Passed through to subrecipients | Federal expenditures |
|---|--|---|--|-----------------------------|
| Johns Hopkins University | 93.866 | 2004534256 | \$ — | 6,511 |
| Johns Hopkins University | 93.866 | 2004989403 | — | 4,632 |
| Magee-Womens Research Institute & Foundation | 93.866 | 5246 | — | 49,098 |
| Magee-Womens Research Institute & Foundation | 93.866 | 6373 | — | 79,214 |
| Magee-Womens Research Institute & Foundation | 93.866 | 6591 | — | 184,640 |
| Massachusetts General Hospital | 93.866 | 232963 | — | 37,446 |
| Massachusetts Institute of Technology | 93.866 | S4692-PO-271461 | — | 50,953 |
| New York University | 93.866 | 17-A1-00-000074 | — | 22,693 |
| New York University School of Medicine | 93.866 | 16-A0-00-006099 | — | 3,442 |
| New York University School of Medicine | 93.866 | 17-A1-00-007453-01 | — | (2,092) |
| New York University School of Medicine | 93.866 | 17-A-1-00-007453-01 | — | 22,693 |
| Northern California Institute for Research and Education | 93.866 | WEI2015-09 | — | 112,296 |
| Northwestern University | 93.866 | 60040682 UP | — | 14,631 |
| Northwestern University | 93.866 | 60048330Pitt | — | 33,246 |
| Rand Corporation | 93.866 | SCON-00000398 | — | 42,621 |
| St. Joseph's Hospital and Medical Center | 93.866 | 32114UPitt | — | 239,268 |
| St. Joseph's Hospital and Medical Center | 93.866 | 32144PITT | — | (33,427) |
| Texas A&M University | 93.866 | M2000395 | — | 85,754 |
| Thomas Jefferson University | 93.866 | 080-18007-S41101 | — | 7,801 |
| University of California at Los Angeles | 93.866 | 1560 B WB556 | — | 4,352 |
| University of California at San Francisco | 93.866 | 10480SC | — | 114,342 |
| University of California at San Francisco | 93.866 | 11646sc | — | 22,935 |
| University of California Davis | 93.866 | A21-0198-S003 | — | 19,930 |
| University of Delaware | 93.866 | 51725 | — | 285,135 |
| University of Exeter | 93.866 | 113424-1 | — | 55,623 |
| University of Florida | 93.866 | SUB000001819 | — | 17,264 |
| University of Kansas | 93.866 | ZAL00030 | — | 114,742 |
| University of Kansas | 93.866 | ZAN00000 | — | (826) |
| University of Massachusetts | 93.866 | OSP2018118 | — | 7,006 |
| University of Michigan | 93.866 | SUBK00003635 | — | 10,425 |
| University of Michigan | 93.866 | SUBK00003641 | — | 34,229 |
| University of New South Wales | 93.866 | RG172507 | — | 30,262 |
| University of South Florida | 93.866 | 1229-1118-00-B | — | 26,871 |
| University of Southern California | 93.866 | 79635068 | — | 24,410 |
| University of Southern California | 93.866 | 105715756 | — | 83,138 |
| University of Southern California | 93.866 | 117125887 | — | 9,536 |
| University of Southern California | 93.866 | 120117153 | — | 68,098 |
| University of Southern California | 93.866 | 125556934 | — | 34,028 |
| University of Southern California | 93.866 | 137875237 | — | 57,634 |
| University of Texas Health Science Center at Houston | 93.866 | SA0000288 | — | 3,516 |
| University of Texas Health Science Center at San Antonio | 93.866 | 167333/167328 | — | 4,803 |
| University of Washington | 93.866 | UWSC10962 | — | 18,203 |
| University of Washington | 93.866 | UWSC7739 | — | 76,472 |
| University of Wisconsin | 93.866 | 0000000690 | — | 6,964 |
| University of Wisconsin | 93.866 | 0000000959 | — | 19,113 |
| University of Wisconsin | 93.866 | 0000001154 | — | 27,990 |
| University of Wisconsin | 93.866 | 0000001224 | — | 7,489 |
| University of Wisconsin | 93.866 | 0000001243 | — | 28,497 |
| Wake Forest University | 93.866 | 164-100710-552702 | — | 15,505 |
| Washington University in St. Louis | 93.866 | WU-19-277-MOD-3 | — | 6,219 |
| Washington University in St. Louis | 93.866 | WU-20-136 | — | (9,031) |
| Washington University in St. Louis | 93.866 | WU-20-340 | — | 91,297 |
| Washington University in St. Louis | 93.866 | WU-20-485 | — | 839,525 |
| Washington University in St. Louis | 93.866 | WU-21-50 | — | 79,086 |
| Washington University in St. Louis | 93.866 | ADVANCE ACCOUNT | — | 214,430 |
| Subtotal 93.866 | | | 13,024,492 | 59,008,426 |
| Vision Research | 93.867 | Direct | 137,105 | 7,459,409 |
| Carnegie Mellon University | 93.867 | 1090501-380395 | — | 24,452 |
| Johns Hopkins University | 93.867 | 2003070657 | — | 6,323 |
| Johns Hopkins University | 93.867 | 2003816234 | — | 38,322 |
| Johns Hopkins University | 93.867 | 2004697335 | — | 2,209 |
| Legacy Emanuel Hospital & Health Center | 93.867 | 2019-BF-02 | — | 184,356 |
| New York University School of Medicine | 93.867 | 19-A0-00-006701 | — | 8,343 |
| Schepens Eye Research Institute | 93.867 | 533027 | — | 13,716 |
| University of Southern California | 93.867 | 100927092 | — | 178,996 |
| University of Texas at Austin | 93.867 | UTA17-001015 | — | 1,272 |
| University of Utah | 93.867 | 10055605-01 | — | 44,258 |
| Yale University | 93.867 | GR104143-CON80001549 | — | 55,299 |
| Subtotal 93.867 | | | 137,105 | 8,016,955 |

**UNIVERSITY OF PITTSBURGH OF THE
COMMONWEALTH SYSTEM OF HIGHER EDUCATION**

Schedule of Expenditures of Federal Awards

Year ended June 30, 2021

| Federal Grantor/Pass Through Grantor/Program Title | Federal Assistance Listing Number (ALN) | Direct Award or pass-through entity identifying number | Passed through to subrecipients | Federal expenditures |
|---|--|---|--|-----------------------------|
| Medical Library Assistance | 93.879 | Direct | \$ 981,691 | 5,444,998 |
| Allegheny County Library Association | 93.879 | 134329-3 | — | 14,704 |
| Harvard Medical School | 93.879 | 150265.5116303.0002 | — | 9,016 |
| Indiana University | 93.879 | IN4688956PITT | — | 15,013 |
| Subtotal 93.879 | | | 981,691 | 5,483,731 |
| International Research and Research Training | 93.989 | Direct | 431,289 | 994,964 |
| Other National Institutes of Health: | | | | |
| Allergy and Infectious Diseases | 93.RD | Direct | — | 17,155 |
| Cancer | 93.RD | Direct | — | 108,730 |
| Child Health | 93.RD | Direct | — | 3,758 |
| Clinical Center | 93.RD | Direct | — | 18,699 |
| Drug Abuse | 93.RD | Direct | — | 1,871,939 |
| Heart, Lung & Blood | 93.RD | Direct | — | 134,555 |
| Children's Hospital of Philadelphia | 93.RD | 20026676-RSUB | — | 86,376 |
| Children's Hospital of Philadelphia | 93.RD | 962265 - RSUB | — | 30,404 |
| Children's Hospital of Philadelphia | 93.RD | 962543 - RSUB | — | (29,055) |
| Children's Hospital of Philadelphia | 93.RD | ADVANCE ACCOUNT | — | 35,432 |
| Chromologic LLC | 93.RD | CLMSA 2021-002 | — | 26,635 |
| Chromologic LLC | 93.RD | MSA 2020-002 | — | 75,412 |
| Chromologic LLC | 93.RD | MSA 2021-001 | — | 39,581 |
| DILIsym Services, Inc. | 93.RD | ADVANCE ACCOUNT | — | 55,193 |
| Duke University | 93.RD | SITE#UPT99 | — | 2,334 |
| Fox Chase Cancer Center | 93.RD | 18041-01 | — | 69,523 |
| Fred Hutchinson Cancer Research Center | 93.RD | ADVANCE ACCOUNT | — | 1,283 |
| Harvard University | 93.RD | 109786.5110767 | — | 1,167,895 |
| COVID-19 Integrated Laboratory Systems LLC | 93.RD | ILS200893 | — | 148,364 |
| International Agency for Research on Cancer | 93.RD | ADVANCE ACCOUNT | — | 3,186 |
| Johns Hopkins University | 93.RD | 2004264761 | 73,327 | 152,969 |
| Johns Hopkins University | 93.RD | 2004630782 | 81,240 | 355,748 |
| Leidos Biomedical Research, Inc. | 93.RD | 12XS547 | — | 180,493 |
| Leidos Biomedical Research, Inc. | 93.RD | 16X116 | — | 554,778 |
| Leidos Biomedical Research, Inc. | 93.RD | 16X162Q TASK 01 | — | 467,684 |
| Leidos Biomedical Research, Inc. | 93.RD | 16X162Q TASK 02 | — | 9 |
| Leidos Biomedical Research, Inc. | 93.RD | 16X162Q TASK 03 | — | 369,976 |
| Leidos Biomedical Research, Inc. | 93.RD | 19X133 | — | 34,485 |
| Leidos Biomedical Research, Inc. | 93.RD | 20X052Q | — | 131,129 |
| Leidos Biomedical Research, Inc. | 93.RD | 21X016F | — | 309,519 |
| Magee-Womens Research Institute & Foundation | 93.RD | 4539 | — | 1,737 |
| Magee-Womens Research Institute & Foundation | 93.RD | 4540 | — | 4,671 |
| Magee-Womens Research Institute & Foundation | 93.RD | 5523 | — | 9,672 |
| Magee-Womens Research Institute & Foundation | 93.RD | 5547 | — | 12,511 |
| Magee-Womens Research Institute & Foundation | 93.RD | 5595 | — | 14,608 |
| Magee-Womens Research Institute & Foundation | 93.RD | 9153 | — | 115,778 |
| Magee-Womens Research Institute & Foundation | 93.RD | ADVANCE ACCOUNT | — | 22 |
| Magee-Womens Research Institute & Foundation | 93.RD | ADVANCE ACCOUNT | — | 32,532 |
| COVID-19 Massachusetts General Hospital | 93.RD | 237165 | — | 15,288 |
| Mayo Clinic Rochester | 93.RD | MCR-0125-CPN | — | 9,628 |
| Mayo Clinic Rochester | 93.RD | MCR-0135-CPN | — | 6,228 |
| Northwestern University | 93.RD | SP0033779 60044358 | — | 10,417 |
| Northwestern University | 93.RD | SP0033779 60047201 | — | 235 |
| Northwestern University | 93.RD | SP003377960044358CHP | — | 4,270 |
| Northwestern University | 93.RD | SP003377960047201CHP | — | 16,835 |
| Pacific Northwest National Laboratory | 93.RD | ADVANCE ACCOUNT | — | 23,979 |
| COVID-19 RTI International | 93.RD | 3-312-0217571-66017L | 4,083,431 | 4,739,983 |
| University of Alabama | 93.RD | 000406190-010 | — | (272) |
| University of Alabama | 93.RD | 000406257-027 | — | 12,333 |
| University of Alabama | 93.RD | 000509729-002 | — | 45,397 |
| University of Alabama | 93.RD | 000509734-019 | — | (225) |
| University of Alabama | 93.RD | 000524050-T006-006 | 11,670 | 18,042 |
| University of Alabama | 93.RD | 000524050-T008-002 | 57,875 | 82,333 |
| University of Alabama | 93.RD | 000524050-T009-009 | — | 5,887 |
| COVID-19 University of California at Los Angeles | 93.RD | ADVANCE ACCOUNT | — | 309,119 |
| University of Hawaii | 93.RD | ADVANCE ACCOUNT | — | 26,604 |
| University of Hong Kong | 93.RD | FERRET TRANSMISSION | — | (1,886) |
| University of Maryland | 93.RD | ADVANCE ACCOUNT | — | 79,073 |
| University of Minnesota | 93.RD | N006462001 | — | 225,208 |
| University of North Carolina | 93.RD | 5116098 | — | 20,000 |
| University of Washington | 93.RD | UWSC12412 | — | 31,361 |
| Van Andel Institute | 93.RD | ADVANCE ACCOUNT | — | 20,742 |
| Westat, Inc. | 93.RD | 6426-S08 | — | 6,945 |

**UNIVERSITY OF PITTSBURGH OF THE
COMMONWEALTH SYSTEM OF HIGHER EDUCATION**

Schedule of Expenditures of Federal Awards

Year ended June 30, 2021

| Federal Grantor/Pass Through Grantor/Program Title | Federal Assistance Listing Number (ALN) | Direct Award or pass-through entity identifying number | Passed through to subrecipients | Federal expenditures |
|---|--|---|--|-----------------------------|
| Westat, Inc. | 93.RD | 6473-03-S002 | \$ — | 2,821 |
| Zymeron Corporation | 93.RD | Z115/UPMC | — | 28,624 |
| Subtotal 93.RD | | | 4,307,543 | 12,354,689 |
| Total National Institutes of Health | | | 76,336,587 | 605,059,025 |
| Substance Abuse and Mental Health Services Administration: | | | | |
| Allegheny County | 93.104 | 211450 | — | 34,734 |
| Allegheny County | 93.104 | 254376 | — | 66,521 |
| Luzerne County | 93.104 | CARE INITIATIVE | — | 45,495 |
| Luzerne County | 93.104 | SYSTEM OF CARE | — | 93,868 |
| Subtotal 93.104 | | | — | 240,618 |
| Allegheny County | 93.243 | 253480 | — | 70,271 |
| Allegheny Singer Research Institute | 93.243 | 45100809 | — | 151,357 |
| Allegheny Singer Research Institute | 93.243 | 45101009 | — | 114,568 |
| CMSU Counties of Central Pennsylvania | 93.243 | BHARP SOC EXP | — | 115,068 |
| CMSU Counties of Central Pennsylvania | 93.243 | BHARP TREE PROJECT | — | 98,563 |
| Commonwealth of Pennsylvania | 93.243 | 4300673648 | — | 246,091 |
| Jefferson County Metro Government | 93.243 | RECAST | — | 22,793 |
| Westmoreland Drug and Alcohol Commission, Inc. | 93.243 | 0001 | — | 210,252 |
| Subtotal 93.243 | | | — | 1,028,963 |
| University of Pittsburgh Medical Center (UPMC) | 93.RD | 4100079078 | — | 4,642 |
| Total Substance Abuse and Mental Health Services Administration | | | — | 1,274,223 |
| DHHS Other: | | | | |
| Mayo Clinic Rochester | 93.RD | MCR-0138-CPN | — | 68,845 |
| Total DHHS Other | | | — | 68,845 |
| Total Department of Health and Human Services | | | 79,140,786 | 629,991,865 |
| Department of Defense: | | | | |
| Advanced Research Projects Agency: | | | | |
| Research and Technology Development | 12.910 | Direct | 2,480,039 | 4,050,428 |
| University of California at Berkeley | 12.910 | 00010253 | — | 512 |
| Subtotal 12.910 | | | 2,480,039 | 4,050,940 |
| Other Advanced Research Projects Agency | 12.RD | Direct | — | 759,641 |
| Carnegie Mellon University | 12.RD | 1990638-430434 | — | 169,914 |
| CorePower Magnetics Inc | 12.RD | HR001121C0094-01 | — | 30,348 |
| Subtotal 12.RD | | | — | 959,903 |
| Total Advanced Research Projects Agency | | | 2,480,039 | 5,010,843 |
| Defense Health Agency: | | | | |
| Intelligent Automation, Inc. | 12.RD | 2544-3 | — | 4,148 |
| Total Defense Health Agency | | | — | 4,148 |
| Defense Threat Reduction Agency: | | | | |
| Scientific Research - Combating Weapons of Mass Destruction | 12.351 | Direct | 313,727 | 1,978,144 |
| Washington University in St. Louis | 12.351 | WU-15-243 | — | 699,947 |
| Subtotal 12.351 | | | 313,727 | 2,678,091 |
| Other Advanced Research Projects Agency | 12.RD | Direct | — | 59,204 |
| Emory University | 12.RD | A295233 | — | 74,993 |
| Southwest Research Institute | 12.RD | M99022VE2 | — | 191,901 |
| Subtotal 12.RD | | | — | 326,098 |
| Total Defense Threat Reduction Agency | | | 313,727 | 3,004,189 |
| Department of the Air Force: | | | | |
| Air Force Defense Research Sciences Program | 12.800 | Direct | 274,789 | 907,546 |
| Carnegie Mellon University | 12.800 | 1150141-357109 | — | 52,026 |
| Colorado School of Mines | 12.800 | 401890-5802 | — | 6,682 |
| University of Colorado | 12.800 | 1558048 | — | 295,763 |
| Subtotal 12.800 | | | 274,789 | 1,262,017 |

**UNIVERSITY OF PITTSBURGH OF THE
COMMONWEALTH SYSTEM OF HIGHER EDUCATION**

Schedule of Expenditures of Federal Awards

Year ended June 30, 2021

| Federal Grantor/Pass Through Grantor/Program Title | Federal Assistance Listing Number (ALN) | Direct Award or pass-through entity identifying number | Passed through to subrecipients | Federal expenditures |
|---|--|---|--|-----------------------------|
| Booz Allen Hamilton Inc. | 12.RD | FA807521F0013 | \$ — | 17,850 |
| Booz Allen Hamilton Inc. | 12.RD | S900447BAH | — | 457,478 |
| Figur8 Inc. | 12.RD | Subcontractor Agreem | — | 44,958 |
| Florida Institute for Human & Machine | 12.RD | 2019-29-01-SC5 | — | 180,210 |
| Subtotal 12.RD | | | — | 700,496 |
| Total Department of the Air Force | | | 274,789 | 1,962,513 |
| Department of the Army: | | | | |
| Military Medical Research and Development | 12.420 | Direct | 1,844,029 | 13,466,495 |
| Carnegie Mellon University | 12.420 | 1130264-436457 | — | 16,019 |
| Case Western Reserve University | 12.420 | RES512532 | — | 29,016 |
| Cedars-Sinai Medical Center | 12.420 | 0001621126 | — | 129,664 |
| Children's Hospital of Boston | 12.420 | GENFD0001693083 | — | 2,155 |
| Children's Hospital of Boston | 12.420 | W81XWH-17-1-0532 | — | 3,221 |
| Columbia University | 12.420 | 2(GG015772) | — | 28,470 |
| Cornell University | 12.420 | 89495-20165 | — | 35,077 |
| Georgia Institute of Technology | 12.420 | AWD-101450-G1 | — | 44,961 |
| Henry M. Jackson Foundation | 12.420 | 4312 | — | 141,417 |
| Joan & Sanford I. Weill Medical College of Cornell University | 12.420 | 210799 | — | 21,347 |
| Joan & Sanford I. Weill Medical College of Cornell University | 12.420 | 190230-04 | — | 1,451 |
| Johns Hopkins University | 12.420 | 2004481801 | — | 10,198 |
| Magee-Womens Research Institute & Foundation | 12.420 | 6821 | — | 18,092 |
| Magee-Womens Research Institute & Foundation | 12.420 | 6825 | — | 2,979 |
| Medstar Health Research Institute Inc | 12.420 | 5002154871 | — | 1,209 |
| Metis Foundation | 12.420 | S2-W81XWH-19-2-0038 | — | 290,222 |
| Mid-Atlantic Epilepsy & Sleep Center LLC | 12.420 | ADVANCE ACCOUNT | — | 16,716 |
| Ohio State University | 12.420 | 60065096 | — | 14,991 |
| Oregon Health & Science University | 12.420 | 1005470_UPITT | — | 72,965 |
| Oregon Health & Science University | 12.420 | 1008339_UPITT | — | 8,193 |
| Rogosin Institute Inc | 12.420 | OXBURGH-DOD-W81XWH02 | — | 21,136 |
| St. Joseph's Hospital and Medical Center | 12.420 | 32689PITT | — | 489,390 |
| Stanford University | 12.420 | 62348486-156530 | — | 39,693 |
| State University of New York | 12.420 | 100-1153985-84735 | — | 345,953 |
| TheraNova, LLC | 12.420 | CRD-01-1150 | — | 18,150 |
| University of Alabama | 12.420 | 000507860-006 | — | 9,129 |
| University of California at San Francisco | 12.420 | 10043sc | — | 188,727 |
| University of California at San Francisco | 12.420 | 11363sc | — | 50,105 |
| University of Cincinnati | 12.420 | 010376-002 | — | 23,778 |
| University of Colorado | 12.420 | FY18.576.003 | — | 11,324 |
| University of Colorado | 12.420 | FY20.891.012 | — | 6,024 |
| University of Colorado | 12.420 | FY21.1065.004 | — | 44,718 |
| University of Miami | 12.420 | SPC-001243 | — | 84,185 |
| University of Michigan | 12.420 | SUBK00003004 | — | 10,435 |
| University of New Mexico | 12.420 | 3RDE3 | — | 10,619 |
| University of Pennsylvania | 12.420 | 578015 | — | 47,414 |
| University of Pennsylvania | 12.420 | 578105 | — | 17,003 |
| University of Pennsylvania | 12.420 | 579892 | — | 50,424 |
| University of Texas Health Science Center at San Antonio | 12.420 | 169351/165493 | — | 21,909 |
| University of Virginia | 12.420 | GG12134.159875 | — | 125,635 |
| Wake Forest University | 12.420 | WUHS 441000B GU-00 | — | 154,679 |
| Wake Forest University | 12.420 | WUHS 441055 ER-05 | — | 28,974 |
| Wake Forest University | 12.420 | WUHS 441077 CF-07 | — | 28,986 |
| Wake Forest University | 12.420 | WUHS 441079 CF-09 | 7,207 | 18,320 |
| Wake Forest University | 12.420 | WUHS 441083 CF-13 | — | 3,007 |
| Washington University in St. Louis | 12.420 | WU-20-434-MOD-1 | — | 118,467 |
| Subtotal 12.420 | | | 1,851,236 | 16,323,042 |
| Basic Scientific Research | 12.431 | Direct | 1,201,739 | 1,812,783 |
| Carnegie Mellon University | 12.431 | 1130220-399314 | — | (714) |
| Princeton University | 12.431 | SUB00000081 | — | 91,646 |
| University of California at Santa Barbara | 12.431 | KK1714 | — | 144,313 |
| University of Massachusetts | 12.431 | 20-015174-A01 | — | 84,607 |
| University of Michigan | 12.431 | 3004628718 | — | 151,872 |
| Subtotal 12.431 | | | 1,201,739 | 2,284,507 |
| Carnegie Mellon University | 12.630 | 1130252-431573 | — | 29,826 |
| Carnegie Mellon University | 12.630 | 1130255-439764 | — | 39,293 |
| Subtotal 12.630 | | | — | 69,119 |

**UNIVERSITY OF PITTSBURGH OF THE
COMMONWEALTH SYSTEM OF HIGHER EDUCATION**

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Year ended June 30, 2021

| Federal Grantor/Pass Through Grantor/Program Title | Federal Assistance Listing Number (ALN) | Direct Award or pass-through entity identifying number | Passed through to subrecipients | Federal expenditures |
|--|--|---|--|-----------------------------|
| Research and Technology Development | 12.910 | Direct | \$ — | 528,640 |
| Other Department of the Army | 12.RD | Direct | 3,092,977 | 7,141,115 |
| Advanced Technology International | 12.RD | 2019-447-001 | — | 484,024 |
| Advanced Technology International | 12.RD | 2019-447-002 | 411,039 | 835,921 |
| Advanced Technology International | 12.RD | MTEC-20-10-COVID19-N | 299,086 | 347,651 |
| Arsenal Medical, Inc. | 12.RD | REVIVE | — | 25,768 |
| Brigham & Women's Hospital | 12.RD | 120070 | — | 106,437 |
| Carnegie Mellon University | 12.RD | 1990586-418139 | — | 186,810 |
| Charles River Analytics, Inc. | 12.RD | SC1915302 | — | 7,132 |
| Chromologic LLC | 12.RD | MSA-162000 | — | 21,390 |
| Concurrent Technologies Corporation | 12.RD | 200300004S | — | 79,179 |
| Guild Associates, Inc. | 12.RD | 40800619 | — | 72,180 |
| Humotech | 12.RD | H-WARE | — | 31,312 |
| ICON Government and Public Health Solutions Inc | 12.RD | 20-01 WORK ORDER 01 | — | 99,975 |
| Intelligent Automation, Inc. | 12.RD | 2423-3 | — | 10,956 |
| Intelligent Automation, Inc. | 12.RD | 2468-002-3 | — | 17,904 |
| Intelligent Automation, Inc. | 12.RD | 2545-1 | — | 70,598 |
| Johns Hopkins University | 12.RD | 2004207953 | — | 62,181 |
| Lifeware Labs LLC | 12.RD | SBIR PROJECT | — | 58,677 |
| Materials Sciences Corporation | 12.RD | 12530-SD45 | — | (1,915) |
| Materials Sciences Corporation | 12.RD | 14243-GG15-001 | — | 865,123 |
| Materials Sciences Corporation | 12.RD | 15949-GG15-001 | — | 49,972 |
| Rehat LLC | 12.RD | 2019-406-001 | — | 11,982 |
| Synedgen, Inc. | 12.RD | AWD00002229 | — | 115,197 |
| University of California at San Francisco | 12.RD | 11291SC | — | 101,105 |
| University of California at San Francisco | 12.RD | CS-2018-0009 | — | 63,622 |
| University of California at San Francisco | 12.RD | I-STAT TBI TEST | — | 68,059 |
| University of California at Santa Barbara | 12.RD | KK1815 | — | 36,317 |
| University of Cincinnati | 12.RD | 010580-002 | — | 17,823 |
| COVID-19 University of Louisville | 12.RD | ULRF_20-0876C-01 | — | 84,216 |
| Vivonics, Inc. | 12.RD | 2128-S008 | — | 1,996 |
| Wake Forest University | 12.RD | 283-120000-17930 | — | 32,147 |
| Subtotal 12.RD | | | 3,803,102 | 11,104,854 |
| Total Department of the Army | | | 6,856,077 | 30,310,162 |
| Department of the Navy: | | | | |
| Basic and Applied Scientific Research | 12.300 | Direct | — | 1,427,009 |
| Carnegie Mellon University | 12.300 | 1141300-422095 | — | (10,711) |
| Carnegie Mellon University | 12.300 | 1141302-436116 | — | 41,192 |
| Lehigh University | 12.300 | 543974-78001 | — | 62,160 |
| Subtotal 12.300 | | | — | 1,519,650 |
| Other Department of the Navy | 12.RD | Direct | 1,728,252 | 2,666,006 |
| Carnegie Mellon University | 12.RD | 1990581-417720 | — | 31,895 |
| Maxxen Group, LLC | 12.RD | N6833520C0420 | — | 84,400 |
| Mount Sinai School of Medicine | 12.RD | 0258-A061-4609 | — | 127,417 |
| Smart Information Flow Technologies SIFT | 12.RD | ISHIS2-UP1tt-01 | — | 29,553 |
| Subtotal 12.RD | | | 1,728,252 | 2,939,271 |
| Total Department of the Navy | | | 1,728,252 | 4,458,921 |
| Space and Naval Warfare Systems Command: | | | | |
| Battelle Memorial Institute | 12.RD | 743836/Line-Sch 1-1 | — | (3,237) |
| Total Space and Naval Warfare Systems Command | | | — | (3,237) |
| Uniformed Services University of the Health Sciences: | | | | |
| Uniformed Services University Medical Research Projects | 12.750 | Direct | 333,623 | 628,852 |
| Total Uniformed Services University of the Health Sciences | | | 333,623 | 628,852 |
| Other Department of Defense: | | | | |
| Case Western Reserve University | 12.420 | RES515469 | — | 59,577 |
| University of Kansas | 12.420 | AWD-0001930 | — | 9,748 |
| Subtotal 12.420 | | | — | 69,325 |
| Total Department of Defense | | | 11,986,507 | 45,445,716 |

**UNIVERSITY OF PITTSBURGH OF THE
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Year ended June 30, 2021

| Federal Grantor/Pass Through Grantor/Program Title | Federal Assistance Listing Number (ALN) | Direct Award or pass-through entity identifying number | Passed through to subrecipients | Federal expenditures |
|--|--|---|--|-----------------------------|
| Other Agencies: | | | | |
| Agency for International Development: | | | | |
| Other Agency for International Development | 98.RD | Direct | \$ 416,555 | 1,017,772 |
| RTI International | 98.RD | 3-312-0214177-51820L | — | 21,252 |
| University Research Co., LLC | 98.RD | FY19-A01-6024 | — | 598,188 |
| Subtotal 98.RD | | | 416,555 | 1,637,212 |
| Total Agency for International Development | | | 416,555 | 1,637,212 |
| Department of Agriculture: | | | | |
| U.S. Civilian Research & Development Foundation | 10.001 | DAA3-19-65333-1 | — | 20,321 |
| U.S. Civilian Research & Development Foundation | 10.001 | DAA3-19-65600-1 | — | 24,380 |
| Subtotal 10.001 | | | — | 44,701 |
| Agriculture and Food Research Initiative | 10.310 | Direct | — | 23,491 |
| National Fish and Wildlife Foundation | 10.683 | 0407.20.070153 | — | 2,870 |
| Indiana University of PA | 10.902 | Larkin 1718-118.001 | — | 15,515 |
| Total Department of Agriculture | | | — | 86,577 |
| Department of Education: | | | | |
| International Research and Studies | 84.017A | Direct | — | 54,052 |
| Propel Schools | 84.287C | 4100078108 | — | 29,977 |
| Education Research, Development and Dissemination | 84.305A | Direct | 52,711 | 121,577 |
| Purdue University | 84.305A | 19100064-008 | — | 117,951 |
| Temple University | 84.305A | 259589-PITT | — | 27,805 |
| University of Oregon | 84.305A | 224810B | — | 39,046 |
| University of Chicago | 84.305D | SUB00000436 | — | 16,903 |
| Subtotal 84.305 | | | 52,711 | 323,282 |
| Total Department of Education | | | 52,711 | 407,311 |
| Department of Energy: | | | | |
| Office of Science Financial Assistance Program | 81.049 | Direct | 365,179 | 2,503,909 |
| Carnegie Mellon University | 81.049 | 1070249-425478 | — | 111,416 |
| Central Michigan University | 81.049 | F63460 | — | 62,004 |
| Electroninks Inc. | 81.049 | DE-SC0018783 | — | 136,022 |
| Harvard University | 81.049 | 124254-5115596 | — | 94,890 |
| Harvard University | 81.049 | 167974-5106940 | — | (703) |
| Luna Innovations Incorporated | 81.049 | 3495.02/PITT | — | 23,570 |
| Northwestern University | 81.049 | SP0027267PROJ0007139 | — | 117,759 |
| Research Foundation - State University of New York | 81.049 | 86736/2/1158349 | — | 3,399 |
| Research Foundation - State University of New York | 81.049 | XXX417210XXX | — | 1,983 |
| University of Minnesota | 81.049 | A007230201 | — | 212,621 |
| Subtotal 81.049 | | | 365,179 | 3,266,870 |
| Conservation Research and Development | 81.086 | Direct | — | 312,720 |
| University of Tennessee | 81.086 | A21-0468-002 | — | 15,085 |
| University of Texas at San Antonio | 81.086 | 1000003903 | — | 1,564 |
| Subtotal 81.086 | | | — | 329,369 |
| Giner, Inc. | 81.087 | Membrane Fuel Cells | — | 3,806 |
| Rapid Advancement Process Intensification Deployment Manufacturing Institute | 81.087 | 05.8 | — | 475,237 |
| Rapid Advancement Process Intensification Deployment Manufacturing Institute | 81.087 | 06-7 | — | 125,051 |
| Rapid Advancement Process Intensification Deployment Manufacturing Institute | 81.087 | 10-7 | — | 137,411 |
| Texas A&M University | 81.087 | M2001202 | — | 175,128 |
| Subtotal 81.087 | | | — | 916,633 |
| Fossil Energy Research and Development | 81.089 | Direct | 112,732 | 709,937 |
| Gas Technology Institute | 81.089 | AGREEMENT NO. S876 | — | 69,155 |
| Oklahoma State University | 81.089 | 1-578930-PITT | — | 138,992 |
| Pennsylvania State University | 81.089 | 5955-UP-DOE-6825 | — | (6,333) |
| Pennsylvania State University | 81.089 | 5957-UP-DOE-6825 | — | 107,741 |
| Pennsylvania State University | 81.089 | 5987-UP-DOE-6825 | — | 82,969 |
| Pennsylvania State University | 81.089 | S000661-DOE | — | 135,922 |
| Pennsylvania State University | 81.089 | S001341-USDOE | — | 59,858 |
| West Virginia University | 81.089 | 18-971-UP | — | 65,133 |
| Subtotal 81.089 | | | 112,732 | 1,363,374 |

**UNIVERSITY OF PITTSBURGH OF THE
COMMONWEALTH SYSTEM OF HIGHER EDUCATION**

Schedule of Expenditures of Federal Awards

Year ended June 30, 2021

| Federal Grantor/Pass Through Grantor/Program Title | Federal Assistance Listing Number (ALN) | Direct Award or pass-through entity identifying number | Passed through to subrecipients | Federal expenditures |
|--|--|---|--|-----------------------------|
| Nuclear Energy Research, Development and Demonstration | 81.121 | Direct | \$ 147,913 | 1,078,602 |
| Research Foundation for The City University of New York | 81.121 | CM00004019 | — | 61,191 |
| University of Houston | 81.121 | R-19-0010 | — | 79,790 |
| Utah State University | 81.121 | 200658-604 | — | 175,605 |
| Subtotal 81.121 | | | 147,913 | 1,395,188 |
| Advanced Research Projects Agency - Energy | 81.135 | Direct | 77,829 | 387,333 |
| University of Maryland | 81.135 | 94436-Z7121201 | — | 64,553 |
| Westinghouse Electric Company, LLC | 81.135 | 4500784107 | — | 446,124 |
| Westinghouse Electric Company, LLC | 81.135 | 4500801895 | — | 186,597 |
| Subtotal 81.135 | | | 77,829 | 1,084,607 |
| Other Department of Energy | 81.RD | Direct | — | 1,563 |
| Battelle Energy Alliance, LLC | 81.RD | 206932 | — | 93,292 |
| Battelle Energy Alliance, LLC | 81.RD | 0207637 | 93,838 | 93,838 |
| Battelle Energy Alliance, LLC | 81.RD | 0207637 | — | (11,424) |
| Battelle Energy Alliance, LLC | 81.RD | 211001 | — | 31,401 |
| Battelle Energy Alliance, LLC | 81.RD | 213209 | — | 63,521 |
| Battelle Energy Alliance, LLC | 81.RD | 215245 | — | (28,523) |
| Battelle Energy Alliance, LLC | 81.RD | 226706 | — | 10,163 |
| Battelle Energy Alliance, LLC | 81.RD | 229773 | — | 66,132 |
| Battelle Energy Alliance, LLC | 81.RD | 232594 | — | 76,664 |
| Battelle Memorial Institute | 81.RD | 455499 | — | 17,441 |
| Battelle Memorial Institute | 81.RD | 734574 | — | 63,235 |
| Brookhaven Science Associates, LLC | 81.RD | 359437 | — | 124,005 |
| Brookhaven Science Associates, LLC | 81.RD | 382354 | — | 1,822 |
| Brookhaven Science Associates, LLC | 81.RD | 391074 | — | 32,497 |
| Fermi Research Alliance, LLC | 81.RD | 670048 | — | 17,787 |
| Fluor Marine Propulsion, LLC | 81.RD | 128753 | — | 95,090 |
| KeyLogic Systems, Inc. | 81.RD | 5000-017 | — | (17,105) |
| Lawrence Livermore National Security, LLC | 81.RD | B643144 | — | 42,631 |
| Leidos Biomedical Research, Inc. | 81.RD | P010220918 TASK 10 | — | 10,490 |
| Leidos Biomedical Research, Inc. | 81.RD | P010220918 TASK 11 | — | 3,383 |
| Leidos Biomedical Research, Inc. | 81.RD | P010220918 TASK 12 | — | 184,131 |
| Leidos Biomedical Research, Inc. | 81.RD | P010220918 TASK 17 | — | 28,001 |
| Leidos Biomedical Research, Inc. | 81.RD | P010220918 TASK 18 | — | 119,745 |
| Leidos Biomedical Research, Inc. | 81.RD | P010220918 TASK 20 | — | 102,209 |
| Leidos Biomedical Research, Inc. | 81.RD | P010220918 TASK 21 | — | 92,261 |
| Leidos Biomedical Research, Inc. | 81.RD | P010220918 TASK 22 | — | 3,221 |
| Leidos Biomedical Research, Inc. | 81.RD | P010220918 TASK 25 | — | 43,929 |
| Leidos Biomedical Research, Inc. | 81.RD | P010220918 TASK 26 | — | 35,835 |
| Leidos Biomedical Research, Inc. | 81.RD | P010220918 TASK 27 | — | 15,707 |
| Leidos Biomedical Research, Inc. | 81.RD | P010220918 TASK 28 | — | 8,531 |
| Leidos Biomedical Research, Inc. | 81.RD | P010220918 TASK 3 | — | 52,985 |
| Leidos Biomedical Research, Inc. | 81.RD | P010220918 TASK 4 | — | 3,719 |
| Leidos Biomedical Research, Inc. | 81.RD | P010220918 TASK 5 | — | 35,757 |
| Leidos Biomedical Research, Inc. | 81.RD | P010220918 TASK 6 | — | 7,499 |
| Leidos Biomedical Research, Inc. | 81.RD | P010220918 TASK 8 | — | 3,787 |
| Los Alamos National Security, LLC | 81.RD | 614709 | — | 79,929 |
| Pennsylvania State University | 81.RD | S000652-DOE | — | 72,575 |
| REMADE Institute | 81.RD | SA-19-05 | 1,020 | 1,020 |
| Rochester Institute of Technology | 81.RD | 32220-02 | — | 51,867 |
| Sandia Corporation, a subsidiary of Lockheed Martin | 81.RD | 2084579 | — | 69,323 |
| Sandia Corporation, a subsidiary of Lockheed Martin | 81.RD | 2216246 | — | 39,731 |
| Stanford University | 81.RD | 199859 | — | 28,944 |
| Triad National Security, LLC | 81.RD | 439301 | — | 22,242 |
| UChicago Argonne, LLC | 81.RD | 9F-60178 | — | 36,015 |
| UChicago Argonne, LLC | 81.RD | 9F-60287 | — | 63,716 |
| University of New Mexico | 81.RD | 327093-874E | — | 54,020 |
| Subtotal 81.RD | | | 94,858 | 2,044,602 |
| Total Department of Energy | | | 798,511 | 10,400,643 |
| Department of the Interior: | | | | |
| Science and Technology Projects Related to Coal Mining and Reclamation | 15.255 | Direct | 1,375 | 43,163 |
| U.S. Geological Survey Research and Data Collection | 15.808 | Direct | — | 25,159 |
| Total Department of the Interior | | | 1,375 | 68,322 |
| Department of Justice: | | | | |
| National Institute of Justice Research, Evaluation, and Development Project Grants | 16.560 | Direct | 1,191,616 | 1,740,921 |
| Pennsylvania Commission on Crime and Delinquency | 16.838 | 2019-CO-01-32713 | — | 238,150 |
| Total Department of Justice | | | 1,191,616 | 1,979,071 |

**UNIVERSITY OF PITTSBURGH OF THE
COMMONWEALTH SYSTEM OF HIGHER EDUCATION**

Schedule of Expenditures of Federal Awards

Year ended June 30, 2021

| Federal Grantor/Pass Through Grantor/Program Title | Federal Assistance Listing Number (ALN) | Direct Award or pass-through entity identifying number | Passed through to subrecipients | Federal expenditures |
|---|--|---|--|-----------------------------|
| Department of Labor: | | | | |
| Vermont Department of Labor | 17.720 | 1947RTN02 | \$ — | 127,611 |
| Total Department of Labor | | | — | 127,611 |
| Department of Transportation: | | | | |
| National Academy of Sciences | 20.200 | HR 01-58 | — | 15,112 |
| University of Cincinnati | 20.200 | 010507-003 | — | 3,877 |
| Subtotal 20.200 | | | — | 18,989 |
| Commonwealth of Pennsylvania | 20.205 | 4400018535/ WO 003 | — | 131,186 |
| Commonwealth of Pennsylvania | 20.205 | 4400018535/ WO 02 | — | 99,885 |
| Commonwealth of Pennsylvania | 20.205 | 4400018535/ WO 020 | — | 45,358 |
| Commonwealth of Pennsylvania | 20.205 | 4400018535/WO 01 | — | 197,192 |
| Commonwealth of Pennsylvania | 20.205 | 4400018535/WO 016 | — | 69,958 |
| Commonwealth of Pennsylvania | 20.205 | 4400018535/WO 018 | — | 19,282 |
| Commonwealth of Pennsylvania | 20.205 | 4400018535/WO 019 | — | 225,939 |
| Subtotal 20.205 | | | — | 788,800 |
| American College of Emergency Physicians | 20.614 | ACEE 1 | — | 128,496 |
| University Transportation Centers Program | 20.701 | Direct | — | 365,356 |
| Federal Railroad Administration | 20.RD | Direct | 81,188 | 188,531 |
| Minnesota Department of Transportation | 20.RD | 1003327 WORK ORDER 3 | — | 51,166 |
| National Association of EMS | 20.RD | SUB-DTNH2215C00029 | — | 122,224 |
| Subtotal 20.RD | | | 81,188 | 361,921 |
| Total Department of Transportation | | | 81,188 | 1,663,562 |
| Department of the Treasury: | | | | |
| COVID-19 Commonwealth of Pennsylvania | 21.019 | C000074548 | — | 557,287 |
| Commonwealth of Pennsylvania | 21.019 | C000074809 | — | 976,926 |
| Subtotal 21.019 | | | — | 1,534,213 |
| Total Department of the Treasury | | | — | 1,534,213 |
| Department of Veterans Affairs: | | | | |
| Other Department of Veterans Affairs | 64.RD | Direct | 20,102 | 5,910,467 |
| Apptive HTG LLC | 64.RD | IHT-Pitt-2020-0001 | — | 7,006 |
| Subtotal 64.RD | | | 20,102 | 5,917,473 |
| Total Department of Veterans Affairs | | | 20,102 | 5,917,473 |
| Environmental Protection Agency: | | | | |
| Oregon State University | 66.511 | E0199A-B | — | 84,191 |
| Total Environmental Protection Agency | | | — | 84,191 |
| Institute of Museum and Library Services: | | | | |
| National Leadership Grants | 45.312 | Direct | — | 109,123 |
| Laura Bush 21st Century Librarian Program | 45.313 | Direct | — | 42,182 |
| Total Institute of Museum and Library Services | | | — | 151,305 |
| National Aeronautics and Space Administration: | | | | |
| Science: | | | | |
| 80NSSC17K0445 | 43.001 | Direct | — | 9,717 |
| 80NSSC17K0460 | 43.001 | Direct | — | 2,230 |
| 80NSSC17K0388 | 43.001 | Direct | — | 17,273 |
| 80NSSC18K1001 | 43.001 | Direct | 6,659 | 185,701 |
| 80NSSC19K0547 | 43.001 | Direct | 19,197 | 105,618 |
| 80NSSC19K0588 | 43.001 | Direct | — | 143,110 |
| 80NSSC20K0524 | 43.001 | Direct | — | 80,298 |
| 80NSSC20K1336 | 43.001 | Direct | — | 69,584 |
| 80NSSC21K0840 | 43.001 | Direct | — | 11,358 |
| Arizona State University | 43.001 | 09-193 | — | 65,910 |
| California Institute of Technology | 43.001 | 1643488 | — | 148,014 |
| California Institute of Technology | 43.001 | 1656898 | — | 5,050 |
| California Institute of Technology | 43.001 | 1662239 | — | 22,856 |
| Carnegie Mellon University | 43.001 | 1110234-424012 | — | 112,277 |
| Georgia Institute of Technology | 43.001 | AWD-101311-G2 | — | 9,060 |
| Lowell Observatory | 43.001 | 2018-81420-UP | — | 18,812 |
| Smithsonian Astrophysical Observatory | 43.001 | TM0-21004X | — | 35,249 |

**UNIVERSITY OF PITTSBURGH OF THE
COMMONWEALTH SYSTEM OF HIGHER EDUCATION**

Schedule of Expenditures of Federal Awards

Year ended June 30, 2021

| Federal Grantor/Pass Through Grantor/Program Title | Federal Assistance Listing Number (ALN) | Direct Award or pass-through entity identifying number | Passed through to subrecipients | Federal expenditures |
|---|--|---|--|-----------------------------|
| Smithsonian Astrophysical Observatory | 43.001 | TM1-22004X | \$ — | 12,929 |
| University of Chicago | 43.001 | AWD101790SUB00000474 | — | 31,425 |
| Subtotal 43.001 | | | 25,856 | 1,086,471 |
| Aeronautics | 43.002 | Direct | — | 207,634 |
| RevBio Inc | 43.007 | BONE REGENERATION | — | 16,989 |
| University of Arizona | 43.007 | 545020 | — | 66,969 |
| Subtotal 43.007 | | | — | 83,958 |
| Pennsylvania Space Grant Consortium | 43.008 | S000978-NASA | — | 25,027 |
| Pennsylvania State University | 43.008 | 5240-UP-NASA-K06H | — | 2,579 |
| Pennsylvania State University | 43.008 | S000208-NASA | — | 9,600 |
| Subtotal 43.008 | | | — | 37,206 |
| Space Technology | 43.012 | Direct | — | 120,021 |
| Vanderbilt University | 43.012 | UNIV61194 | — | 10,352 |
| Subtotal 43.012 | | | — | 130,373 |
| Association of Universities for Research in Astronomy, Inc. | 43.RD | HST-AR-16131.001-A | — | 14,497 |
| Association of Universities for Research in Astronomy, Inc. | 43.RD | HST-GO-14683.002-A | — | 3,761 |
| Association of Universities for Research in Astronomy, Inc. | 43.RD | HST-GO-15957.001-A | — | 9,223 |
| Center for the Advancement of Science in Space | 43.RD | GA-2019-906 | — | 156,760 |
| Emergent Space Technologies, Inc. | 43.RD | UNPIT001 | — | 32,810 |
| QuesTek Innovations LLC | 43.RD | 1918 | — | 105,822 |
| Space Telescope Science Institute | 43.RD | HST-GO-16287.002-A | — | 8,619 |
| Wyle Laboratories, Inc. | 43.RD | T804051 | — | 72,784 |
| Subtotal 43.RD | | | — | 404,276 |
| Total National Aeronautics and Space Administration | | | 25,856 | 1,949,918 |
| National Endowment for the Humanities: | | | | |
| Promotion of the Humanities Division of Preservation and Access | 45.149 | Direct | — | 15,391 |
| Total National Endowment for the Humanities | | | — | 15,391 |
| National Science Foundation: | | | | |
| Engineering | 47.041 | Direct | 202,487 | 4,748,122 |
| AnkyrBio LLC | 47.041 | PITT-001 | — | 46,121 |
| North Carolina A & T State University | 47.041 | 260116A | — | 69,309 |
| Northwestern University | 47.041 | 60053758 PBH | — | 152,984 |
| Thermaquil, Inc. | 47.041 | 1913403 | — | (31) |
| University of Tennessee | 47.041 | A17-1367-S001 | — | 32,066 |
| Virginia Tech University | 47.041 | 479852-19442 | — | 107,971 |
| Subtotal 47.041 | | | 202,487 | 5,156,542 |
| Mathematical and Physical Sciences | 47.049 | Direct | 185,127 | 5,946,927 |
| Columbia University | 47.049 | 28(GG016228) | — | 112,397 |
| Florida Gulf Coast University | 47.049 | 20028-UP-001 | — | 55,134 |
| Pennsylvania State University | 47.049 | S001119-NSF | — | 28,203 |
| Research Foundation - State University of New York | 47.049 | 76749/1136652/2 | — | 286,217 |
| University of California at Santa Barbara | 47.049 | KK2025 | — | 78,165 |
| University of Colorado | 47.049 | 1559794 | — | 24,170 |
| University of Southern California | 47.049 | 144435959 | — | 39,086 |
| University of Texas at Austin | 47.049 | UTA20-000776 | — | 25,567 |
| Subtotal 47.049 | | | 185,127 | 6,595,866 |
| Geosciences | 47.050 | Direct | — | 879,393 |
| Computer and Information Science and Engineering | 47.070 | Direct | 48,886 | 5,032,456 |
| COVID-19 Computer and Information Science and Engineering | 47.070 | Direct | — | 305,294 |
| Carnegie Mellon University | 47.070 | 1122586-417119 | — | 22,849 |
| Digital Promise Global | 47.070 | 1668 | — | 27,366 |
| Duke University | 47.070 | 333-2739 | — | 15,389 |
| Rensselaer Polytechnic Institute | 47.070 | A14-0011-S008 | — | 19,682 |
| Research Foundation - State University of New York | 47.070 | R1146532 | — | 23,180 |
| University of Tennessee | 47.070 | A16-1316-S001-A01 | — | 19,915 |
| University of Utah | 47.070 | 10047390-UPITT | — | 35,884 |
| Virginia Tech University | 47.070 | 480388-19442 | — | 25,000 |
| Subtotal 47.070 | | | 48,886 | 5,527,015 |

**UNIVERSITY OF PITTSBURGH OF THE
COMMONWEALTH SYSTEM OF HIGHER EDUCATION**

Schedule of Expenditures of Federal Awards

Year ended June 30, 2021

| Federal Grantor/Pass Through Grantor/Program Title | Federal Assistance Listing Number (ALN) | Direct Award or pass-through entity identifying number | Passed through to subrecipients | Federal expenditures |
|---|--|---|--|-----------------------------|
| Biological Sciences | 47.074 | Direct | \$ — | 1,909,089 |
| Baylor University | 47.074 | 32050279-01 | — | 27,574 |
| Carnegie Mellon University | 47.074 | 1122469-369793 | — | 35,019 |
| University of Colorado | 47.074 | 1559634 | — | 69,508 |
| University of Dayton | 47.074 | RSC16079 | — | 11,375 |
| University of Florida | 47.074 | SUB00002000 | — | 220,349 |
| Yale University | 47.074 | GR110628CON-80002605 | — | 137,576 |
| Subtotal 47.074 | | | — | 2,410,490 |
| Social, Behavioral, and Economic Sciences | 47.075 | Direct | 2,341 | 1,465,590 |
| COVID-19 Social, Behavioral, and Economic Sciences | 47.075 | Direct | — | 8,195 |
| Carnegie Mellon University | 47.075 | 1122300-352752 | — | 6,131 |
| Johns Hopkins University | 47.075 | 2004917835 | — | 19,006 |
| National Bureau of Economic Research | 47.075 | 36353.00.00.00.7700 | — | 59,461 |
| Villanova University | 47.075 | 525919Pitt | — | 5,277 |
| Subtotal 47.075 | | | 2,341 | 1,563,660 |
| Education and Human Resources | 47.076 | Direct | 427,539 | 4,990,761 |
| Community College of Allegheny County | 47.076 | 1400575-Pitt | — | 40,807 |
| University of Michigan | 47.076 | SUBK00010602 | — | 36,038 |
| University of South Florida | 47.076 | 2105-1164-00C | — | 15,467 |
| University of Wisconsin | 47.076 | 847K383 | — | 28,445 |
| Subtotal 47.076 | | | 427,539 | 5,111,518 |
| Office of International Science and Engineering | 47.079 | Direct | 395,201 | 868,641 |
| Integrative Activities | 47.083 | Direct | — | 410,426 |
| Carnegie Mellon University | 47.083 | 1122752-429853 | — | 50,180 |
| Duke University | 47.083 | 333-2709 | — | 41,689 |
| Vanderbilt University | 47.083 | UNIV61817 | — | 100,959 |
| Subtotal 47.083 | | | — | 603,254 |
| Other National Science Foundation | 47.RD | Direct | — | 1,090,387 |
| Total National Science Foundation | | | 1,261,581 | 29,806,766 |
| Nuclear Regulatory Commission: U.S. Nuclear Regulatory Commission Scholarship and Fellowship Program | 77.008 | Direct | — | 127,970 |
| Total Nuclear Regulatory Commission | | | — | 127,970 |
| Total Other Agencies | | | 3,849,495 | 55,957,536 |
| Total Research and Development Cluster | | | 94,976,788 | 731,395,117 |
| II. Student Financial Assistance Cluster: | | | | |
| Department of Education: | | | | |
| Federal Supplemental Educational Opportunity Grants | 84.007 | Direct | — | 1,314,153 |
| Federal Work-Study Program | 84.033 | Direct | — | 2,108,460 |
| Federal Pell Grant Program | 84.063 | Direct | — | 23,960,639 |
| Federal Perkins Loan Program | 84.038 | Direct | — | 15,617,392 |
| Direct Student Loans Program | 84.268 | Direct | — | 214,650,955 |
| Total Department of Education | | | — | 257,651,599 |
| Health Resources and Services Administration: | | | | |
| Nursing Faculty Loan Program | 93.264 | Direct | — | 590,031 |
| Health Professions Student Loans: | | | | |
| Medicine | 93.342 | Direct | — | 84,989 |
| Dentistry | 93.342 | Direct | — | 5,548,898 |
| Pharmacy | 93.342 | Direct | — | 1,632,039 |
| Subtotal 93.342 | | | — | 7,265,926 |
| Loans for Disadvantaged Students: | | | | |
| Dentistry | 93.342 | Direct | — | 106,728 |
| Medicine | 93.342 | Direct | — | 72,709 |
| Subtotal 93.342 | | | — | 179,437 |

**UNIVERSITY OF PITTSBURGH OF THE
COMMONWEALTH SYSTEM OF HIGHER EDUCATION**

Schedule of Expenditures of Federal Awards

Year ended June 30, 2021

| Federal Grantor/Pass Through Grantor/Program Title | Federal Assistance Listing Number (ALN) | Direct Award or pass-through entity identifying number | Passed through to subrecipients | Federal expenditures |
|---|--|---|--|-----------------------------|
| Nursing Student Loans: Baccalaureate | 93.364 | Direct | \$ — | 1,804,625 |
| Nursing Faculty Loan Program - ARRA | 93.408 | Direct | — | 55,727 |
| Total Health Resources and Services Administration | | | — | 9,895,746 |
| Total Student Financial Assistance Cluster | | | — | 267,547,345 |
| III. Trio Cluster: | | | | |
| Department of Education: | | | | |
| TRIO - Student Support Services | 84.042A | Direct | — | 691,689 |
| Total Department of Education | | | — | 691,689 |
| Total Trio Cluster | | | — | 691,689 |
| IV. Head Start Cluster: | | | | |
| Administration for Children and Families: | | | | |
| Head Start | 93.600 | Direct | 3,321,927 | 4,408,958 |
| COVID-19 Head Start | 93.600 | Direct | 198,543 | 198,543 |
| Subtotal 93.600 | | | 3,520,470 | 4,607,501 |
| Total Administration for Children and Families | | | 3,520,470 | 4,607,501 |
| Total Head Start Cluster | | | 3,520,470 | 4,607,501 |
| V. Other Programs: | | | | |
| Department of Health and Human Services: | | | | |
| Administration for Children and Families: | | | | |
| Commonwealth of Pennsylvania | 93.643 | 4100081112 | — | 61,899 |
| Research Foundation - State University of New York | 93.648 | 8-86154 | — | 55,324 |
| Research Foundation - State University of New York | 93.648 | 8-89268 | — | 101,179 |
| Subtotal 93.648 | | | — | 156,503 |
| Commonwealth of Pennsylvania | 93.658 | 4100081112 | — | 11,342,205 |
| Commonwealth of Pennsylvania | 93.658 | 4100083214 | — | 10,156,731 |
| Subtotal 93.658 | | | — | 21,498,936 |
| Commonwealth of Pennsylvania | 93.669 | 4100081112 | — | 107,472 |
| Commonwealth of Pennsylvania | 93.674 | 4100081112 | — | 546,100 |
| Total Administration for Children and Families | | | — | 22,370,910 |
| Administration for Community Living: | | | | |
| ACL National Institute on Disability, Independent Living, and Rehabilitation Research | 93.433 | Direct | 21,453 | 76,787 |
| Total Administration for Community Living | | | 21,453 | 76,787 |
| Centers for Disease Control and Prevention: | | | | |
| Injury Prevention and Control Research and State and Community Based Programs | 93.136 | Direct | 74,880 | 788,027 |
| Gateway Health Plan | 93.136 | 1001 | — | 54,043 |
| University of Pittsburgh Medical Center (UPMC) | 93.136 | 01 | — | 76,918 |
| Subtotal 93.136 | | | 74,880 | 918,988 |
| Pennsylvania Pharmacists Association | 93.426 | 4100082224-1815 | — | 29,019 |
| Commonwealth of Pennsylvania | 93.439 | 4100081647 | 154,447 | 258,822 |
| Commonwealth of Pennsylvania | 93.940 | 4100081987 | — | 149,795 |
| Commonwealth of Pennsylvania | 93.977 | 4300645528 | — | 1,508,713 |
| Total Centers for Disease Control and Prevention | | | 229,327 | 2,865,337 |
| Health Resources and Services Administration: | | | | |
| Training in General, Pediatric, and Public Health Dentistry | 93.059 | Direct | — | 367,126 |
| Maternal & Child Health Federal Consolidated Programs | 93.110 | Direct | — | 587,672 |
| Nurse Anesthetist Traineeships | 93.124 | Direct | — | 67,374 |
| Public Health Training Centers Program | 93.516 | Direct | 233,876 | 931,467 |
| Cicatelli Associates Inc | 93.686 | 060120-1 | — | 19,988 |
| Mental and Behavioral Health Education and Training Grants | 93.732 | Direct | — | 781,439 |
| Chatham University | 93.732 | BHWET 01 | — | 13,005 |
| Subtotal 93.732 | | | — | 794,444 |

**UNIVERSITY OF PITTSBURGH OF THE
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Year ended June 30, 2021

| Federal Grantor/Pass Through Grantor/Program Title | Federal Assistance Listing Number (ALN) | Direct Award or pass-through entity identifying number | Passed through to subrecipients | Federal expenditures |
|--|--|---|--|-----------------------------|
| Grants for Primary Care Training and Enhancement | 93.884 | Direct | \$ — | 14,296 |
| Rural Health Care Services Outreach, Rural Health Network Development and Small Health Care Provider Quality Improvement | 93.912 | Direct | 32,700 | 344,438 |
| COVID-19 HIV Emergency Relief Project Grants | 93.914 | Direct | 187,425 | 232,402 |
| PPHF Geriatric Education Centers | 93.969 | Direct | — | 10,519 |
| Total Health Resources and Services Administration | | | 454,001 | 3,369,726 |
| Substance Abuse and Mental Health Services Administration: Commonwealth of Pennsylvania | 93.104 | 4100078411 | — | 773,056 |
| Substance Abuse and Mental Health Services Projects of Regional and National Significance | 93.243 | Direct | 95,832 | 1,484,292 |
| Allegheny County | 93.243 | 236665 | — | 12,120 |
| Allegheny Singer Research Institute | 93.243 | 49248309 | — | 13,926 |
| Allegheny Singer Research Institute | 93.243 | 49249209 | — | 45,164 |
| Blair County Drug and Alcohol Program, Inc. | 93.243 | 1001 | 2,869 | 229,635 |
| Commonwealth of Pennsylvania | 93.243 | 4300600269 | — | (433) |
| Commonwealth of Pennsylvania | 93.243 | 4300637503 | — | 140,823 |
| Commonwealth of Pennsylvania | 93.243 | 4400018535 | 620 | 447,009 |
| Community Human Services Corporation | 93.243 | 2525304 | — | 17,451 |
| Community Human Services Corporation | 93.243 | ADVANCE ACCOUNT | — | 26,238 |
| Jefferson County Metro Government | 93.243 | RECAST | — | 11,465 |
| Nova Southeastern University | 93.243 | 331899 | — | 11,509 |
| One Care of Southwest Virginia, Inc. | 93.243 | STIGMA EDUCATION | — | 23,191 |
| University of Utah | 93.243 | 10041723-PITT | — | 28,980 |
| Ursuline College | 93.243 | 1001 | — | 65,385 |
| Subtotal 93.243 | | | 99,321 | 2,556,755 |
| Pennsylvania State University | 93.788 | 6007-UP-SAMHSA-1889 | — | 1,629 |
| Cambria County | 93.959 | SBIRT | — | 2,295 |
| Commonwealth of Pennsylvania | 93.UNK | 4300677703 | — | 406,189 |
| Total Substance Abuse and Mental Health Services Administration | | | 99,321 | 3,739,924 |
| Other Department of Health and Human Services: District of Columbia | 93.817 | CW61684 | — | (1,621) |
| Total Other Department of Health and Human Services | | | — | (1,621) |
| Total Department of Health and Human Services | | | 804,102 | 32,421,063 |
| Department of Defense: Defense Health Agency: | 12.UNK | Direct | — | 89,005 |
| Total Defense Health Agency | | | — | 89,005 |
| Department of the Air Force: | 12.UNK | Direct | — | 438,320 |
| Total Department of the Air Force | | | — | 438,320 |
| Department of the Army: | 12.UNK | Direct | — | 226,024 |
| Total Department of the Army | | | — | 226,024 |
| Department of the Navy: University of California at Los Angeles | 12.UNK | 2000 P UG248 | — | 61,050 |
| Total Department of the Navy | | | — | 61,050 |
| National Security Agency: Language Grant Program | 12.900 | Direct | — | 15,492 |
| Total National Security Agency | | | — | 15,492 |
| Department of Defense Other: Institute of International Education | 12.357 | PGO1801PITT20PGO051P | — | 404,970 |
| Total Department of Defense Other | | | — | 404,970 |
| Total Department of Defense | | | — | 1,234,861 |
| Other Agencies: Appalachian Regional Commission: Innovation Works | 23.002 | ARC POWER | — | 52,475 |
| Total Appalachian Regional Commission | | | — | 52,475 |

**UNIVERSITY OF PITTSBURGH OF THE
COMMONWEALTH SYSTEM OF HIGHER EDUCATION**

Schedule of Expenditures of Federal Awards

Year ended June 30, 2021

| Federal Grantor/Pass Through Grantor/Program Title | Federal Assistance Listing Number (ALN) | Direct Award or pass-through entity identifying number | Passed through to subrecipients | Federal expenditures |
|--|--|---|--|-----------------------------|
| Corporation for National and Community Services: | | | | |
| Jumpstart for Young Children, Inc. | 94.006 | JS-SITE #291 | \$ — | 218,497 |
| National Service and Civic Engagement Research Competition | 94.026 | Direct | 35,959 | 91,290 |
| Total Corporation for National and Community Services | | | 35,959 | 309,787 |
| Department of Commerce: | | | | |
| Catalyst Connection | 11.307 | PO00003070 | — | 194 |
| Total Department of Commerce | | | — | 194 |
| Department of Education: | | | | |
| National Resource Centers Program for Foreign Language and Area Studies or Foreign Language and International Studies Program and Foreign Language and Area Studies Fellowship Program | 84.015A | Direct | — | 644,241 |
| National Resource Centers Program for Foreign Language and Area Studies or Foreign Language and International Studies Program and Foreign Language and Area Studies Fellowship Program | 84.015B | Direct | — | 665,158 |
| Subtotal 84.015 | | | — | 1,309,399 |
| Undergraduate International Studies and Foreign Language Programs | 84.016A | Direct | — | 13,368 |
| Higher Education Institutional Aid | 84.031A | Direct | — | 461,980 |
| Commonwealth of Pennsylvania | 84.126A | 4000007735 | — | 752,931 |
| Graduate Assistance in Areas of National Need | 84.200A | Direct | — | 218,867 |
| Homewood Children's Village | 84.215J | HCV/PACS | — | 22,131 |
| Pennsylvania State University | 84.229A | 6023-UP-USDE-0009 | — | 31,834 |
| Special Education - Personnel Development to Improve Services and Results for Children with Disabilities | 84.325D | Direct | — | 210,880 |
| Special Education - Personnel Development to Improve Services and Results for Children with Disabilities | 84.325K | Direct | — | 556,019 |
| Salus University | 84.325H | PITT 86405 19-20 | — | 1,945 |
| Subtotal 84.325 | | | — | 768,844 |
| National Writing Project | 84.367D | 92-PA09-2019SEED-AI | — | 1,356 |
| National Writing Project | 84.367D | 92-PA09-SEED2019 | — | 12,608 |
| Subtotal 84.367 | | | — | 13,964 |
| COVID-19 Commonwealth of Pennsylvania | 84.425C | 4100087669 | — | 1,066,061 |
| COVID-19 Education Stabilization Fund | 84.425E | Direct | — | 10,632,670 |
| COVID-19 Education Stabilization Fund | 84.425F | Direct | — | 24,614,591 |
| COVID-19 Education Stabilization Fund | 84.425L | Direct | — | 201,452 |
| Subtotal 84.425 | | | — | 36,514,774 |
| Total Department of Education | | | — | 40,108,092 |
| Department of Justice: | | | | |
| Lackawanna County | 16.838 | 1001 | — | 9,136 |
| Wyoming County | 16.838 | 1001 | — | 11,209 |
| York County | 16.838 | 1001 | — | 8,216 |
| Subtotal 16.838 | | | — | 28,561 |
| Total Department of Justice | | | — | 28,561 |
| Department of Labor: | | | | |
| WIOA Dislocated Worker National Reserve Demonstration Grants | 17.280 | Direct | — | 91,638 |
| Total Department of Labor | | | — | 91,638 |
| Department of Treasury: | | | | |
| Low Income Taxpayer Clinics | 21.008 | Direct | — | 83,798 |
| Total Department of Treasury | | | — | 83,798 |
| Department of Veterans Affairs: | | | | |
| VA Grants for Adaptive Sports Programs for Disabled Veterans and Disabled Members of the Armed Forces | 64.034 | Direct | — | 70,995 |
| Department of Veterans Affairs | 64.UNK | Direct | — | 324,386 |
| Total Department of Veterans Affairs | | | — | 395,381 |
| Institute of Museum and Library Services: | | | | |
| Children's Museum of Pittsburgh | 45.301 | 057992794 | — | 37,461 |
| Pennsylvania School Librarians Association | 45.310 | 003 | — | 12,249 |
| Total Institute of Museum and Library Services | | | — | 49,710 |

**UNIVERSITY OF PITTSBURGH OF THE
COMMONWEALTH SYSTEM OF HIGHER EDUCATION**

Schedule of Expenditures of Federal Awards

Year ended June 30, 2021

| Federal Grantor/Pass Through Grantor/Program Title | Federal Assistance Listing Number (ALN) | Direct Award or pass-through entity identifying number | Passed through to subrecipients | Federal expenditures |
|---|--|---|--|-----------------------------|
| National Endowment for the Humanities: | | | | |
| Heinz History Center | 45.149 | PITT-AWD00003333 | \$ — | 8,618 |
| Promotion of the Humanities Teaching and Learning Resources and Learning Resources and Curriculum Development | 45.162 | Direct | — | 24,935 |
| Total National Endowment for the Humanities | | | — | 33,553 |
| Nuclear Regulatory Commission: | | | | |
| U.S. Nuclear Regulatory Commission Scholarship and Fellowship Program | 77.008 | Direct | — | 34,718 |
| Total Nuclear Regulatory Commission | | | — | 34,718 |
| Small Business Administration: | | | | |
| Kutztown University | 59.037 | SBA20200214 | — | 114,261 |
| COVID-19 Kutztown University | 59.037 | SBACARES20200512 | — | 484,526 |
| Subtotal 59.037 | | | — | 598,787 |
| Total Small Business Administration | | | — | 598,787 |
| Total Other Agencies | | | 35,959 | 41,786,694 |
| Total Other Programs | | | 840,061 | 75,442,618 |
| Grand Total - Federal Awards and Grants | | | \$ 99,337,319 | 1,079,684,270 |

See accompanying notes to schedule of expenditures of federal awards.

**UNIVERSITY OF PITTSBURGH – OF THE
COMMONWEALTH SYSTEM OF HIGHER EDUCATION**

Notes to Schedule of Expenditures of Federal Awards

Year ended June 30, 2021

(1) Basis of Presentation and Significant Accounting Policies

The accompanying schedule of expenditures of federal awards (the Schedule) includes all grants, contracts, and similar agreements of the University of Pittsburgh – Of the Commonwealth System of Higher Education (the University), which has been financed by the U.S. federal government for the year ended June 30, 2021. The federal award information is presented in accordance with the requirements of Title 2 *U.S. Code of Federal Regulations Part 200, Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance).

For the purposes of the Schedule, federal awards have been classified in two types:

- Direct federal awards, and
- Pass through funds received from nonfederal organizations made under federally sponsored programs conducted by those organizations.

The Schedule also presents expenditures passed through from the University to other nonfederal subrecipient organizations. Since the Schedule presents only a selected portion of the activities of the University, it is not intended to and does not present either the financial position, changes in net assets, or cash flows of the University. The Schedule is prepared on the accrual basis of accounting. Negative expenditures detailed in the Schedule result from current year adjustments to prior year award amounts.

Expenditures for federal awards (excluding student financial assistance) are determined using cost accounting principles and procedures set forth in OMB Circular A-21, Cost Principles for Educational Institutions, and the uniform administrative requirements as set forth in OMB Circular A-110, *Uniform Administrative Requirements for Grants and Agreements with Institutions of Higher Education, Hospitals, and Other Non-Profit Organizations* or the administrative and cost principles contained in the Uniform Guidance, as applicable. Under these costs principles and administrative requirements, certain expenditures are not allowable or are limited as to reimbursement.

Expenditures for student financial assistance are recognized as incurred and include the federal share of students' Federal Supplemental Educational Opportunity Grants program and Federal Work-Study program earnings, Pell grants, loan disbursements and administrative cost allowances, where applicable.

(2) Reimbursement of Facilities and Administrative Costs

Sponsored grants and contracts normally provide for the recovery of direct and facilities and administrative costs (F&A costs). Recovery of the related F&A costs is generally recorded at predetermined rates negotiated with the federal government. Entitlement to these resources for the recovery of the applicable direct and related F&A costs is generally conditioned upon compliance with the terms and conditions of the grant agreements and applicable federal regulations, including the expenditure of the resources for eligible purposes. Substantially all grants and the University's F&A cost rate are subject to financial and compliance reviews and audits by the grantors. In management's opinion, the likelihood of an adverse material outcome upon the University's financial position from those reviews and audits is remote. On May 13, 2020, the Department of Health and Human Services approved F&A cost recovery rates effective from July 1, 2019 through June 30, 2023. The University has elected not to use the 10-percent de minimis indirect cost rate as allowed under the Uniform Guidance.

**UNIVERSITY OF PITTSBURGH – OF THE
COMMONWEALTH SYSTEM OF HIGHER EDUCATION**

Notes to Schedule of Expenditures of Federal Awards

Year ended June 30, 2021

(3) Federal Loan Programs

The University administers the following federal loan programs with an outstanding loan balance at June 30, 2021:

| Federal Grant and Program Title | ALN | Outstanding loan balance |
|---|------------|-------------------------------------|
| Department of Education – Federal Perkins Loan Program | 84.038 | \$ 12,104,118 |
| Department of Health and Human Services – Public Service: | | |
| Health Professions Student Loan Program: | | |
| Medicine | 93.342 | \$ 84,989 |
| Dentistry | 93.342 | 4,885,289 |
| Pharmacy | 93.342 | 1,384,994 |
| Nursing Student Loan Program – Baccalaureate | 93.364 | 1,488,855 |
| Nursing Faculty Loan Program: | | |
| Nursing Faculty Loan ARRA | 93.408 | 44,256 |
| Nursing Faculty Loan | 93.264 | 507,805 |
| Disadvantaged Student Loan Program: | | |
| Medicine | 93.342 | 72,709 |
| Dentistry | 93.342 | 73,656 |

The Perkins and Department of Health and Human Services Public Service Loan Programs are administered directly by the University, and balances and transactions relating to these programs are included in the University's consolidated financial statements. The amounts included in the Schedule of Expenditures under the Perkins and Department of Health and Human Services Public Service Loan Programs include the balance of the respective loan program as of June 30, 2020 and new loans issued during fiscal 2021.

(4) Department of Education Loan Programs

The University is responsible only for the performance of certain administrative duties with respect to the Direct Loans; accordingly, these loans are not included in the University's consolidated financial statements and it is not practical to determine the balance of loans outstanding to students and former students of the University under these programs.

(5) Student Financial Assistance Program

For the year ended June 30, 2021, administrative costs on the Student Financial Assistance Program were claimed under the Federal Work Study Program in the amount of \$207,347.

**UNIVERSITY OF PITTSBURGH – OF THE
COMMONWEALTH SYSTEM OF HIGHER EDUCATION**

Notes to Schedule of Expenditures of Federal Awards

Year ended June 30, 2021

(6) Vendor Relationships

The Special Education Program (ALN 84.027) constitutes a vendor relationship with the University in accordance with Uniform Guidance. This project is being excluded from the Schedule, although it represents federal funds of \$515,538 for the year ended June 30, 2021.



KPMG LLP
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Pittsburgh, PA 15219-2598

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

The Board of Trustees
The University of Pittsburgh – Of the Commonwealth
System of Higher Education:

We have audited, in accordance with the auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States, the consolidated financial statements of The University of Pittsburgh – Of the Commonwealth System of Higher Education (the University), which comprise the consolidated balance sheet as of June 30, 2021, the related consolidated statements of activities and cash flows for the year then ended, and the related notes to the consolidated financial statements, and have issued our report thereon dated October 14, 2021.

Internal Control Over Financial Reporting

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

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

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

Compliance and Other Matters

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

**Purpose of this Report**

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the University's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the University's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

KPMG LLP

Pittsburgh, Pennsylvania
October 14, 2021



KPMG LLP
BNY Mellon Center
Suite 3400
500 Grant Street
Pittsburgh, PA 15219-2598

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

The Board of Trustees of the
University of Pittsburgh – Of the Commonwealth
System of Higher Education:

Report on Compliance for Each Major Federal Program

We have audited the University of Pittsburgh – Of the Commonwealth System of Higher Education's (the University) compliance with the types of compliance requirements described in the *OMB Compliance Supplement* that could have a direct and material effect on each of the University's major federal programs for the year ended June 30, 2021. The University's major federal programs are identified in the summary of auditors' results section of the accompanying schedule of findings and questioned costs.

Management's Responsibility

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

Auditors' Responsibility

Our responsibility is to express an opinion on compliance for each of 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 the audit requirements of Title 2 U.S. Code of Federal Regulations Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance). Those standards and the Uniform Guidance require that we plan and perform the audit to obtain reasonable assurance about whether noncompliance with the types of compliance requirements referred to above that could have a direct and material effect on a major federal program occurred. An audit includes examining, on a test basis, evidence about 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.

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 June 30, 2021.

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 the Uniform Guidance, but not for the purpose of expressing an opinion on the effectiveness of internal control over compliance. Accordingly, we do not express an opinion on the effectiveness of 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 a combination of deficiencies, in internal control over compliance, such that there is a reasonable possibility that material noncompliance with a type of compliance requirement of a federal program will not be prevented, or detected and corrected, on a timely basis. A significant deficiency in internal control over compliance is a deficiency, or a combination of deficiencies, in internal control over compliance with a type of compliance requirement of a federal program that is less severe than a material weakness in internal control over compliance, yet important enough to merit attention by those charged with governance.

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

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

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

We have audited the consolidated financial statements of the University as of and for the year ended June 30, 2021, and have issued our report thereon dated October 14, 2021, which contained an unmodified opinion on those consolidated financial statements. Our audit was conducted for the purpose of forming an opinion on the consolidated financial statements as a whole. The accompanying schedule of expenditures of federal awards is presented for purposes of additional analysis as required by the Uniform Guidance and is not a required part of the consolidated financial statements. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the consolidated financial statements. The information has been subjected to the auditing procedures applied in the audit of the consolidated financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the consolidated financial statements or to the consolidated financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the schedule of expenditures of federal awards is fairly stated in all material respects in relation to the consolidated financial statements as a whole.

KPMG LLP

Pittsburgh, Pennsylvania
September 26, 2022

**UNIVERSITY OF PITTSBURGH – OF THE
COMMONWEALTH SYSTEM OF HIGHER EDUCATION**

Schedule of Findings and Questioned Costs

Year ended June 30, 2021

(1) Summary of Auditors' Results

- (a) Type of report issued on whether the consolidated financial statements were prepared in accordance with generally accepted accounting principles: **Unmodified**
- (b) Internal control deficiencies over financial reporting disclosed by the audit of the consolidated financial statements:
 - Material weaknesses: **No**
 - Significant deficiencies: **None reported**
- (c) Noncompliance material to the financial statements: **No**
- (d) Internal control deficiencies over major programs disclosed by the audit:
 - Material weaknesses: **No**
 - Significant deficiencies: **None reported**
- (e) Type of report issued on compliance for major programs: **Unmodified**
- (f) Audit findings that are required to be reported in accordance with 2 CFR 200.516(a): **No**
- (g) Major programs:
 - Student Financial Assistance Cluster – various ALNs
 - Education Stabilization Fund – ALN 84.425 (C, E, F, L)
- (h) Dollar threshold used to distinguish between Type A and Type B programs: **\$3,239,053**
- (i) Auditee qualified as a low-risk auditee: **Yes**

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

None

(3) Findings and Questioned Costs Relating to Federal Awards

None